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ENTERED

JUL 06 2011

REPLY TO
ATTENTION OF

Directorate of Public Works

JUL 2011

Mr. John Kieling, Acting Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

SUBJECT: Revised RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area (SWMU 162)

Dear Mr. Kieling,

Enclosed for review is the report submittal titled: *Revised RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area SWMU 162(CCWS-04) White Sands Missile Range, New Mexico, June 2011.*

The revised report was prepared in response to the New Mexico Environment Department (NMED) Notice of Disapproval dated January 11, 2011 (HWB-WSMR-10-002) and addresses NMED's comments contained in that letter.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Should you have any questions regarding this matter, please contact Mr. Benito Avalos of our Environmental Compliance Branch at (575) 678-2225.

I am forwarding this letter with enclosure (1 print copy w/CD) to Ms. Shannon Duran, NMED-HWB; and without enclosure to Mr. Dave Cobrain, NMED-HWB; Mr. Chuck Hendrickson, EPA Region VI; Ms. Laurie Rodriguez, ARACDIS-US, Inc.

Sincerely,

Thomas A. Ladd
Director, Public Works

Enclosure

REPORT DOCUMENTATION PAGE

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14. ABSTRACT
This Revised RFI Report describes activities conducted to characterize environmental conditions at the Stallion Range Center (SRC) Former Firefighter Training Area (FFTA), listed as SWMU 162 in the WSMR Permit. This document is a revision to the original RFI Report dated August 2010 and submitted to the NMED on August 19, 2010. This report addresses comments from the NMED contained in a January 11, 2011 notice of deficiency letter. This report describes soil sampling activities that characterize conditions in the former FFTA and also discusses excavation and soil removal activities that were conducted in early 2011. Findings discussed in the report demonstrate that the site meets the requirements for corrective action complete and requests concurrence from the NMED that the RFI requirements have been met and the site is eligible for Corrective Action Complete.

15. SUBJECT TERMS
SWMU 162, CCWS-04, FFTA, SRC, RFI, RCRA, Corrective Action Complete, investigation, soil, groundwater, DRO, arsenic

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
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Revised RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area

SWMU 162 (CCWS-04)

Original: August 2010

Revised: June 2011

ARCADIS

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Project Manager

Richard W. Collins
Project Director

Revised RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area

SWMU 162 (CCWS-04)

Prepared for:
U.S. Army, White Sands Missile Range
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Date:
Original: August 2010
Revised: June 2011

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Executive Summary **A**

List of Acronyms **i**

1. Introduction **1**

2. Background Information **4**

2.1 Site Operational History 4

2.2 Regulatory History 4

2.3 Surface Conditions (Topography) 5

2.4 Geology 5

2.5 Hydrogeology 6

2.6 Climate 7

3. Scope of Activities **7**

3.1 Field Activities 7

3.1.1 Utility Clearance 7

3.1.2 Soil Borings and Field Screening Procedures, 2010 7

3.1.3 Exploratory Trenches 9

3.1.4 Decontamination Procedures 11

3.1.5 Field Quality Control Samples 11

3.1.6 Sampling Handling and Shipping 12

3.1.7 Analytical Tests Requested 12

3.1.8 Abandonment of Borings 14

3.1.9 Waste Handling 14

3.1.10 Survey 15

3.2 Data Evaluation 16

3.2.1 Regulatory Criteria 16

3.2.2 Data Quality Evaluation 17

3.2.3 Statistical Evaluation to Determine Background Metals Values 17

4. Investigation Results **18**

4.1 Subsurface Conditions 18

4.2 Soil Sampling Field Screening Results 18

4.3 Soil Sampling Analytical Results 19

4.3.1 TPH Analytical Results 19

4.3.2. VOC Analytical Results 20

4.3.3 PAH Analytical Results 20

4.3.4 Metals Analytical Results 21

4.3.5 Waste Characterization Analytical Results 22

5. Conclusions 22

6. Recommendations 23

7. References 23

Tables

Table 1 Soil Sample Locations and Depth Intervals

Table 2 Summary of Soil Sample Analytical Results

Table 3 Summary of Waste Characterization Sample Analytical Results

Figures

Figure 1 Site Location Map

Figure 2 Site Layout Map

Figure 3 Nearby Well Locations

Figure 4 Boring Locations (revised)

Figure 5 Excavation Area

Figure 6 TPH-DRO Concentrations in Soils (revised)

Figure 7 PAH Concentrations in Soils (revised)

Figure 8 Metals Concentrations in Soils (revised)

Figure 9 Results of Soils Confirmation Samples

Appendices

A GPR Report

B Boring Logs

C Data Validation Reports and Laboratory Analytical Reports

D Clean Backfill Documentation

E Waste Disposal Records

F Survey Data

G Statistical Evaluation and Background Data

Executive Summary

This Revised Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report was written on behalf of White Sands Missile Range (WSMR) pursuant to requirements of WSMR's Hazardous Waste Permit Number NM2750211235 (Permit) dated December 2009. This RFI Report describes activities conducted to characterize soil and groundwater conditions at the Stallion Range Center (SRC) Former Firefighter Training Area (FFTA), listed as Solid Waste Management Unit (SWMU) 162 in the Permit, and also known as Compliance Cleanup Waste Site (CCWS)-04. The former FFTA is located on the southern side of the SRC and was the location of firefighter training activities before the late 1980s; however, the exact dates of use of the area are unknown.

A chronology of the RFI activities at the SRC FFTA is as follows:

- September 2009 – *RCRA Facility Investigation Work Plan for the WSMR Stallion Range Center Former Firefighter Training Area CCWS-04, SWMU 162, dated September 9, 2009*, was submitted to the New Mexico Environment Department (NMED) (ARCADIS, 2009).

- December 19, 2009 – WSMR provided NMED notice that the RFI field work would begin at risk, prior to receiving approval of the September 2009 RFI Work Plan.

- January 20-21, 2010 – The initial field RFI activities were conducted and included collecting soil samples from eight investigation borings (SB-001 through SB-008) and three background borings (BG-001 through BG-003). The investigation samples were tested for total petroleum hydrocarbons (TPH) gasoline range organics (GRO), TPH diesel range organics (DRO), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), and the background samples were analyzed for RCRA 8 metals.

- January 25, 2010 – NMED issued a *Notice of Disapproval RCRA Facility Investigation Work Plan for the Stallion Range Center Former Fire Fighter Training Area CCWS-04, SWMU 162* (Bearzi, 2010). This NOD required submittal of a revised Work Plan by May 21, 2010.

- April 8, 2010 – Additional soil sampling was conducted to delineate soil impacts noted during the initial field investigation conducted in January 2010. Soil samples were collected from two additional soil borings (SB-009 and SB-0010).

- May 13, 2010 – WSMR submitted a request to the NMED for a 90-day extension of the May 21, 2010 submittal date to August 21, 2010 and indicated that the submittal would be a RFI Report rather than a revised Work Plan since field work had been completed.

- June 4, 2010 – NMED granted approval for the extension to August 30, 2010 and required that the submittal be a RFI Report rather than a revised RFI Work Plan and that the Report address issues from the January 25, 2010 NOD.

- August 2010 – WSMR submitted the *RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area (SWMU 162)* to address the NMED's comments from the January 25, 2010 NOD and to summarize the field activities conducted during the RFI (ARCADIS, 2010).

- January 11, 2011 – NMED issued a *Notice of Disapproval RCRA Facility Investigation Report for the Stallion Range Center Former Fire Fighter Training Area (SWMU 162)*. In this letter, the NMED requested submittal of a Work Plan by August 31, 2011 for additional investigation of debris in one area noted in the Ground Penetrating Radar (GPR) report included in the appendix to the August 2010 RFI Report.

- March 2011 – In response to the NMED's request for additional investigation, trenching was performed in the area of soil impacts and possible subsurface debris noted during the RFI activities in January and April 2010. Trenching revealed that the extent of contamination and debris was limited and provided delineation of these impacts. Therefore, WSMR opted to remove affected soils and debris that were encountered during the trenching activities. Confirmation soil sampling and waste characterization was conducted as part of the removal action.

The purpose of this report is to provide a comprehensive summary of the RFI activities conducted to-date and to address the NMED's comments from the January 11, 2011 NOD letter. The RFI activities included the following specific tasks.

- Collection of soil samples to characterize subsurface conditions and complete lateral and vertical delineation of potentially affected soils to the NMED residential soil screening levels (SSLs).
- Collection of background soil samples to establish site-specific background values for metals.
- Evaluation to determine whether subsurface soil impacts could potentially affect the underlying groundwater.
- Screening of potential risks to various receptors following the NMED SSL Guidance and the NMED TPH Guidance documents.
- Removal of affected soils.

During the initial phase of the RFI, soil samples were collected from three background locations (BG-001 through BG-003) located outside the FFTA and eight boring locations (SB-001 through SB-008) within the former FFTA on January 20 and 21, 2010. Soil samples were collected from four depth intervals from each background and investigation boring. Investigation samples were analyzed for TPH GRO, TPH DRO, VOCs, PAHs, and RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), and soil samples from the background borings were analyzed for RCRA 8 metals.

Soil samples were collected from two additional borings (SB-009 and SB-010) within the former FFTA on April 8, 2010 to provide additional delineation of TPH DRO detected during the initial investigation in January. The lateral extent of the TPH DRO detections was successfully delineated by these two additional borings.

The only constituents that exceeded the NMED residential SSLs in soil samples from the January and April 2010 sampling events were arsenic and TPH DRO. Arsenic exceeded the residential SSL in only one sample, SB-006 0.5-1 ft. The lateral and vertical extent of this exceedance was delineated. Arsenic was detected in all soil samples, including background samples, and all of the detections exceeded the NMED DAF 20 SSL. However, with the exception of the soil sample from SB-006 0.5 – 1ft, all of the arsenic concentrations were below the site-specific background value calculated for arsenic (95% Upper Tolerance Limit (UTL) of 3.0 mg/Kg). TPH DRO concentrations exceeded the NMED residential SSL in the 0.5-1, 4-5 and 8-9 ft samples from SB-006. The horizontal and vertical extents of these exceedances were delineated. TPH DRO

were detected in only three other samples (SB-004 0.5-1 ft, SB-008 0.5-1 ft, and SB-010 0.5-1ft) at concentrations below the residential SSL.

No VOCs or PAHs were detected above residential SSLs or DAF 20 criteria. None of the metals, with the exception of arsenic, were detected above their respective residential SSLs or DAF 20 criteria.

The data were reviewed to evaluate the potential for cross-media contamination from soil to groundwater. This evaluation consisted of comparing the data to published DAF 20 values, while considering other site-specific conditions including depth of contamination, depth to groundwater, and surface water infiltration conditions. With the exception of arsenic, no constituents were detected in the soils at concentrations exceeding the DAF 20 values. While arsenic concentrations in all of the soil samples exceeded the DAF 20 values, only two samples (the 0.5 – 1ft samples from Borings SB-002 and SB-006) exceeded the site-specific background value (95% UTL) of 3.0 mg/kg calculated for arsenic. All of the other soil samples, including deeper samples from Borings SB-002 and SB-006, were below the site-specific background value of 3.0 mg/kg. Based on the very shallow exceedances of DAF 20 relative to the very deep occurrence of groundwater at approximately 190 feet, there is little or no risk that the arsenic in the shallow soils represents a threat to the groundwater. This is further supported by the fact that surface water infiltration depths in the area are negligible due to very high evapotranspiration rates. The evapotranspiration extinction depth (maximum depth at which evapotranspiration occurs) near Holloman Air Force Base was estimated to be around 15 ft bgs (Burns and Hart, 1988). Finally, arsenic is not a constituent associated with the former FFTA activities and is documented as a naturally occurring metal throughout this region (Welch et al, 1988).

The original RFI Report included a Human Health Risk Assessment (HHRA) and an Ecological Risk Assessment (ERA) to address potential risks associated with the constituents detected in soils at the SRC FFTA. However, based upon the January 11, 2011 comments from the NMED additional investigation in the form of exploratory trenching was performed in March 2011 near sample location SB-006, where DRO and arsenic were reported above the SSLs and where potential debris was identified by the GPR used for utility clearance. Because the affected area appeared to be very limited in extent, excavation was performed to remove the affected soils. A small area of affected soils approximately 8 feet wide by 16 feet long was removed. Excavation depths ranged from 2 to 10 ft bgs. A small amount of debris including ash, cardboard, plastic, wood, pieces of railroad ties and a small section of pipe was encountered and was removed along with stained soil that had a slight hydrocarbon odor. The total

volume of soil and debris removed from the area was approximately 60 cubic yards. The waste material was disposed of off-site at a non-hazardous waste landfill.

Confirmation soil samples were collected from the floor of the excavation and from all four side walls of the excavation. The confirmation samples were analyzed for the constituents of concern, including DRO, arsenic, lead, and polycyclic aromatic hydrocarbons (PAHs). Results of the confirmation samples indicated that affected soils were successfully removed to below the residential SSLs. The excavation was backfilled with clean soil and graded to match the surrounding area. Because the affected soils were removed, a HHRA and ERA were no longer warranted and discussions regarding the risk assessments have been removed from this Revised RFI Report.

The RFI for the former FFTA was successfully completed and meets the requirements specified in the Permit. No further investigation is recommended. Corrective action has been completed and the Site meets the requirements for Corrective Action Complete.

Table ES-1 – White Sands Missile Range Response to New Mexico Environment Department Comments

Comment No.	NMED Comments	WSMR Response	Section/Page Reference
1	In Section 5 (Conclusions), page 21, first sub-bullet, the Permittee states "TPH DRO [Total petroleum hydrocarbons – diesel range organics] was present above the Residential SSL in the samples collected from boring SB-006 in the 0.5 to 1 ft bgs, 4 to 5 ft bgs, and 8 to 9 ft bgs intervals." The Permittee provides no further discussion about these exceedances. The Permittee states further, in Section 5, page 21, second bullet, that "[t]he only constituent detected at concentrations above the DAF 20 value was arsenic." Given that there is no DAF 20 value for DRO, the Permittee cannot discount the exceedances of DRO at the SB-006 location based on this observation.	The exceedances of DRO at location SB-006 were discussed in the conclusions and were not discounted. The samples from this location were also analyzed for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) and the results of those analyses were compared to the DAF20 SSLs. There were no detected VOCs or SVOCs at concentrations exceeding the individual compound DAF20 SSLs.	Section 4.3.1 p. 19 Section 5, p. 22
	Also, the Ground Penetrating Radar (GPR) reports indicate that debris was present in the subsurface at this particular location, and therefore could be a potential source of contamination. The Permittee must submit a work plan that includes further investigation of the debris such that all contamination present at concentrations greater than screening levels is removed [see Table 2a in *NMED Total Petroleum Hydrocarbon (TPH) Screening Guidelines (10-2006)]*.	Further investigation of the area surrounding SB-006 was performed and small amounts of trash and debris, in addition to soil,were removed from the shallow subsurface. Excavation continued until no impacts were evident through screening by visual or olfactory observations, or by using a photoionization detector (PID). Confirmation soil samples were collected from the bottom and side walls of the excavation. A description of the investigation, excavation, material removed, and results of the confirmation samples is provided in this Revised Report.	Section 3.1.3, p.9 Table 2, Figure 5

Table ES-1 – White Sands Missile Range Response to New Mexico Environment Department Comments

Comment No.	NMED Comments	WSMR Response	Section/Page Reference
2	In Section 5 (Conclusions), page 21, second bullet, the Permittee states "[b]ased on the very shallow exceedances of DAF 20 and UTL relative to the very deep occurrence of groundwater at approximately 190 feet, there is little or no risk that the arsenic in the shallow soils represents a threat to the groundwater." This additional contaminant exceedances may be related to the debris at this location indicated by the GPR report. Further investigation must therefore be conducted at this location. The Permittee must propose to remove the sources of contamination in the work plan in order for the site to qualify for a corrective action complete determination (see Comment 1).	This section has been revised to reflect the results of the additional investigation (i.e., exploratory trenching) and soil removal. See second half of response to Comment 1.	Section 5, p. 22 Section 3.1.3, p. 9, Table 2, Figure 5
3	In Section 4.4 (Statistical Evaluation Results), third paragraph, the Permittee states that "...reported concentrations for arsenic, barium, cadmium and lead in sample SB-006 (0.5-1) and lead in sample SB-005 (4-5) were considered to be outliers and were removed from UCL data sets, consistent with USEPA guidance, as described in Appendix F." The intent of the EPA guidance is not to allow localized "hot spots" containing contaminants at concentrations greater than cleanup levels to be overlooked. Address the exceedances at location SB-006 and the associated debris shown in GPR report. Other exceedances at this location shall not be considered outliers (see Comments 1 and 2).	References to UCLs have been removed from this report. Aside from establishing UTLs based on background soil data, statistial evaluations of the investigation data were eliminated from this report and the data were compared directly to the published SSLs, the DAF20 values and in the case of metals, the calculated UTLs. The report has been revised to reflect these changes. Exceedances at SB-006 were addressed by the soil removal action. See second half of response to Comment 1.	Section 3.2.3, p. 17, Appendix G

Table ES-1 – White Sands Missile Range Response to New Mexico Environment Department Comments

Comment No.	NMED Comments	WSMR Response	Section/Page Reference
4	In Appendix F (Statistical Evaluations), page 4, fourth paragraph, the Permittee states that, "Table 3 shows that the UCL for each metal is less than the UTL." This is not true for arsenic and lead in the 0.5 to 1 ft bgs categories. Revise the language in Appendix F of the Report to reflect this. This same table (Table 4 of the main Report) is addressed correctly in Section 4.4 (Statistical Evaluation Results).	As described in the response to Comment No. 3, references to UCLs have been removed from the report.	Section 3.2.3, p. 17, Appendix G
5	In Table 2 (Summary of Soil Sample Analytical Results) of the Report, the Permittee reports that chrysene was detected in SB-001 at the 4-5 foot depth interval at a concentration of 0.0153 mg/kg. Chrysene is a polycyclic aromatic hydrocarbon (PAH), and so this datum must be included on Figure 6 (PAH Concentrations in Soils). Revise Figure 6 to include this datum, and revise the Report accordingly.	Figure 7 now depicts the PAH analytical results. This reported concentration of chrysene has been included on Figure 7 and in the discussion of results in the Revised Report.	Figure 7 Section 4.3.3, p. 20

Table ES-1 – White Sands Missile Range Response to New Mexico Environment Department Comments

Comment No.	NMED Comments	WSMR Response	Section/Page Reference
6	In Table 4 (Statistical Evaluation Results) of the Report, the Permittee presents the upper confidence limits for several groups of data: for the entire data set, data from samples obtained from 0.5 to 1.0 feet below ground surface (bgs), and sample data from soils below four feet bgs. a. Soil samples were collected to a depth of 15 feet bgs. Clarify whether the "whole data set" UCL is representative of all these data or whether it is reflective only of data from zero to ten feet bgs.	a. As described in the response to Comment No. 3, references to UCLs have been removed from the report. Table 4 has been removed from the report..	Section 3.2.3, p. 17, Appendix G
6 (cont.)	b. It is not clear what the UCL for data below four feet bgs was intended to be used for, since it does not represent any exposure interval used in risk assessments.	b. As described in the response to Comment No. 3, references to UCLs have been removed from the report.	Section 3.2.3, p. 17, Appendix G
6 (cont.)	c. There does not appear to be an UCL for the construction worker and residential receptors from zero to 10 feet bgs.	c. As described in the response to Comment No. 3, references to UCLs have been removed from the report.	Appendix G
6 (cont.)	d. No input/output files from ProUCL were provided with the report to allow verification of these data. Include these data in the revised report.	d. In response to the NMED's comments, affected soils were excavated and removed from the site. Therefore, the risk assessments have been removed from the report.	Appendix G

Table ES-1 – White Sands Missile Range Response to New Mexico Environment Department Comments

Comment No.	NMED Comments	WSMR Response	Section/Page Reference
7	The general layout of the document makes it difficult to complete a thorough review. For example, page numbers are missing that should correspond to pages cited in the Table of Contents. Consider leaving out non-detect data in summary tables in future submittals, and double-siding document pages to reduce the size of the document. No revision is required. Apply the summary table requirements listed in Appendix 7, section 7.3.12 (Tables) of the Permit to future submittals.	The report follows the general outline specified for an investigation report as per Appendix 7 of the Permit. A printing error occurred that caused some page numbers to be omitted in the final hard copy of the Report. This error has been corrected in the Revised Report. For completeness, non-detect data will continue to be included in summary tables. The Revised Report has been produced as a double-sided document.	Revised Report
8	A risk assessment is not appropriate if the site contains only limited areas of contamination (hot spots) that are easily accessible for removal or other types of remediation. Remove Appendix E (Risk Assessment Reports) from the Report and propose to remove the contaminated soils (see Comments 1 and 2).	WSMR respectfully requests clarification from the NMED as to what regulatory basis it is using todetermine when a risk assessment may or may not be applied. . However, during excavation of exporatory trenches, a decision was made to remove affected soils and debris near SB-006. Therefore, a risk assessment is no longer warranted and the report has been revised to reflect this change.	Executive Summary, Section 3.1.3 p.9, Section 4.3, p 19 Section 5, p 22
Comments Specific to Appendix E (Risk Assessment Reports)			
Comments 9 through 22		No response is made to the specific comments regarding the Risk Assessment Reports submitted as Appendix F to the Report. This Appendix has been removed as discussed in the response to Comment No. 8.	Revised Report Executive Summary, Section 3.1.3 p.9, Section 4.3, p 19 Section 5, p 22

List of Acronyms

amsl	Above Mean Sea Level
CCWS	Compliance Cleanup Waste Site
COPC	Constituent of Potential Concern
DAF	Dilution Attenuation Factor
DoD	Department of Defense
DQO	Data quality objectives
DRO	Diesel range organics
ELAP	Environmental Laboratory Accreditation Program
ERA	Ecological Risk Assessment
°F	Degrees Farenheit
FFTA	Former Firefighter Training Area
ft	Feet
ft bgs	Feet Below Ground Surface
FY	Fiscal year
GPR	Ground Penetrating Radar
GRO	Gasoline range organics
HHRA	Human Health Risk Assessment
IDW	Investigation derived waste
mg/kg	milligrams/kilogram
NELAC	National Environmental Laboratory Accreditation Conference
NMED	New Mexico Environment Department
NOD	Notice of Disapproval
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
PID	Photoionization detector
QA	Quality Assurance
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RSL	Regional Screening Levels
SRC	Stallion Range Center

SSL	Soil screening levels
SVOC	Semi-volatile organic compounds
SWMU	Solid Waste Management Unit
TCLP	Toxicity characteristic leaching procedure
TPH	Total Petroleum Hydrocarbon
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit
VOC	Volatile organic compounds
WMC	Waste Management center
WSMR	White Sands Missile Range

1. Introduction

This Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report was written on behalf of White Sands Missile Range (WSMR) pursuant to requirements of WSMR's Hazardous Waste Permit Number NM2750211235 (Permit) dated December 2009. This RFI Report describes activities conducted to characterize soil and groundwater conditions at the Stallion Range Center (SRC) Former Firefighter Training Area (FFTA), listed as Solid Waste Management Unit (SWMU) 162 in the Permit, and also known as Compliance Cleanup Waste Site (CCWS)-04. The former FFTA is located on the southern side of the SRC and was the location of firefighter training activities before the late 1980s; however, the exact dates of use of the area are unknown. The location of the FFTA within the SRC is shown on Figure 1.

According to the Fiscal Year (FY) 2008 Compliance-Related Cleanup Installation Action Plan (USAEC, 2008) the Site was cleaned up in the late 1980s. An area of soil approximately 50 feet (ft) by 100 ft by 4 ft deep was excavated, aerated in the sun, and used as clean fill for the Stallion Range Landfill. No record of a written report documenting this cleanup has been discovered, and no records are available indicating that previous investigations have occurred at this Site.

A chronology of the RFI activities at the SRC FFTA is as follows:

- September 2009 – *RCRA Facility Investigation Work Plan for the WSMR Stallion Range Center Former Firefighter Training Area CCWS-04, SWMU 162, dated September 9, 2009*, was submitted to the New Mexico Environment Department (NMED) (ARCADIS, 2009).

- December 19, 2009 – WSMR provided NMED notice that the RFI field work would begin at risk, prior to receiving approval of the September 2009 RFI Work Plan.

- January 20-21, 2010 – The initial field RFI activities were conducted and included collecting soil samples from eight investigation borings (SB-001 through SB-008) and three background borings (BG-001 through BG-003). The investigation samples were tested for total petroleum hydrocarbons (TPH) gasoline range organics (GRO), TPH diesel range organics (DRO), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), and the background samples were analyzed for RCRA 8 metals.

- January 25, 2010 – NMED issued a *Notice of Disapproval RCRA Facility Investigation Work Plan for the Stallion Range Center Former Fire Fighter Training Area CCWS-04, SWMU 162* (Bearzi, 2010). This NOD required submittal of a revised Work Plan by May 21, 2010.

- April 8, 2010 – Additional soil sampling was conducted to delineate soil impacts noted during the initial field investigation conducted in January 2010. Soil samples were collected from two additional soil borings (SB-009 and SB-0010).

- May 13, 2010 – WSMR submitted a request to the NMED for a 90-day extension of the May 21, 2010 submittal date to August 21, 2010 and indicated that the submittal would be a RFI Report rather than a revised Work Plan since field work had been completed.

- June 4, 2010 – NMED granted approval for the extension to August 30, 2010 and required that the submittal be a RFI Report rather than a revised RFI Work Plan and that the Report address issues from the January 25, 2010 NOD.

- August 2010 – WSMR submitted the *RCRA Facility Investigation Report for the Stallion Range Center Former Firefighter Training Area (SWMU 162)* to address the NMED's comments from the January 25, 2010 NOD and to summarize the field activities conducted during the RFI (ARCADIS, 2010).

- January 11, 2011 – NMED issued a *Notice of Disapproval RCRA Facility Investigation Report for the Stallion Range Center Former Fire Fighter Training Area (SWMU 162)*. In this letter, the NMED requested submittal of a Work Plan by August 31, 2011 for additional investigation of debris in one area noted in the Ground Penetrating Radar (GPR) report included in the appendix to the August 2010 RFI Report.

- March 2011 – In response to the NMED's request for additional investigation, trenching was performed in the area of soil impacts and possible subsurface debris noted during the RFI activities in January and April 2010. Trenching revealed that the extent of contamination and debris was limited and provided delineation of these impacts. Therefore, WSMR opted to remove affected soils and debris that were encountered during the trenching activities. Confirmation soil sampling and waste characterization was conducted as part of the removal action.

The purpose of this report is to provide a comprehensive summary of the RFI activities conducted to-date and to address the NMED's comments from the January 11, 2011 Notice of Disapproval (NOD) letter. The RFI activities included the following specific tasks.

The primary objectives of the initial RFI activities conducted in January and April 2010, as stated in the September 2009 RFI Work Plan, were: 1) to determine whether the training activities resulted in a release to the surrounding soils or groundwater; 2) to characterize the nature and extent of affected soils and/or groundwater; and 3) to evaluate potential risks through exposure to affected media. The work conducted included the following specific tasks.

- Collection of soil samples to characterize subsurface conditions and complete lateral and vertical delineation of potentially affected soils to the NMED residential soil screening levels (SSLs).
- Collection of background soil samples to establish site-specific background values for metals.
- Evaluation to determine whether subsurface soil impacts could potentially affect the underlying groundwater.
- Screening of potential risks to various receptors following the NMED SSL Guidance and the NMED TPH Guidance documents.
- Removal of affected soils.

The original RFI Report included a Human Health Risk Assessment (HHRA) and an Ecological Risk Assessment (ERA) to address potential risks associated with the constituents detected in soils at the SRC FFTA. However, based upon the January 11, 2011 comments from the NMED (Bearzi, 2011), additional investigation in the form of exploratory trenching was performed in March 2011 near sample location SB-006, where DRO and arsenic were reported above the SSLs and where potential debris was identified by the GPR used for utility clearance. Because the affected area appeared to be very limited in extent, excavation was performed to remove the affected soils. A small area of affected soils and debris approximately 8 feet wide by 16 feet long was removed. Excavation depths ranged from 2 to 10 ft bgs. Results of confirmation samples collected from the excavation indicated that remaining soils met the residential SSLs. Therefore, risk assessment was no longer warranted for the Site

and discussions of the risk assessment have been removed from this Revised RFI Report.

2. Background Information

The RFI activities are described in more detail in the following sections.

2.1 Site Operational History

The Site is located at the SRC in Socorro County, New Mexico, along the northwestern border of WSMR, approximately 118 miles north of the Main Post and 17 miles southeast of San Antonio, New Mexico. The SRC operates as a technical support center for the monitoring and evaluation of long range missile tests.

The FFTA is located south of the SRC and was in use prior to the late 1980s. Based on interviews with WSMR personnel conducted in February 2009, the FFTA consisted of an area approximately 200 feet (ft) by 50 ft adjacent to a dirt road where firefighter training occurred. Firefighter training activities included setting small controlled fires so that the firefighters could practice putting them out. Typically, a flammable liquid was used to start the fires and depending on the facility, may have included diesel and/or gasoline. No structures were present at the FFTA and no further details regarding the training activities were available. WSMR personnel familiar with the area did not know when activities first began at the FFTA. However, personnel stated that no activity has occurred at the FFTA since the late 1980s.

The approximate boundaries and site features of the FFTA are shown in Figure 2. The location was determined based on interviews with WSMR personnel and confirmed through visual inspection of the area based on differences in the vegetation within the FFTA compared to the surrounding areas.

2.2 Regulatory History

According to the FY 2008 Compliance-Related Cleanup Installation Action Plan (USAEC, 2008) the Site was cleaned up in the late 1980s. An area of soil approximately 50 ft by 100 ft by 4 ft deep was excavated, aerated in the sun, and used as clean fill for the SRC Landfill. No record of a written report documenting this cleanup has been discovered, and no records are available indicating that previous investigations have occurred at this Site. Five monitoring wells are present nearby, in the vicinity of the SRC sewage lagoons and desalinization pond (Figure 3). These

wells are sampled regularly as part of the Groundwater and Effluent Sampling Wastewater Discharge Program associated with the SRC. Data from these wells was included in the RFI Work Plan for the SRC FFTA (ARCADIS, 2009).

2.3 Surface Conditions (Topography)

WSMR lies within the Mexican Highland Section of the Basin and Range Province. This province is characterized by a series of tilted fault blocks forming longitudinal, asymmetric ridges, or mountains, and broad intervening basins.

The SRC lies in the Jornada del Muerto Basin, approximately 4,900 ft above mean sea level (amsl). The Jornada del Muerto Basin, east of the Rio Grande Valley, covers approximately 3,344 square miles and at its widest is nearly 12 miles across. It is bordered by Point of Rocks and the Caballo Mountains to the west, the Dona Ana, San Diego, and Tortugas Mountains to the southwest, and the Organ and San Andreas Mountains to the east. This eastern boundary is a single, steeply-dipping normal fault; the western boundary of the Jornada del Muerto Basin is a semi-buried volcanic horst, known as the Jornada Horst (Woodward and Myers, 1997).

Very little surface water exists at WSMR due to low annual precipitation, high evapotranspiration rates, and high infiltration characteristics of the soils. During the summer season, when thunderstorm activity is most common, playas within the basin may contain standing water. Recharge into the Jornada del Muerto Basin comes from precipitation and infiltration of mountain runoff and through major arroyos. Arroyos which drain the surrounding mountains usually contain water only following heavy precipitation events.

The nearest arroyo is located to the north of the FFTA, as seen in Figure 2.

2.4 Geology

The Jornada del Muerto Basin shares a subsurface Tertiary volcanic boundary with the Mesilla Basin. There is no evidence that the Rio Grande has ever flowed across the Jornada del Muerto Basin.

The dominant basin landforms comprise an extensive remnant of the ancestral Rio Grande fluvial plain (Plio-Pleistocene La Mesa geomorphic surface), and broad alluvial-fan-piedmont surfaces flanking the San Andres Range and Doña Ana Mountains (Gile et al. 1981, 1995; Gile 2002; Seager et al. 1987). The isolated Goat Mountain and

Tortugas Mountain "hills" to the south of the Doña Anas (eastern Las Cruces metro-area) are the sole surface expression of the discontinuous bedrock high that separates the Mesilla and Jornada Del Muerto structural basins. The FFTA is located in the Rio Grande rift tectonic province, which is characterized by north-south trending series deep structural basins between tilted-fault-block ranges and volcanic highlands. This major continental rift zone extends through central New Mexico from southern Colorado to Trans-Pecos Texas and northern Chihuahua (Chapin and Seager 1975; Hawley 1978; Chapin and Cather 1994).

2.5 Hydrogeology

The primary aquifer systems of the Rio Grande rift region are comprised of: 1) thin Upper Quaternary fluvial deposits of the inner Rio Grande Valley (valley-fill aquifer system); and 2) the thick sedimentary fill of intermontane basins (basin-fill aquifer system). The Upper Cenozoic Santa Fe Group forms the bulk of the latter unit. The hydrogeologic framework is formed by: 1) the lithofacies and stratigraphic subdivisions of these two aquifer systems; and 2) associated rift – basin and range structures. This framework has a profound influence on groundwater and surface water flow and quality in the entire region. Valley- and basin-fill aquifer systems are locally linked with respect to both surface and subsurface flow (Bryan 1938; King et al. 1971; Wilson et al. 1984; Nickerson and Myers 1993; Hawley and Kernodle 2000; Hawley et al. 2001).

The SRC obtains its potable water supply from two supply wells, SRC-02 and SRC-03 (Figure 3) located approximately 0.5 mile northwest and approximately 0.8 north, respectively, of the SRC FFTA. The wells draw brackish water from Quaternary/Tertiary alluvial and upper bolson-fill deposits within the Jornada del Muerto Basin. The brackish water is processed through a desalinization plant prior to distribution. The majority of the groundwater recharge to this bolson aquifer occurs through the coarse, unconsolidated Tertiary/Quaternary alluvial fan deposits and arroyos along the eastern flank of the Organ, San Agustin and San Andres Mountains.

There are five monitoring wells (SRM-01 through SRM-05) completed in the regional aquifer in the vicinity of the SRC and located approximately 400 to 1200 ft northeast of the SRC FFTA in the vicinity of the sewage lagoons and desalinization pond (Figure 3).. The depths of these wells average 299 feet below ground surface (ft bgs) and the average depth to water in these wells is approximately 191 ft bgs (WTS, 2007). The wells are sampled annually as part of the Groundwater and Effluent Sampling Wastewater Discharge Program associated with the SRC.

2.6 Climate

Snowfall is infrequent at the SRC, although heavy snows have occurred. With an average annual rainfall of only 10.8 inches, mostly occurring during late summer as thunderstorms often accompanied by hail, the area is considered semi-arid. Intense localized thunderstorms have caused flash flooding in the past. The average summer high temperature is 92 °F with lows of about 65 °F. During the winter months (December, January and February), the average high is 57 °F, with lows of about 36 °F. Average annual humidity readings are approximately 37 percent. Westerly winds can reach approximately 40 miles per hour, and wind is a climatic factor from February to about May.

3. Scope of Activities

Activities performed to complete the field sample collection effort and data evaluation are described in this Section.

3.1 Field Activities

3.1.1 Utility Clearance

Zia Engineering and Environmental Consultants (Zia) performed a utility clearance of the FFTA prior to initiation of field activities. Zia marked the proposed boring locations at the FFTA with wooden stakes and obtained WSMR clearance for the proposed soil sampling locations. WSMR personnel marked the location of a fiber optic line that parallels the dirt roadway.

GPR was used to field verify the locations of underground utilities at the FFTA. Soil boring locations were adjusted, as necessary, to avoid anomalies identified by the GPR. The actual locations of the borings are shown in Figure 4 and a copy of the GPR report is provided in Appendix A.

3.1.2 Soil Borings and Field Screening Procedures, 2010

Soil samples were collected and screened following the general guidance of Sections 5.2.2.b and 5.2.2.d of Appendix 5 of the Permit. Soil samples were collected from three background boring locations (BG-001 through BG-003) and eight boring locations within the FFTA (SB-001 through SB-008) on January 20, 2010. The background soil sample locations were selected in unimpacted areas located in the primarily upwind

direction from the FFTA. The eight borings located within the FFTA were spaced at approximately equal distances throughout the FFTA in an approximate grid pattern. Soil samples were collected from two additional borings (SB-009 and SB-010) within the FFTA on April 8, 2010, to provide additional delineation of Total Petroleum Hydrocarbon (TPH) Diesel Range Organics (DRO) concentrations detected in samples from SB-006 in January.

During the January sampling event, soil samples were collected using both a hand auger and a hollow stem auger drill rig. A hand auger was used to collect the surface soil sample and remove the upper 3 feet of soil at each location to verify that no utility lines or debris were located in the vicinity of the borings. Soil was observed for lithology and for visual or olfactory indications of the potential presence of hydrocarbons every 6 inches throughout the upper 3 feet of soil. When visual or olfactory indications of hydrocarbons were present, or at pre-determined intervals, soil was collected from the bottom of the auger at the cutting blades for PID (photoionization detector) screening or for laboratory sample collection. Information from the upper 3 feet of soil was recorded on the boring logs in Appendix B.

Beneath the hand-augered portion of each boring, soil samples were collected by advancing 5-foot long core barrels ahead of the hollow stem augers. Soil cores were collected continuously to the total depth drilled at each location. The soil cores were examined visually and described according to the Unified Soil Classification System (USCS), ASTM Standard D 2487-83 (ASTM, 1985). A copy of the USCS chart summarizing the classification system is provided in Appendix B. The sampling tools used, depth of soil core, amount of soil recovered, soil classification, and other visual observations were recorded on a lithologic boring log for each sampling location. The boring logs are provided in Appendix B. The drilling and sample collection procedures were supervised by a qualified geologist.

Field screening was performed on each of the soil cores collected from the borings using a PID. The PID used was a MultiRAE Plus Monitor with a 10.6 electron Volt (eV) lamp, with a detection range of 0 to 2000 parts per million (ppm) and a 0.1 ppm resolution. The PID was calibrated daily using the "fresh air calibration", which zeroes the unit, followed by a single sensor calibration for VOCs using 100 ppm isobutylene. Aliquots of soil from each soil core were placed into glass sample jars and covered with aluminum foil, and then the jars were placed in the cab of the truck and allowed to equilibrate for approximately 10 minutes. The heater in the truck was set to run on high to warm the samples. After a period of approximately 10 minutes, the foil on the top of the jar was pierced with the probe portion of a photoionization detector (PID) and the

highest PID measurement from each aliquot of soil was recorded on the boring logs, along with the depth from which the aliquot was obtained. The air temperature within the truck cab at the time each of PID reading was measured using a handheld digital thermometer and recorded on the boring log.

Soil samples were collected from a separate aliquot of the soil core than that used to record headspace readings with the PID. Each aliquot of soil was placed into laboratory provided sample jars. The jars were labeled with the location, depth interval, date, time and requested analyses. Samples were then placed into a cooler with ice for later shipment to the laboratory.

Soil samples were planned to be collected from each boring at depths of 0.5 to 1 feet, 4 to 5 feet, 9 to 10 feet and 14 to 15 feet, unless field observations (such as elevated PID readings) indicated that a different interval should be sampled. Actual depths of samples collected are shown in Table 1 and are also indicated on the boring logs in Appendix B.

During the April 2010 sampling event, soil samples were collected using a hand auger. The borings were advanced to the maximum depth that could be done with the hand auger, approximately 13 to 13.5 ft bgs and a soil sample was collected at the bottom of each boring. The soil borings were advanced with the hand auger in approximately 1 foot increments. The soil was inspected and observations recorded on boring logs. The sample intervals for the April 2010 borings are shown in Table 1. The same procedures were followed for field screening of volatiles in headspace and the same information was recorded on the boring logs.

3.1.3 Exploratory Trenches

In March 2011, exploratory trenches were dug in the vicinity of boring location SB-006 using a John Deere 310E backhoe with front end loader attachment. The purpose of these trenches was to investigate the potential debris identified by the GPR during initial utility clearance prior to installation of soil borings in order to address comments in the January 2011 letter from the NMED (Bearzi, 2011).

The first two exploratory trenches were located approximately 10 feet south and approximately 10 feet west of location SB-006. As shown in Figure 5, each of these trenches was approximately 10 feet long and 3 feet wide. The trenches extended to a total depth of 6 ft bgs. No stained soil, debris or odors were noted in these two

trenches and the soil appeared to be native to the area, with no prior disturbance. Both of these trenches were backfilled with the excavated soil.

The third exploratory trench was centered on the location SB-006. Debris was encountered between 0.5 and 1 ft bgs and included plastic trash, a section of pipe, cardboard and an oil filter. Grout from the 2010 soil sampling effort was also encountered. The excavation centered on SB-006 was approximately 5 feet by 5 feet and was approximately 10 feet deep. Based on field observations of discolored soil and odors, the excavation was extended approximately 6 feet to the north, 3 feet to the east and 5 feet to the south. The depths of the excavation in the extended areas ranged from 2 feet to 8 feet deep, as shown in Figure 5. In each area, the excavation was extended until no further discoloration of soil was encountered.

Approximately 60 cubic yards of impacted soil and debris were removed from the exploratory trench centered on SB-006 and shipped off-site as non-hazardous waste, as discussed in Section 3.1.9.

Confirmation soil samples were collected from the floor of the excavation in two locations: near SB-006 (STRC-0162-BASE-10.0) and near the northern side wall in the center of the excavation extension to the north (STRC-0162-N-2.0). Side wall samples were collected from the east (STRC-0162-ESW-7.0), south (STRC-0162-SSW-7.0), west (STRC-0162-WSW-7.0) and north (STRC-0162-NSW-7.0) side walls, at the locations depicted on Figure 5. The confirmation samples were collected by having the backhoe operator obtain a bucket of soil from the desired location within the excavation. A stainless steel spoon was then used to collect soil from various locations within the bucket. The soil was mixed in a stainless steel bowl to create a composite sample. The soil was then placed directly into glass jars, labeled and placed into coolers with ice. Samples were shipped via overnight courier to the laboratory for analysis, as described in Section 3.1.5.

The stainless steel spoon and bowl were washed in water with water and a laboratory-grade detergent solution and a brush, rinsed with clean potable water and rinsed again with distilled water.

The excavation surrounding SB-006 was backfilled using clean soil obtained from Rhino Environmental. Documentation of the source of the clean soil is provided in Appendix D.

3.1.4 Decontamination Procedures

All field equipment, including hand augers, core barrels, sampling utensils and other non-disposable equipment was decontaminated between each sample and each location, and in accordance with Section 5.2.3 of Appendix 5 of the Permit. The flight augers were decontaminated prior to use at each sampling location. Decontamination of large equipment, such as the flight augers, other down-hole equipment, and the backhoe bucket was performed using a high-pressure washer to wash off the equipment over a portable stock tank. Wash water collected in the stock tank was allowed to evaporate in order to minimize waste requiring disposal. Decontamination of smaller equipment, such as the hand augers and knives, included washing the equipment with a solution of potable water and laboratory-grade detergent, scrubbing with a brush, rinsing with potable water, rinsing with distilled water, then allowed to air dry. Any soil that collected in the bottom of the stock tank was placed into the waste soil container, as discussed in Section 3.1.9. The decontamination procedures used during the RFI were consistent with the Standard Practices for Decontamination of Field Equipment Used at Non-Radioactive Waste Sites (ASTM 05088-02).

The liquids generated were collected in a 5-gallon open-top bucket and allowed to evaporate in order to minimize the waste generated. Decontamination water that did not evaporate was collected and stored in a closed-top 55-gallon drum, labeled and disposed of as discussed in Section 3.1.9.

3.1.5 Field Quality Control Samples

Field quality control (QC) samples were collected according to the Work Plan to evaluate the data quality, except that field duplicates were collected at a frequency of 10 percent pursuant to Comment 8 in the NMED's NOD letter of January 25, 2010 (Bearzi, 2010). The field QC samples were collected in accordance with Section 5.2.2e of Appendix 5 of the Permit. A total of two equipment rinsate blanks, one field blank, five trip blanks, and five field duplicate samples were collected during the January and April 2010 sampling events.

The equipment rinsate blanks were collected by pouring distilled water over a piece of previously decontaminated sampling equipment (such as the hand auger) and catching the rinsate in a laboratory container. Specifically, equipment blank STRC-0162-RB-001-0110 was collected from the core barrel prior to starting drilling at location SB-003 and equipment blank STRC-0162-RB-001-0410 was collected from the hand auger

after the 4.5 to 5.0 ft sample was collected at Boring SB-009. The equipment rinsate blanks were analyzed for the same parameters as the primary soil samples.

The field blank was collected by pouring distilled water directly into sample containers, while working at the Site. The field blank is intended to detect any airborne constituents that might affect sampling results. The field blank was analyzed for the same parameters as the primary soil samples.

One trip blank was included with each laboratory cooler that included VOC samples. The trip blanks were analyzed for the same VOCs parameters as the primary samples.

Field duplicates were obtained by collecting an aliquot of soil from the same portion of the soil core as a parent sample. Each soil sample was a discrete sample and no field compositing of soil was performed prior to collection of the field duplicate samples. The field duplicate samples were analyzed for the same parameters as the parent sample.

3.1.6 Sampling Handling and Shipping

Sample handling procedures were in general accordance with Section 5.2.2.j and 5.2.6.b of Appendix 5 of the Permit. Samples were handled with new disposable gloves that were replaced prior to use with each sample. After each sample was placed into the appropriate container and labeled, it was placed into a cooler with ice. The ice was double-bagged using plastic zipper bags. Each sample was recorded on a chain-of-custody form with the requested analyses for that sample.

All of the soil samples collected from the soil borings within the FFTA were submitted to the laboratory under proper chain-of-custody. The chain-of-custody form was sealed inside the cooler prior to shipment to the laboratory. A copy of the chain-of-custody forms is provided in Appendix C. Shipping containers were sealed with a custody seal, and then shipped to the laboratory via overnight courier. None of the custody seals had been broken upon receipt at the laboratory. Copies of the container custody seals and the shipping labels are included in the analytical laboratory reports in Appendix C.

3.1.7 Analytical Tests Requested

The samples were submitted to DHL Analytical of Austin Texas, a laboratory accredited by the National Environmental Laboratory Accreditation Conference (NELAC) and Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP).

Samples collected from the investigation area during the initial mobilization in January (Borings SB-001 through SB-008) were analyzed for the following:

- TPH gasoline range organics (GRO) by United States Environmental Protection Agency (USEPA) Method 8015 Modified;
- TPH DRO by USEPA Method 8015 Modified;
- Volatile organic compounds (VOCs) by USEPA Method 8260B;
- Polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270C; and
- RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) by USEPA Methods 6020 and 7471A.

Samples collected from the investigation area in April (Borings SB-009 through SB-010) were intended to delineate TPH DRO detected during the initial mobilization and were only tested for TPH DRO.

Samples from the background borings located outside the FFTA Borings BG-001 through BG-003) were analyzed for the following:

- RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) by USEPA Methods 6020 and 7471A.

Confirmatory soil samples collected from the excavations in 2011 were analyzed for the following:

- TPH DRO by USEPA Method 8015 Modified;
- PAHs by USEPA Method 8270C; and
- RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) by USEPA Methods 6020 and 7471A.

The confirmatory soil samples were not analyzed for VOCs because with the exception of three very low, estimated detections of acetone, VOCs were not detected in any of

the soil samples collected during the 2010 RFI activities. The estimated acetone concentrations were well below SSLs and DAF 20 values.

3.1.8 Abandonment of Borings

Boring abandonment was performed in general accordance with Section 6.4 of Appendix 6 of the Permit. The boreholes drilled in January 2010 were plugged with a grout mixture composed of two bags of type III Portland cement, ½ bag of bentonite gel, and 30 gallons of potable water. Grout was placed into the boring using a tremie pipe set at the bottom of the borehole to ensure adequate plugging of each hole.

The two borings advanced using hand augers in April 2010 were backfilled with bentonite chips and then hydrated.

3.1.9 Waste Handling

All wastes generated during the investigation described in this report were handled in general accordance with Section 5.2.2.b.iv of Appendix 5 of the Permit.

Miscellaneous trash (drinking water bottles, shipping boxes, paper trash, etc.) that did not come into contact with soil or decontamination equipment was containerized and disposed of as solid waste.

Investigation derived waste (IDW) generated during the sampling events included soil cuttings, decontamination fluids, disposable gloves, plastic sheeting, aluminum foil, and other materials that came into contact with either the soil or decontamination equipment and liquids. IDW solids generated during the January 2010 event were placed into a one-cubic yard pallet box, while decontamination liquids were placed into a 55-gallon closed-top drum. The IDW generated during the April 2010 event were placed into a 55-gallon open-top drum. Each container was labeled with the date, contents and point of contact information and left at the FFTA for later transportation to the WSMR Waste Management center (WMC).

To supplement the data collected from the borings and provide additional waste characterization data, two soil samples collected during the January 2010 sampling event (SB-001-(0.5-1.0) and SB-001-(9.0-10.0)) were analyzed for the full SVOC list by USEPA Method 8270C and for ignitability by Method 1010. The analytical data were provided to the WMC, who characterized the waste as D008. This characterization was based on the maximum reported total concentration of lead in the soil samples. The

pallet box of soil and drum of water generated during the January 2010 event were transported to the WSMR WMC on January 28, 2010 and were disposed of off-site as hazardous waste on April 28, 2010.

A separate composite sample of the IDW solids was collected during the April 2010 sampling event and this sample was submitted to the laboratory under a separate chain-of-custody for waste characterization analyses. The composite sample was collected by obtaining three aliquots of soil from the drum using a clean stainless steel auger. The aliquots were obtained from near the top of the drum, near the center of the drum and near the bottom of the drum. The three aliquots of soil were placed in a clean stainless steel bowl and mixed with a clean trowel to composite the soil. Because no VOCs were present in the previous samples, compositing the soil sample for waste characterization was deemed appropriate. The drum of IDW generated during the April 2010 event was transported to the WMC on April 13, 2010. The laboratory report for the composite waste characterization sample was provided to WSMR personnel on May 18, 2010. According to subsequent communication with WMC personnel, the IDW was classified as non-regulated and was shipped off-site for disposal in July 2010.

In February 2011, an additional waste characterization sample was collected from near location SB-006 in anticipation of the exploratory trench work scheduled for March 2011. This sample was collected from 0.5 to 1 ft bgs and analyzed for toxicity characteristic leaching procedure (TCLP) lead, polychlorinated biphenyls (PCBs), and radioactivity because these analytical tests were required by the disposal company. The analytical report for this sample is provided in Appendix C. Based on the analytical data obtained from soil samples collected from SB-006 in 2010 and in 2011, the soil from this area was characterized as non-hazardous.

Approximately 60 cubic yards of soil and debris were removed from the excavations centered on SB-006. This soil was shipped off-site for disposal as non-hazardous waste. A copy of the waste disposal records is provided in Appendix E.

3.1.10 Survey

In accordance with Section 5.2.2.f of Appendix 5 of the Permit, following completion of the 2010 field efforts, the physical coordinates and ground surface elevation were measured at each boring. The borings advanced in January 2010 were surveyed on February 12, 2010. The borings advanced in April 2010 were surveyed on April 30, 2010.

All of the locations were surveyed in relation to a control point. Northing and easting data were measured to the nearest 0.001 meter and elevation was measured to the nearest 0.001 foot. A copy of the survey data is provided in Appendix F.

During the 2011 excavation activities, the locations of the trenches were referenced to SB-006 and the dimensions of the excavations were measured manually in the field.

3.2 Data Evaluation

3.2.1 Regulatory Criteria

Data developed during the RFI were evaluated according to the NMED risk-based soil screening guidance document *Technical Background Document for Development of Soil Screening Levels Revision 5.0* (NMED, 2009). SSLs are presented in Table A-1 of that document (SSG Table A-1) for various exposure scenarios.

Additional screening values were obtained from the combined USEPA Regional Screening Levels (RSLs), found on the USEPA website, which is located on the internet at http://www.epa.gov/region09/superfund/prg/index.html. The RSL summary table includes soil screening values for both Residential Soil and for Industrial Soil.

The SSLs and RSLs apply only to the upper 10 feet of soil. Soil between 0 and 10 ft bgs and were screened according to the following hierarchy:

- Data were compared to the residential SSL established by the NMED;
- If no NMED SSL exists for a constituent, the data were compared to the EPA RSLs;
- For metals, data were also compared to the background UTLs (described in Appendix G). The resultant screening criterion for metals in the upper 10 feet of soil was the greater of either the NMED SSL/EPA RSL or the UTL (in all cases the NMED SSLs were higher than the UTLs); and
- Data were also screened against the DAF 20 values established by NMED.

The NMED guidance document for evaluation of TPH (NMED, 2006) provides several screening levels for TPH, depending on the source of the petroleum product. Because the exact nature of the fuels used at the FFTA is unknown, the SSL for unknown oil

was used for evaluation of TPH DRO. No screening level is provided for TPH GRO in the NMED guidance document. However, as described in Section 3.1.6, the samples were also tested for VOCs and SVOCs, constituents that would generally constitute the TPH GRO.

The Site is located within the SRC of WSMR and access to the Site is limited to personnel approved to enter the area. Although this would imply that an industrial/occupational exposure would be appropriate, the residential SSLs were used in order to provide a conservative evaluation of potential impacts.

In addition to the residential SSLs, the SSL for protection of groundwater due to leaching was used to screen the samples. Because the samples showed no indication of saturation, depth to groundwater in the vicinity is greater than 190 ft bgs, and the source area is less than 0.5 acres, a dilution attenuation factor of 20 (DAF 20) was used to evaluate leaching potential.

3.2.2 Data Quality Evaluation

The primary data quality objectives (DQOs) for this investigation were to provide representative data usable to characterize site conditions, delineate the nature and extent of affected media (if present), and to support corrective action decisions as appropriate. Analytical data reports were reviewed and evaluated in accordance with Appendix 5 of the Permit and in accordance with applicable USEPA SW-846 Method requirements as described in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, October 1999), USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (USEPA, July 2002). The analytical data were validated using Level II QA/QC criteria. A copy of the analytical data reports and the data validation summary reports are provided in Appendix C. Samples that did not meet the project DQOs are discussed in the data validation reports in Appendix C. All data were deemed usable for the purposes of this evaluation.

3.2.3 Statistical Evaluation to Determine Background Metals Values

Statistical evaluations were performed on the soil data collected from the background borings. A background concentration for six of the RCRA metals was computed by constructing a tolerance interval that would contain 95% of the background concentrations with 95% confidence. The upper limit of this interval is called the "95-95 Upper Tolerance Interval" (UTL). UTLs were calculated for arsenic, barium, cadmium,

chromium, lead and selenium. UTLs for mercury and silver were not calculated because, with the exception of one estimated value detected below the sample quantitation limit for silver in sample SB-006 (0.5 – 1' below ground surface), these two metals were not detected in any of the investigation samples. All of the calculated UTLs were above the residential SSLs for these metals. Therefore, the investigation metals results were compared to the residential SSLs rather than the UTLs. However, as discussed in Section 4.3.4, the UTLs were above the DAF 20 value for arsenic. A summary of the development of the background UTLs is provided in Appendix G.

4. Investigation Results

Results of the field investigation and data evaluation activities are discussed in this Section.

4.1 Subsurface Conditions

The boring logs (Appendix B) indicate that the upper 15 feet of soils consist primarily of poorly graded sand with intervals of well-graded fine to medium sand throughout the area of the investigation. None of the borings extended more than 15 ft bgs.

As shown in the boring logs, the soils were dry throughout the depth of the investigation. As discussed in Section 2.5, the depth to groundwater in the area is approximately 190 ft bgs. No saturated soil was encountered during this investigation and would not be expected to be present.

The GPR used for utility clearance prior to the initiation of the investigation indicated the potential presence of debris near boring location SB-006. Exploratory trenches were excavated in the area and minor amounts of debris and stained soil were encountered at depths between 0 and 10 ft bgs. The debris and stained soil was removed as described in Section 3.1.8 and the excavation was backfilled with clean soil.

4.2 Soil Sampling Field Screening Results

The PID measurements collected during field screening are presented in the soil boring logs (Appendix B). The only soil sample that contained organic vapors as measured by the PID was from the 4 to 5 ft bgs interval at Boring SB-010. No measureable organic vapors were recorded from the samples collected from the remaining soil borings.

4.3 Soil Sampling Analytical Results

The analytical results for soil samples collected during the RFI are provided in Table 2. Analytical results for confirmation samples collected from the excavation near SB-006 are also provided in Table 2. Analytical laboratory reports are provided in Appendix C.

As described in Section 3.2.1, the reported concentrations from the soil samples were compared to the residential SSL and the DAF 20 SSL for each constituent, where available. As shown in Table 2, reported concentrations that exceed the residential SSL are highlighted in yellow while reported concentrations that exceed the DAF 20 SSL are shown in italics.

Figures 6 through 8 graphically depict concentrations reported for the constituents of concern for samples collected from the soil borings. Figure 9 graphically depicts the concentrations reported for the constituents of concern in the confirmation samples collected from the excavation.

4.3.1 TPH Analytical Results

TPH GRO was not detected in any of the soil samples, as shown in Table 2.

TPH DRO was detected in six samples: SB-004 (0.5-1), SB-006 (0.5-1), SB-006 (4-5), SB-006 (8-9), SB-008 (0.5-1), and SB-010 (0.5-1). Of these samples, concentrations of TPH DRO in samples SB-006 (0.5-1), SB-006 (4-5) and SB-006 (8-9) exceeded the residential SSL. Samples from surrounding borings (SB-001 through SB-005 and SB-007 through SB-010) provide lateral delineation of the TPH DRO. The sample collected from the 14 to 15 ft bgs interval from SB-006 did not contain detectable amounts of TPH DRO, providing vertical delineation of the TPH DRO. The distribution of TPH DRO concentrations in the soils is shown on Figure 6. The data are summarized in Table 2.

The soil from location SB-006 was excavated as part of the additional investigation that was performed based on NMED comments regarding the initial submittal of the RFI Report. The excavation centered on SB-006 extended to a depth of 10 ft bgs. Thus, the soil associated with samples SB-006 (0.5-1), SB-006 (4-5) and SB-006 (8-9) was removed and disposed of off-site as non-hazardous waste. The two bottom samples and one of the side wall samples (west side wall) contained detectable concentrations of DRO ranging from 14.2 to 31.8 mg/kg; however, these concentrations are well below the SSL of 200 mg/kg. The samples from the north, east and south side walls were

below the laboratory detection limits. The results and locations of the confirmation samples collected after affected soils were excavated are shown on Figure 9.

4.3.2 VOC Analytical Results

With the exception of three estimated detections (SB-001 9-10 ft, SB-006 14-15 ft, and SB007 9-10 ft) of acetone, no VOCs were detected at reportable concentrations in any of the soil samples collected and analyzed for VOCs. The concentrations of acetone reported are well below the NMED SSL and DAF 20 standard. Acetone is not a constituent of concern associated with this SWMU and is likely attributable to laboratory contamination.

4.3.3 PAH Analytical Results

The following PAH compounds were present at concentrations above the reporting limits in at least one sample, as follows:

- 2-Methylnaphthalene: SB-006 (0.5-1)
- Anthracene: SB-006 (0.5-1); SB-006 (4-5) ; SB-008 (0.5-1)
- Benzo(g,h,i)perylene: SB-006 (4-5); SB-008 (0.5-1)
- Chrysene: SB-001 (4-5)
- Fluoranthene: SB-006 (0.5-1)
- Phenanthrene: SB-006 (0.5-1)
- Pyrene: SB-006 (0.5-1); SB-006 (4-5)

All other PAH compounds were not present above their respective reporting limits in any of the samples collected. As shown in Table 2, none of the reported concentrations were above either the residential SSL or the DAF 20 SSL. The distribution of PAHs for the constituents shown above is shown on Figure 7.

The confirmation samples collected from the bottoms and side walls of the excavation centered on SB-006 were also analyzed for PAHs. No PAHs were detected in these samples, as shown in Table 2.

4.3.4 Metals Analytical Results

Arsenic, barium, chromium, lead and selenium were detected in 44 of the soil samples. Cadmium was detected in 41 of the soil samples. Silver was detected in one of the soil samples. Mercury was not detected in any of the soil samples.

The reported concentrations of these metals ranged in value, as follows:

- Arsenic: 1.09 to 11.4 mg/kg
- Barium: 50.5 to 338 mg/kg
- Cadmium: 0.0966 to 0.491 mg/kg
- Chromium: 4.57 to 13.3 mg/kg
- Lead: 3.64 to 371 mg/kg
- Selenium: 0.825 to 2.53 mg/kg
- Silver: 0.132 mg/kg

As shown in Table 2, none of the reported concentrations for barium, cadmium, chromium, lead, selenium or silver exceeded the residential SSL and none of the reported concentrations of barium, cadmium, selenium or silver exceeded the DAF 20 SSL (there are no DAF 20 SSLs for chromium and lead). All of the reported concentrations of arsenic exceeded the DAF 20 SSL, but of these samples only two SB-002 (0.5 – 1) and SB-006 (0.5-1) also exceeded the UTL. Only one sample SB-006 (0.5 – 1) exceeded the residential SSL. The arsenic concentration in SB-002 (0.5 – 1) was 3.1, only slightly above the UTL of 3.0 and well below the SSL. The arsenic concentration in SB-006 (0.5 – 1) was 11.4. Samples from borings surrounding SB-006 (SB-001 through SB-005, SB-007 and SB-008) provide lateral delineation of the arsenic. Deeper samples from SB-006 provide vertical delineation of the arsenic. The distribution of metals concentrations are shown in Figure 8.

The soil containing arsenic above the SSL at SB-006 was excavated and disposed of off-site. The confirmation samples collected from the bottoms and side walls of the excavation centered on SB-006 were analyzed for arsenic and lead. Arsenic was analyzed because the concentration of arsenic in the sample collected from SB-006

(0.5-1) exceeded the SSL. Although the reported concentration for lead in the sample collected from SB-006 (0.5-1) was below the SSL, the concentration was sufficiently elevated that lead was also considered to pose a potential concern. As seen in Table 2, the arsenic and lead concentrations reported for all of the confirmation samples were below the residential SSLs. Arsenic concentrations exceeded the DAF 20 SSL, but were below the background UTL for arsenic; thus, these concentrations are considered to be representative of naturally occurring conditions and no further action is recommended.

4.3.5 Waste Characterization Analytical Results

Table 3 contains a summary of the waste characterization sample analytical results. The analytical data were provided to the WMC, as discussed in Section 3.1.9.

5. Conclusions

An RFI of the FFTA was performed to characterize subsurface conditions and evaluate whether historical operations resulted in impacts to soil and/or groundwater beneath the Site. The investigation was performed according to the requirements of the WSMR Permit. Soil samples were collected from ten borings within the FFTA as well as from three background locations. The analytical reports were reviewed and the data were determined to meet the data quality objectives.

The following conclusions are based on evaluation of the RFI data:

- Shallow soil impacts were identified within the FFTA, as follows:
  - TPH DRO was present above the residential SSL in the samples collected from Boring SB-006 in the 0.5 to 1 ft bgs, 4 to 5 ft bgs, and 8 to 9 ft bgs intervals.
  - Arsenic was present above the residential SSL in the sample collected from Boring SB-006 in the 0.5 to 1 ft bgs interval.
- The lateral and vertical extents of the shallow soil impacts were fully delineated.
- The affected soils and debris in the area around SB-006 were excavated and removed. Confirmation samples collected from the floor and side walls of the excavation indicated that the extent of the excavation was adequate to remove impacted soils from the area surrounding SB-006 and all remaining constituents of concern are below the residential SSLs.

- There is no evidence to suggest that groundwater at the Site has been impacted by activities at the SRC FFTA. The vertical extent of the impacted soils was fully delineated and there was no evidence of contamination below a depth of 10 ft bgs, while the depth to groundwater is approximately 190 feet bgs.

- There is no evidence to suggest that groundwater is threatened by the affected soils. With the exception of arsenic, no constituents were detected in the soils at concentrations exceeding the DAF 20 values. While arsenic concentrations in all of the soil samples exceeded the DAF 20 values, only two surface samples (the 0.5 – 1ft samples from Borings SB-002 and SB-006) exceeded the site-specific background UTL. All of the other soil samples, including deeper samples from Borings SB-002 and SB-006 were below the site-specific background value of 3.0 mg/kg. The arsenic concentration in the surface sample from SB-002 was only slightly above the UTL. The affected soils around SB-006 were excavated and removed from the Site.

6. Recommendations

The RFI for the FFTA was successfully completed and meets the RFI requirements described in the Permit. Corrective action has been completed and potentially impacted soil has been removed from the Site. No further investigation is recommended. WSMR requests concurrence from the NMED that the RFI is complete and that the Site is eligible for Corrective Action Complete with Controls.

7. References

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Table 1. Soil Sample Locations and Depth Intervals
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

Location	Sample Interval (ft bgs)
BG-001	0.5 - 1
BG-001	4 - 5
BG-001	9 - 10
BG-001	14 - 15
BG-002	0.5 - 1
BG-002	4 - 5
BG-002	9 - 10
BG-002	14 - 15
BG-003	0.5 - 1
BG-003	4 - 5
BG-003	9 - 10
BG-003	14 - 15
SB-001	0.5 - 1
SB-001	4 - 5
SB-001	9 - 10
SB-001	14 - 15
SB-002	0.5 - 1
SB-002	4 - 5
SB-002	9 - 10
SB-002	14 - 15
SB-003	0.5 - 1
SB-003	4 - 5
SB-003	9 - 10
SB-003	14 - 15
SB-004	0.5 - 1
SB-004	4 - 5
SB-004	9 - 10
SB-004	14 - 15
SB-005	0.5 - 1
SB-005	4 - 5
SB-005	9 - 10
SB-005	14 - 15

Location	Sample Interval (ft bgs)
SB-006	0.5 - 1
SB-006	4 - 5
SB-006	8 - 9
SB-006	14 - 15
SB-007	0.5 - 1
SB-007	4 - 5
SB-007	9 - 10
SB-007	14 - 15
SB-008	0.5 - 1
SB-008	4 - 5
SB-008	9 - 10
SB-008	14 - 15
SB-009	0.5 - 1
SB-009	4.5 - 5
SB-009	8.5 - 9
SB-009	12.5 - 13
SB-010	0.5 - 1
SB-010	4.5 - 5
SB-010	8.5 - 9
SB-010	13 - 13.5

Notes:
ft bgs = feet below ground surface

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.4	<9.99	<10.7
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.2	<0.197	<0.211
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.0053*	*<0.00492*	*<0.0049*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.0053*	*<0.00492*	*<0.0049*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.0053*	*<0.00492*	*<0.0049*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.0053*	*<0.00492*	*<0.0049*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0159	<0.0148	<0.0147
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0159	<0.0148	<0.0147
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.0053	<0.00492	<0.0049
2-Phenylbutane	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0159	<0.0148	<0.0147
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.053	<0.0492	0.0169 J
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0106*	*<0.00985*	*<0.0098*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.0053	<0.00492	<0.0049
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.0053	<0.00492	<0.0049

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.0053	<0.00492	<0.0049
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.0053	<0.00492	<0.0049
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.0053	<0.00492	<0.0049
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0159	<0.0148	<0.0147
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chlorobromomethane	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.0053	<0.00492	<0.0049
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.0053	<0.00492	<0.0049
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.0053	<0.00492	<0.0049
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Cymene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.0053	<0.00492	<0.0049
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.0053	<0.00492	<0.0049
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.0053	<0.00492	<0.0049
Iodomethane	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.0053	<0.00492	<0.0049
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.0053	<0.00492	<0.0049
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0159	<0.0148	<0.0147
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.0053	<0.00492	<0.0049
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.0053	<0.00492	<0.0049
n-Butylbenzene	- -	- -		mg/kg	<0.0053	<0.00492	<0.0049
n-Propylbenzene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.0053	<0.00492	<0.0049
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.0053	<0.00492	<0.0049
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.0053	<0.00492	<0.0049
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.0053	<0.00492	<0.0049
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.0053	<0.00492	<0.0049
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.0053	<0.00492	<0.0049
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0103	0.0153	<0.0107
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.0053	<0.00492	<0.0049
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.0053	<0.00492	<0.0049
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0103	<0.0101	<0.0107
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0103	<0.0101	<0.0107
Acenaphthylene	- -	- -	- -	mg/kg	<0.0103	<0.0101	<0.0107
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0103	<0.0101	<0.0107
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0103	<0.0101	<0.0107
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0103	<0.0101	<0.0107
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0103	<0.0101	<0.0107
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0103	<0.0101	<0.0107
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0103	<0.0101	<0.0107
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0103	<0.0101	<0.0107
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0103	<0.0101	<0.0107
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0103	<0.0101	<0.0107
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.0053	<0.00492	<0.0049
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0103	<0.0101	<0.0107
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.0053	<0.00492	<0.0049
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0159	<0.0148	<0.0147
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0103	<0.0101	<0.0107
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0103	<0.0101	<0.0107
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.71*	*2.36*	*2.49*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	216	140	113
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.324	0.135 J	0.164 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	11.4 J	9.39 J	11.7

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	9.69	5.77	7.11
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0473	<0.0463	<0.0497
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	2.17	1.58	1.88
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.212	<0.194	<0.205

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.2	<10.4	<9.87
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.209	<0.205	<0.193
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00471*	*<0.00524*	*<0.00479*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00471*	*<0.00524*	*<0.00479*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00471*	*<0.00524*	*<0.00479*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00471*	*<0.00524*	*<0.00479*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0141	<0.0157	<0.0144
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0141	<0.0157	<0.0144
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00471	<0.00524	<0.00479
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0141	<0.0157	<0.0144
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0471	<0.0524	<0.0479
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.00942*	*<0.0105*	*<0.00959*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00471	<0.00524	<0.00479
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00471	<0.00524	<0.00479

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00471	<0.00524	<0.00479
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00471	<0.00524	<0.00479
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00471	<0.00524	<0.00479
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0141	<0.0157	<0.0144
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00471	<0.00524	<0.00479
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00471	<0.00524	<0.00479
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00471	<0.00524	<0.00479
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Cymene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00471	<0.00524	<0.00479
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00471	<0.00524	<0.00479
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00471	<0.00524	<0.00479
Iodomethane	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00471	<0.00524	<0.00479
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00471	<0.00524	<0.00479
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0141	<0.0157	<0.0144
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00471	<0.00524	<0.00479
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00471	<0.00524	<0.00479
n-Butylbenzene	- -	- -		mg/kg	<0.00471	<0.00524	<0.00479
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00471	<0.00524	<0.00479
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00471	<0.00524	<0.00479
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00471	<0.00524	<0.00479
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00471	<0.00524	<0.00479
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00471	<0.00524	<0.00479
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00471	<0.00524	<0.00479
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0103	<0.0103	<0.0103
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00471	<0.00524	<0.00479
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00471	<0.00524	<0.00479
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0103	<0.0103	<0.0103
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0103	<0.0103	<0.0103
Acenaphthylene	- -	- -	- -	mg/kg	<0.0103	<0.0103	<0.0103
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0103	<0.0103	<0.0103
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0103	<0.0103	<0.0103
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0103	<0.0103	<0.0103
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0103	<0.0103	<0.0103
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0103	<0.0103	<0.0103
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0103	<0.0103	<0.0103
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0103	<0.0103	<0.0103
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0103	<0.0103	<0.0103
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0103	<0.0103	<0.0103
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00471	<0.00524	<0.00479
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0103	<0.0103	<0.0103
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00471	<0.00524	<0.00479
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0141	<0.0157	<0.0144
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0103	<0.0103	<0.0103
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0103	<0.0103	<0.0103
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.5*	*3.1*	*1.94*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	107	259	133
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.189 J	0.366	0.193 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	11.6	13.3	8.07

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	6.91	8.96	5.25
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0463	<0.0522	<0.0506
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.8	2.53	1.37
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.186	<0.211	<0.188

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.1	<9.65	<10.4
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.205	<0.196	<0.188
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00512*	*<0.00473*	*<0.00525*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00512*	*<0.00473*	*<0.00525*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00512*	*<0.00473*	*<0.00525*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00512*	*<0.00473*	*<0.00525*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0154	<0.0142	<0.0157
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0154	<0.0142	<0.0157
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00512	<0.00473	<0.00525
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0154	<0.0142	<0.0157
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0512	<0.0473	<0.0525
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0102*	*<0.00946*	*<0.0105*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00512	<0.00473	<0.00525
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00512	<0.00473	<0.00525

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00512	<0.00473	<0.00525
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00512	<0.00473	<0.00525
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00512	<0.00473	<0.00525
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0154	<0.0142	<0.0157
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00512	<0.00473	<0.00525
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00512	<0.00473	<0.00525
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00512	<0.00473	<0.00525
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Cymene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00512	<0.00473	<0.00525
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00512	<0.00473	<0.00525
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00512	<0.00473	<0.00525
Iodomethane	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00512	<0.00473	<0.00525
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00512	<0.00473	<0.00525
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0154	<0.0142	<0.0157
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00512	<0.00473	<0.00525
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00512	<0.00473	<0.00525
n-Butylbenzene	- -	- -		mg/kg	<0.00512	<0.00473	<0.00525
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00512	<0.00473	<0.00525
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00512	<0.00473	<0.00525
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00512	<0.00473	<0.00525
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00512	<0.00473	<0.00525
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00512	<0.00473	<0.00525
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00512	<0.00473	<0.00525
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0102	<0.00998	<0.0103
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00512	<0.00473	<0.00525
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00512	<0.00473	<0.00525
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0102	<0.00998	<0.0103
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0102	<0.00998	<0.0103
Acenaphthylene	- -	- -	- -	mg/kg	<0.0102	<0.00998	<0.0103
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0102	<0.00998	<0.0103
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0102	<0.00998	<0.0103
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0102	<0.00998	<0.0103
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0102	<0.00998	<0.0103
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0102	<0.00998	<0.0103
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0102	<0.00998	<0.0103
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0102	<0.00998	<0.0103
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0102	<0.00998	<0.0103
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0102	<0.00998	<0.0103
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00512	<0.00473	<0.00525
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0102	<0.00998	<0.0103
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00512	<0.00473	<0.00525
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0154	<0.0142	<0.0157
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0102	<0.00998	<0.0103
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0102	<0.00998	<0.0103
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.46*	*1.97*	*2.32*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	134	63.1	186
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.247 J	0.159 J	0.253 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	10.5	7.44	9.87

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	7.5	4.44	13.8
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0442	<0.0444	<0.0505
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	2.01	1.14	2.21
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.196	<0.192	<0.204

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.1	<10.3	<10.5
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.192	<0.195	<0.188
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.005	<0.00506	<0.00529
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.005	<0.00506	<0.00529
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.005*	*<0.00506*	*<0.00529*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.005	<0.00506	<0.00529
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.005	<0.00506	<0.00529
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.005	<0.00506	<0.00529
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.005*	*<0.00506*	*<0.00529*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.005*	*<0.00506*	*<0.00529*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.005*	*<0.00506*	*<0.00529*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.005	<0.00506	<0.00529
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.015	<0.0152	<0.0159
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.015	<0.0152	<0.0159
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.005	<0.00506	<0.00529
2-Phenylbutane	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.015	<0.0152	<0.0159
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.05	<0.0506	<0.0529
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.01*	*<0.0101*	*<0.0106*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.005	<0.00506	<0.00529
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.005	<0.00506	<0.00529

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.005	<0.00506	<0.00529
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.005	<0.00506	<0.00529
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.005	<0.00506	<0.00529
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.015	<0.0152	<0.0159
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.005	<0.00506	<0.00529
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.005	<0.00506	<0.00529
Chlorobromomethane	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.005	<0.00506	<0.00529
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.005	<0.00506	<0.00529
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.005	<0.00506	<0.00529
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.005	<0.00506	<0.00529
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.005	<0.00506	<0.00529
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Cymene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.005	<0.00506	<0.00529
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.005	<0.00506	<0.00529
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.005	<0.00506	<0.00529
Iodomethane	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.005	<0.00506	<0.00529
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.005	<0.00506	<0.00529
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.015	<0.0152	<0.0159
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.005	<0.00506	<0.00529
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.005	<0.00506	<0.00529
n-Butylbenzene	- -	- -		mg/kg	<0.005	<0.00506	<0.00529
n-Propylbenzene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.005	<0.00506	<0.00529
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.005	<0.00506	<0.00529
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.005	<0.00506	<0.00529
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.005	<0.00506	<0.00529
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.005	<0.00506	<0.00529
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.005	<0.00506	<0.00529
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.005	<0.00506	<0.00529
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.00978	<0.0103	<0.0106
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.005	<0.00506	<0.00529
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.005	<0.00506	<0.00529
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.00978	<0.0103	<0.0106
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.00978	<0.0103	<0.0106
Acenaphthylene	- -	- -	- -	mg/kg	<0.00978	<0.0103	<0.0106
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.00978	<0.0103	<0.0106
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.00978	<0.0103	<0.0106
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.00978	<0.0103	<0.0106
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.00978	<0.0103	<0.0106
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.00978	<0.0103	<0.0106
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.00978	<0.0103	<0.0106
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.00978	<0.0103	<0.0106
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.00978	<0.0103	<0.0106
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.00978	<0.0103	<0.0106
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.005	<0.00506	<0.00529
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.00978	<0.0103	<0.0106
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.005	<0.00506	<0.00529
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.015	<0.0152	<0.0159
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.00978	<0.0103	<0.0106
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.00978	<0.0103	<0.0106
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.2*	*2.14*	*1.99*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	91.5	113	96
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.156 J	0.158 J	0.173 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	4.57	9.7	9.6

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	4.78	5.8	4.89
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0506	<0.0511	<0.0479
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.47	1.61	1.38
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.172	<0.187	<0.187

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	7.58 J [<10.1]	<9.52	<9.78
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.2 [<0.206]	<0.199	<0.196
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00493 [<0.00528]*	*<0.00461*	*<0.00507*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00493 [<0.00528]*	*<0.00461*	*<0.00507*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00493 [<0.00528]*	*<0.00461*	*<0.00507*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00493 [<0.00528]*	*<0.00461*	*<0.00507*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0493 [<0.0528]	<0.0461	<0.0507
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.00986 [<0.0106]*	*<0.00923*	*<0.0101*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Cymene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Iodomethane	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
n-Butylbenzene	- -	- -		mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Acenaphthylene	- -	- -	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00493 [<0.00528]	<0.00461	<0.00507
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0148 [<0.0158]	<0.0138	<0.0152
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.00997 [<0.0106]	<0.00987	<0.00981
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.39 [2.37]*	*1.33*	*1.09*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	193 [194]	68.9	58.7
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.29 J [0.264 J]	0.113 J	0.0966 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	10.2 [10.5]	8.63	9.25

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	17.4 [7.92]	4.04	3.64
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0448 [<0.0475]	<0.0432	<0.0494
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	2 [2.14]	1.05	0.983
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.204 [<0.205]	<0.182	<0.182

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.4	<10.1	<9.58
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.187	<0.21	<0.196
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00515*	*<0.00517*	*<0.00508*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00515*	*<0.00517*	*<0.00508*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00515*	*<0.00517*	*<0.00508*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00515*	*<0.00517*	*<0.00508*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0154	<0.0155	<0.0153
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0154	<0.0155	<0.0153
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00515	<0.00517	<0.00508
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0154	<0.0155	<0.0153
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0515	<0.0517	<0.0508
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0103*	*<0.0103*	*<0.0102*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00515	<0.00517	<0.00508
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00515	<0.00517	<0.00508

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00515	<0.00517	<0.00508
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00515	<0.00517	<0.00508
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00515	<0.00517	<0.00508
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0154	<0.0155	<0.0153
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00515	<0.00517	<0.00508
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00515	<0.00517	<0.00508
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00515	<0.00517	<0.00508
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Cymene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00515	<0.00517	<0.00508
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00515	<0.00517	<0.00508
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00515	<0.00517	<0.00508
Iodomethane	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00515	<0.00517	<0.00508
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00515	<0.00517	<0.00508
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0154	<0.0155	<0.0153
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00515	<0.00517	<0.00508
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00515	<0.00517	<0.00508
n-Butylbenzene	- -	- -		mg/kg	<0.00515	<0.00517	<0.00508
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00515	<0.00517	<0.00508
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00515	<0.00517	<0.00508
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00515	<0.00517	<0.00508
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00515	<0.00517	<0.00508
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00515	<0.00517	<0.00508
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00515	<0.00517	<0.00508
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0102	<0.0105	<0.0099
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00515	<0.00517	<0.00508
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00515	<0.00517	<0.00508
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0102	<0.0105	<0.0099
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0102	<0.0105	<0.0099
Acenaphthylene	- -	- -	- -	mg/kg	<0.0102	<0.0105	<0.0099
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0102	<0.0105	<0.0099
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0102	<0.0105	<0.0099
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0102	<0.0105	<0.0099
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0102	<0.0105	<0.0099
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0102	<0.0105	<0.0099
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0102	<0.0105	<0.0099
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0102	<0.0105	<0.0099
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0102	<0.0105	<0.0099
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0102	<0.0105	<0.0099
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00515	<0.00517	<0.00508
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0102	<0.0105	<0.0099
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00515	<0.00517	<0.00508
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0154	<0.0155	<0.0153
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0102	<0.0105	<0.0099
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0102	<0.0105	<0.0099
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.66*	*2.3*	*1.62*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	50.5	191	106
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.102 J	0.235 J	0.126 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	8.13	9.53	8.41

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	4.33	8.26	4.22
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0465	<0.0469	<0.0486
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.22	1.91	1.2
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.202	<0.19	<0.195

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

				Location ID:	0162-SB-005	0162-SB-005	0162-SB-006
				Sample Depth(ft):	9 - 10	14 - 15	0.5 - 1
				Date Collected:	01/20/10	01/20/10	01/20/10
				Sample Name:	STRC-0162-SB-005-(9.0-10.0)	STRC-0162-SB-005-(14.0-15.0)	STRC-0162-SB-006-(0.5-1.0)
	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<9.61	<10.1	**778**
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.195	<0.18	<0.207
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00458*	*<0.00481*	*<0.00503*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00458*	*<0.00481*	*<0.00503*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00458*	*<0.00481*	*<0.00503*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00458*	*<0.00481*	*<0.00503*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0138	<0.0144	<0.0151
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0138	<0.0144	<0.0151
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00458	<0.00481	<0.00503
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0138	<0.0144	<0.0151
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0458	<0.0481	<0.0503
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.00917*	*<0.00962*	*<0.0101*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00458	<0.00481	<0.00503
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00458	<0.00481	<0.00503

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00458	<0.00481	<0.00503
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00458	<0.00481	<0.00503
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00458	<0.00481	<0.00503
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0138	<0.0144	<0.0151
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00458	<0.00481	<0.00503
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00458	<0.00481	<0.00503
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00458	<0.00481	<0.00503
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Cymene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00458	<0.00481	<0.00503
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00458	<0.00481	<0.00503
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00458	<0.00481	<0.00503
Iodomethane	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00458	<0.00481	<0.00503
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00458	<0.00481	<0.00503
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0138	<0.0144	<0.0151
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00458	<0.00481	<0.00503
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00458	<0.00481	<0.00503
n-Butylbenzene	- -	- -		mg/kg	<0.00458	<0.00481	<0.00503
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00458	<0.00481	<0.00503
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00458	<0.00481	<0.00503
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00458	<0.00481	<0.00503
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00458	<0.00481	<0.00503
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

				Location ID:	0162-SB-005	0162-SB-005	0162-SB-006
				Sample Depth(ft):	9 - 10	14 - 15	0.5 - 1
				Date Collected:	01/20/10	01/20/10	01/20/10
				Sample Name:	STRC-0162-SB-005-(9.0-10.0)	STRC-0162-SB-005-(14.0-15.0)	STRC-0162-SB-006-(0.5-1.0)
	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00458	<0.00481	<0.00503
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00458	<0.00481	<0.00503
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0102	<0.00956	<0.102
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00458	<0.00481	<0.00503
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00458	<0.00481	<0.00503
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0102	<0.00956	0.0123
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0102	<0.00956	<0.0102
Acenaphthylene	- -	- -	- -	mg/kg	<0.0102	<0.00956	<0.0102
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0102	<0.00956	0.0173
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0102	<0.00956	<0.102
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0102	<0.00956	<0.102
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0102	<0.00956	<0.102
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0102	<0.00956	<0.102
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0102	<0.00956	<0.102
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0102	<0.00956	<0.102
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0102	<0.00956	0.0072 J
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0102	<0.00956	<0.0102
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00458	<0.00481	<0.00503
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0102	<0.00956	<0.102
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00458	<0.00481	<0.00503
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0138	<0.0144	<0.0151
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0102	<0.00956	0.00912 J
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0102	<0.00956	0.0152
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.6*	*1.25*	***11.4***
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	92.8	102	338
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.116 J	0.142 J	0.491
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	7.9	8.31	9.46

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	4.05	6.08	371
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0498	<0.0486	<0.0468
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.21	1.6	1.42
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.175	<0.199	0.132 J

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

				Location ID:	0162-SB-006	0162-SB-006	0162-SB-006
				Sample Depth(ft):	4 - 5	8 - 9	14 - 15
				Date Collected:	01/20/10	01/20/10	01/20/10
				Sample Name:	STRC-0162-SB-006-(4.0-5.0)	STRC-0162-SB-006-(8.0-9.0)	STRC-0162-SB-006-(14.0-15.0)
	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	**1,900**	**1,280**	<10.6 [<10.4]
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.198	<0.203	<0.191 [<0.202]
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.005*	*<0.00512*	*<0.00521 [<0.00515]*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.005*	*<0.00512*	*<0.00521 [<0.00515]*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.005*	*<0.00512*	*<0.00521 [<0.00515]*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.005*	*<0.00512*	*<0.00521 [<0.00515]*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
2-Phenylbutane	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.05	<0.0512	0.0168 J [0.018 J]
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.01*	*<0.0102*	*<0.0104 [<0.0103]*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chlorobromomethane	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Cymene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Iodomethane	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
n-Butylbenzene	- -	- -		mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
n-Propylbenzene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Acenaphthylene	- -	- -	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	0.0328	<0.00997	<0.00995 [<0.01]
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	0.0781 J	<0.0997	<0.00995 [<0.01]
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.102	<0.0997	<0.00995 [<0.01]
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.005	<0.00512	<0.00521 [<0.00515]
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.015	<0.0154	<0.0156 [<0.0154]
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0102	<0.00997	<0.00995 [<0.01]
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	0.0197	<0.00997	<0.00995 [<0.01]
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.87*	*1.1*	*2.31 [2.08]*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	161	108	64.5 [60.3]
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.157 J	<0.271	0.152 J [0.124 J]
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	7.96	5.52	7.84 [7.12]

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	35.5	10.2	4.46 [4.29]
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0466	<0.0462	<0.0457 [<0.0481]
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.26	0.825	1.24 [1.41]
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.202	<0.18	<0.207 [<0.205]

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.6	<10.1	<9.84
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.206	<0.185	<0.194
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00521*	*<0.00479*	*<0.0047*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00521*	*<0.00479*	*<0.0047*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00521*	*<0.00479*	*<0.0047*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00521*	*<0.00479*	*<0.0047*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0156	<0.0144	<0.0141
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0156	<0.0144	<0.0141
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00521	<0.00479	<0.0047
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0156	<0.0144	<0.0141
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0521	<0.0479	0.0142 J
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0104*	*<0.00958*	*<0.00941*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00521	<0.00479	<0.0047
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00521	<0.00479	<0.0047

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00521	<0.00479	<0.0047
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00521	<0.00479	<0.0047
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00521	<0.00479	<0.0047
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0156	<0.0144	<0.0141
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00521	<0.00479	<0.0047
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00521	<0.00479	<0.0047
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00521	<0.00479	<0.0047
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Cymene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00521	<0.00479	<0.0047
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00521	<0.00479	<0.0047
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00521	<0.00479	<0.0047
Iodomethane	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00521	<0.00479	<0.0047
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00521	<0.00479	<0.0047
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0156	<0.0144	<0.0141
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00521	<0.00479	<0.0047
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00521	<0.00479	<0.0047
n-Butylbenzene	- -	- -		mg/kg	<0.00521	<0.00479	<0.0047
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00521	<0.00479	<0.0047
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00521	<0.00479	<0.0047
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00521	<0.00479	<0.0047
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00521	<0.00479	<0.0047
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00521	<0.00479	<0.0047
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00521	<0.00479	<0.0047
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0105	<0.0099	<0.0102
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00521	<0.00479	<0.0047
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00521	<0.00479	<0.0047
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0105	<0.0099	<0.0102
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0105	<0.0099	<0.0102
Acenaphthylene	- -	- -	- -	mg/kg	<0.0105	<0.0099	<0.0102
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0105	<0.0099	<0.0102
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0105	<0.0099	<0.0102
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0105	<0.0099	<0.0102
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0105	<0.0099	<0.0102
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0105	<0.0099	<0.0102
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0105	<0.0099	<0.0102
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0105	<0.0099	<0.0102
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0105	<0.0099	<0.0102
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0105	<0.0099	<0.0102
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00521	<0.00479	<0.0047
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0105	<0.0099	<0.0102
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00521	<0.00479	<0.0047
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0156	<0.0144	<0.0141
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0105	<0.0099	<0.0102
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0105	<0.0099	<0.0102
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.79*	*1.81*	*2.11*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	235	122	143
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.242 J	0.179 J	0.2 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	11.4	7.42	11

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	12.7	4.79	6.77
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0485	<0.0495	<0.0444
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	2.07	1.33	1.57
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.193	<0.201	<0.182

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.1	131	<9.97
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.199	<0.198	<0.202
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00524*	*<0.00487*	*<0.00456*
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00524*	*<0.00487*	*<0.00456*
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00524*	*<0.00487*	*<0.00456*
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00524*	*<0.00487*	*<0.00456*
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0157	<0.0146	<0.0137
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0157	<0.0146	<0.0137
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00524	<0.00487	<0.00456
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0157	<0.0146	<0.0137
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0524	<0.0487	<0.0456
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0105*	*<0.00974*	*<0.00911*
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00524	<0.00487	<0.00456
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00524	<0.00487	<0.00456

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00524	<0.00487	<0.00456
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00524	<0.00487	<0.00456
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00524	<0.00487	<0.00456
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0157	<0.0146	<0.0137
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00524	<0.00487	<0.00456
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00524	<0.00487	<0.00456
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00524	<0.00487	<0.00456
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Cymene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00524	<0.00487	<0.00456
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00524	<0.00487	<0.00456
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00524	<0.00487	<0.00456
Iodomethane	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00524	<0.00487	<0.00456
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00524	<0.00487	<0.00456
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0157	<0.0146	<0.0137
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00524	<0.00487	<0.00456
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00524	<0.00487	<0.00456
n-Butylbenzene	- -	- -		mg/kg	<0.00524	<0.00487	<0.00456
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00524	<0.00487	<0.00456
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00524	<0.00487	<0.00456
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00524	<0.00487	<0.00456
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00524	<0.00487	<0.00456
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00524	<0.00487	<0.00456
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00524	<0.00487	<0.00456
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0102	<0.0103	<0.0103
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00524	<0.00487	<0.00456
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00524	<0.00487	<0.00456
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0102	<0.0103	<0.0103
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0102	<0.0103	<0.0103
Acenaphthylene	- -	- -	- -	mg/kg	<0.0102	<0.0103	<0.0103
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0102	0.015	<0.0103
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0102	<0.0103	<0.0103
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0102	<0.0103	<0.0103
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0102	<0.0103	<0.0103
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0102	0.0053 J	<0.0103
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0102	<0.0103	<0.0103
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0102	<0.0103	<0.0103
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0102	<0.0103	<0.0103
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0102	<0.0103	<0.0103
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00524	<0.00487	<0.00456
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0102	<0.0103	<0.0103
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00524	<0.00487	<0.00456
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0157	<0.0146	<0.0137
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0102	<0.0103	<0.0103
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0102	<0.0103	<0.0103
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.17*	*2.7*	*1.68*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	89.8	235	105
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.141 J	0.301 J	0.159 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	9.16	10.7	8.04

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	4.87	18	5.19
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0465	<0.0534	<0.0438
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.3	2.17	1.31
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.199	<0.205	<0.186

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.4	<9.99 [<10.1]	<10
Gasoline Range Organics	- -	- -	- -	mg/kg	<0.201	<0.185 [<0.194]	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	*<0.00517*	*<0.00473 [<0.00511]*	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	*<0.00517*	*<0.00473 [<0.00511]*	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	*<0.00517*	*<0.00473 [<0.00511]*	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	*<0.00517*	*<0.00473 [<0.00511]*	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
2-Phenylbutane	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	<0.0517	<0.0473 [<0.0511]	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	*<0.0103*	*<0.00946 [<0.0102]*	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chlorobromomethane	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Cymene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Iodomethane	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
n-Butylbenzene	- -	- -		mg/kg	<0.00517	<0.00473 [<0.00511]	NA
n-Propylbenzene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Acenaphthylene	- -	- -	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	<0.00517	<0.00473 [<0.00511]	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.0155	<0.0142 [<0.0153]	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.0104	<0.0102 [<0.0097]	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.97*	*1.45 [1.55]*	NA
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	93.9	62.9 [66.2]	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.174 J	0.145 J [0.133 J]	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	9.28	9.42 [8.57]	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	6.22	5.12 [5.98]	NA
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.05	<0.0487 [<0.048]	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.62	1.35 [1.48]	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.197	<0.195 [<0.198]	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<9.8	<9.85	<10.2
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	NA	NA	NA
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	NA	NA	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	NA	NA	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	NA	NA	NA
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	NA	NA	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	NA	NA	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	20.8	<9.49 [<10]	<10.1
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	NA	NA	NA
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	NA	NA	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	NA	NA	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	NA	NA	NA
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	NA	NA	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	NA	NA	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	<10.1	NA	NA
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	NA	*1.48*	*1.7*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	NA	71	102
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	NA	<0.286	<0.279
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	NA	6.66	8.03

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	NA	5.28	4.45
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	NA	<0.047	<0.0431
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	NA	1.11	1.25
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	NA	<0.191	<0.186

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	NA	NA	NA
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.14*	*1.81*	*2.07*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	119	192	148
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.128 J	0.115 J	0.191 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	9.32	6.93	10.1

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	5.31	4.59	6.53
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.052	<0.0499	<0.0447
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.41	1.33	1.81
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.199	<0.195	<0.2

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	NA	NA	NA
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.97*	*1.99*	*1.8*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	135	103	87
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.162 J	0.146 J	0.132 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	8.87	9.45	6.71

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	5.84	5.17	4.12
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0449	<0.048	<0.0444
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.6	1.45	1.43
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.2	<0.207	<0.177

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	NA	NA	NA
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	NA	NA
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	NA	NA
Acenaphthylene	- -	- -	- -	mg/kg	NA	NA	NA
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	NA	NA
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	NA	NA
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	NA	NA
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	NA	NA
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	NA	NA
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	NA	NA
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	NA	NA
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	NA	NA
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	NA	NA
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	NA	NA
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	NA	NA
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	NA	NA
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	NA	NA
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*2.72*	*2.51*	*1.83*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	233	191	57
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.293	0.299 J	0.133 J
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	10.9	10.8	7.24

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	8.08	7.62	3.74
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0536	<0.0454	<0.0477
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	2.17	2.01	1.19
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.184	<0.205	<0.198

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	NA	26.9 [31.8]	<2.99
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Acenaphthylene	- -	- -	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	NA	<0.00502 [<0.00489]	<0.00474
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.3 [1.22]*	*1.18 [1.20]*	*1.91*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	63.2 [75.2]	NA	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	0.11 J [0.133 J]	NA	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	9.05 [9.02]	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	3.83 [4.48]	8.77 [5.52]	6.04
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	<0.0444 [<0.0433]	NA	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	1.24 [1.3]	NA	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	<0.188 [<0.179]	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
TPH							
Diesel Range Organics	200	- -	- -	mg/kg	15	<2.89	<3.12
Gasoline Range Organics	- -	- -	- -	mg/kg	NA	NA	NA
VOCs							
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA	NA	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA	NA	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA	NA	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA	NA	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA	NA	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA	NA	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA	NA	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA	NA	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA	NA	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA	NA	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA	NA	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA	NA	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA	NA	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA	NA	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA	NA	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA	NA	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA	NA	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA	NA	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA	NA	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
VOCs							
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA	NA	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA	NA	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA	NA	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA	NA	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA	NA	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA	NA	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA	NA	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA	NA	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA	NA	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA	NA	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA	NA	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA	NA	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA
Cymene	- -	- -	- -	mg/kg	NA	NA	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA	NA	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA	NA	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA	NA	NA
Iodomethane	- -	- -	- -	mg/kg	NA	NA	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA	NA	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA	NA	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA	NA	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA	NA	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA	NA	NA
n-Butylbenzene	- -	- -		mg/kg	NA	NA	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA	NA	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA	NA	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA	NA	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
SVOCs							
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA	NA	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA	NA	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA	NA	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA	NA	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA	NA	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.00494	<0.00475	<0.00523
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA	NA	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA	NA	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.00494	<0.00475	<0.00523
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.00494	<0.00475	<0.00523
Acenaphthylene	- -	- -	- -	mg/kg	<0.00494	<0.00475	<0.00523
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.00494	<0.00475	<0.00523
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.00494	<0.00475	<0.00523
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.00494	<0.00475	<0.00523
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.00494	<0.00475	<0.00523
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.00494	<0.00475	<0.00523
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.00494	<0.00475	<0.00523
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.00494	<0.00475	<0.00523
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.00494	<0.00475	<0.00523
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.00494	<0.00475	<0.00523
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.00494	<0.00475	<0.00523
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA	NA	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.00494	<0.00475	<0.00523
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.00494	<0.00475	<0.00523
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.00494	<0.00475	<0.00523
Metals							
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.44*	*1.42*	*1.56*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	NA	NA	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	NA	NA	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units			
Metals							
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	8.72	6.07	4.74
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	NA	NA	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	NA	NA	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	NA	NA	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units	
TPH					
Diesel Range Organics	200	- -	- -	mg/kg	14.2
Gasoline Range Organics	- -	- -	- -	mg/kg	NA
VOCs					
1,1,1,2-Tetrachloroethane	29.2 {NMED ResSoil09}	0.0345	- -	mg/kg	NA
1,1,1-Trichloroethane	21,800 {NMED ResSoil09}	59.5	- -	mg/kg	NA
1,1,2,2-Tetrachloroethane	7.98 {NMED ResSoil09}	0.0045	- -	mg/kg	NA
1,1,2-Trichloroethane	17.2 {NMED ResSoil09}	0.0135	- -	mg/kg	NA
1,1-Dichloroethane	62.9 {NMED ResSoil09}	0.122	- -	mg/kg	NA
1,1-Dichloroethylene	618 {NMED ResSoil09}	2.38	- -	mg/kg	NA
1,1-Dichloropropene	- -	- -	- -	mg/kg	NA
1,2,3-Trichlorobenzene	- -	- -	- -	mg/kg	NA
1,2,3-Trichloropropane	0.915 {NMED ResSoil09}	0.000713	- -	mg/kg	NA
1,2,4-Trimethylbenzene	62 {EPA ResSoil09}	- -	- -	mg/kg	NA
1,2-Dibromo-3-Chloropropane (DBCP)	0.194 {NMED ResSoil09}	5.95E-05	- -	mg/kg	NA
1,2-Dibromoethane (ethylene dibromide)	0.574 {NMED ResSoil09}	0.000316	- -	mg/kg	NA
1,2-Dichloroethane	7.74 {NMED ResSoil09}	0.0073	- -	mg/kg	NA
1,2-Dichloropropane	14.7 {NMED ResSoil09}	0.0223	- -	mg/kg	NA
1,3,5-Trimethylbenzene	780 {EPA ResSoil09}	- -	- -	mg/kg	NA
1,3-Dichloropropane	1,600 {EPA ResSoil09}	- -	- -	mg/kg	NA
2,2-Dichloropropane	- -	- -	- -	mg/kg	NA
2-Butanone	39,600 {NMED ResSoil09}	25.3	- -	mg/kg	NA
2-Chloroethyl Vinyl Ether	- -	- -	- -	mg/kg	NA
2-Chlorotoluene	1,560 {NMED ResSoil09}	12.5	- -	mg/kg	NA
2-Phenylbutane	- -	- -	- -	mg/kg	NA
4-Chlorotoluene	5,500 {EPA ResSoil09}	- -	- -	mg/kg	NA
4-Methyl-2-Pentanone(MIBK)	5,950 {NMED ResSoil09}	7.58	- -	mg/kg	NA
Acetone	67,500 {NMED ResSoil09}	76.9	- -	mg/kg	NA
Acrylonitrile	5.97 {NMED ResSoil09}	0.00164	- -	mg/kg	NA
Benzene	15.5 {NMED ResSoil09}	0.037	- -	mg/kg	NA
Bromobenzene	300 {EPA ResSoil09}	- -	- -	mg/kg	NA
Bromodichloromethane	5.25 {NMED ResSoil09}	0.00553	- -	mg/kg	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units	
VOCs					
Bromomethane	22.3 {NMED ResSoil09}	0.0388	- -	mg/kg	NA
Carbon Disulfide	1,940 {NMED ResSoil09}	5.04	- -	mg/kg	NA
Carbon Tetrachloride	4.38 {NMED ResSoil09}	0.0148	- -	mg/kg	NA
CFC-11 (Trichlorofluoromethane)	2,010 {NMED ResSoil09}	18	- -	mg/kg	NA
CFC-12 (Dichlorodifluoromethane)	481 {NMED ResSoil09}	14.5	- -	mg/kg	NA
Chlorobenzene	508 {NMED ResSoil09}	1.08	- -	mg/kg	NA
Chlorobromomethane	- -	- -	- -	mg/kg	NA
Chlorodibromomethane (Dibromochloromethane)	11.9 {NMED ResSoil09}	0.00675	- -	mg/kg	NA
Chloroethane (Ethylchloride)	43,600 {NMED ResSoil09}	108	- -	mg/kg	NA
Chloroform	5.72 {NMED ResSoil09}	0.00936	- -	mg/kg	NA
Chloromethane	35.6 {NMED ResSoil09}	0.0836	- -	mg/kg	NA
cis-1,2-Dichloroethene	782 {NMED ResSoil09}	1.89	- -	mg/kg	NA
cis-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA
Cymene	- -	- -	- -	mg/kg	NA
Dibromomethane (Methylene Dibromide)	782 {NMED ResSoil09}	1.55	- -	mg/kg	NA
Dichloromethane (Methylene Chloride)	199 {NMED ResSoil09}	0.215	- -	mg/kg	NA
Ethylbenzene	69.7 {NMED ResSoil09}	0.291	- -	mg/kg	NA
Iodomethane	- -	- -	- -	mg/kg	NA
Isopropylbenzene (Cumene)	3,210 {NMED ResSoil09}	19.7	- -	mg/kg	NA
m,p-Xylene (m-Xylene)	8,290 {NMED ResSoil09}	24.5	- -	mg/kg	NA
Methyl N-Butyl Ketone	- -	- -	- -	mg/kg	NA
Methylbenzene (Toluene)	5,570 {NMED ResSoil09}	27.7	- -	mg/kg	NA
methyl tertiary butyl ether	862 {NMED ResSoil09}	0.459	- -	mg/kg	NA
n-Butylbenzene	- -	- -		mg/kg	NA
n-Propylbenzene	- -	- -	- -	mg/kg	NA
o-Xylene	9,550 {NMED ResSoil09}	24.7	- -	mg/kg	NA
Styrene (Monomer)	8,970 {NMED ResSoil09}	31.2	- -	mg/kg	NA
tert-Butylbenzene	- -	- -	- -	mg/kg	NA
Tetrachloroethene	6.99 {NMED ResSoil09}	0.00898	- -	mg/kg	NA
Trans-1,2-Dichloroethene	273 {NMED ResSoil09}	0.603	- -	mg/kg	NA
Trans-1,3-Dichloropropene	- -	- -	- -	mg/kg	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units	
SVOCs					
Trans-1,4-Dichlorobutene	- -	- -	- -	mg/kg	NA
Tribromomethane (Bromoform)	616 {NMED ResSoil09}	12.1	- -	mg/kg	NA
Trichloroethylene	45.7 {NMED ResSoil09}	0.106	- -	mg/kg	NA
Vinyl Chloride	0.865 {NMED ResSoil09}	0.00576	- -	mg/kg	NA
1,2,4-Trichlorobenzene	143 {NMED ResSoil09}	0.205	- -	mg/kg	NA
1,2-Benzphenanthracene (Chrysene)	621 {NMED ResSoil09}	652	- -	mg/kg	<0.00504
1,2-Dichlorobenzene	3,010 {NMED ResSoil09}	6.27	- -	mg/kg	NA
1,4-Dichlorobenzene	32.2 {NMED ResSoil09}	0.0714	- -	mg/kg	NA
2-Methylnaphthalene	310 {EPA ResSoil09}	- -	- -	mg/kg	<0.00504
Acenaphthene	3,440 {NMED ResSoil09}	410	- -	mg/kg	<0.00504
Acenaphthylene	- -	- -	- -	mg/kg	<0.00504
Anthracene	17,200 {NMED ResSoil09}	6,740	- -	mg/kg	<0.00504
Benzo(a)Anthracene	6.21 {NMED ResSoil09}	6.39	- -	mg/kg	<0.00504
Benzo(a)Pyrene	0.621 {NMED ResSoil09}	2.17	- -	mg/kg	<0.00504
Benzo(b)Fluoranthene	6.21 {NMED ResSoil09}	22.2	- -	mg/kg	<0.00504
Benzo(g,h,i)Perylene	- -	- -	- -	mg/kg	<0.00504
Benzo(k)Fluoranthene	62.1 {NMED ResSoil09}	217	- -	mg/kg	<0.00504
Dibenz(a,h)Anthracene	0.621 {NMED ResSoil09}	7.24	- -	mg/kg	<0.00504
Fluoranthene	2,290 {NMED ResSoil09}	3,110	- -	mg/kg	<0.00504
Fluorene	2,290 {NMED ResSoil09}	500	- -	mg/kg	<0.00504
Hexachloro-1,3-Butadiene	61.1 {NMED ResSoil09}	0.295	- -	mg/kg	NA
Indeno(1,2,3-cd)Pyrene	6.21 {NMED ResSoil09}	73.9	- -	mg/kg	<0.00504
m-Dichlorobenzene	- -	- -	- -	mg/kg	NA
Naphthalene	45 {NMED ResSoil09}	0.0839	- -	mg/kg	<0.00504
Phenanthrene	1,830 {NMED ResSoil09}	1,670	- -	mg/kg	<0.00504
Pyrene	1,720 {NMED ResSoil09}	2,240	- -	mg/kg	<0.00504
Metals					
Arsenic	3.9 {NMED ResSoil09}	0.262	3.0	mg/kg	*1.41*
Barium	15,600 {NMED ResSoil09}	6,030	279.4	mg/kg	NA
Cadmium	77.9 {NMED ResSoil09}	27.5	0.342	mg/kg	NA
Chromium	219 {NMED ResSoil09}	- -	12.89	mg/kg	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	NMED_EPA_ResSoil_SR	DAF20	UTL	Units	
Metals					
Lead	400 {NMED ResSoil09}	- -	9.26	mg/kg	7.02
Mercury	7.71 {NMED ResSoil09}	0.587	- -	mg/kg	NA
Selenium	391 {NMED ResSoil09}	19.3	2.42	mg/kg	NA
Silver	391 {NMED ResSoil09}	31.3	- -	mg/kg	NA

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Table 2. Summary of Soil Sample Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

Acronym/Note	Description
--	Standard not available
<	indicates that the constituent was not detected at the sample quantitation limit shown.
<0.00521 [<0.00515]	Data shown in brackets represent duplicate sample results.
1,900	Yellow highlight indicates that the reported result exceeds the published SSLs. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the SSL.
<0.5	Italics indicates that the reported result exceeds the NMED DAF 20 SSL. If the result is preceded by "<", constituent was not detected, but the reported sample quantitation limit exceeds the DAF 20 SSL.
DAF 20	NMED Dilution Attenuation Factor from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009. DAF 20 indicates a Dilution Attenuation Factor of 20 was used.
EPA	United States Environmental Protection Agency.
EPA ResSoil09	USEPA Residential Screening Level from *USEPA Regional Screening Levels* (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index/htm). 2009.
J	Indicates an estimated value.
mg/kg	Milligram per kilogram.
NA	The sample was not tested for this constituent.
NMED	New Mexico Environment Department.
NMED ResSoil09	NMED Residential Soil Screening Level from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009.
NMED TPH Guidance	NMED TPH Screening Level from October 2006 NMED TPH Screening Guidelines document.
SSL	Soil Screening Level
SVOCs	Semi-volatile Organic Constituents
TPH	Total Petroleum Hydrocarbons
UTL	Upper Tolerance Limit. This is a site-specific value determined through statistical evaluation of soil data from Background Borings BG-001 through BG-003. The UTL is the tolerance interval that would contain 95% of the background concentrations with 95% confidence.
VOCs	Volatile Organic Constituents

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Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
TPHs					
Diesel Range Organics	mg/kg	<10.4	<10.7	< 10.1	NA
Gasoline Range Organics	mg/kg	<0.2	<0.211	NA	NA
VOCs					
1,1,1,2-Tetrachloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1,1-Trichloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1,2,2-Tetrachloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1,2-Trichloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1-Dichloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1-Dichloroethylene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,1-Dichloropropene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2,3-Trichlorobenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2,3-Trichloropropane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2,4-Trimethylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2-Dibromo-3-Chloropropane (DBCP)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2-Dibromoethane (ethylene dibromide)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2-Dichloroethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,2-Dichloropropane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,3,5-Trimethylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
1,3-Dichloropropane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
2,2-Dichloropropane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
2-Butanone	mg/kg	<0.0159	<0.0147	< 0.0154	NA
2-Chloroethyl Vinyl Ether	mg/kg	<0.0159	<0.0147	< 0.0154	NA
2-Chlorotoluene	mg/kg	<0.0053	<0.0049	< 0.00513	NA

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
VOCs					
2-Phenylbutane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
4-Chlorotoluene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
4-Methyl-2-Pentanone(MIBK)	mg/kg	<0.0159	<0.0147	< 0.0154	NA
Acetone	mg/kg	<0.053	0.0169 J	< 0.0513	NA
Acrylonitrile	mg/kg	<0.0106	<0.0098	< 0.0103	NA
Benzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Bromobenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Bromodichloromethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Bromomethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Carbon Disulfide	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Carbon Tetrachloride	mg/kg	<0.0053	<0.0049	< 0.00513	NA
CFC-11 (Trichlorofluoromethane)	mg/kg	<0.0159	<0.0147	< 0.0154	NA
CFC-12 (Dichlorodifluoromethane)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chlorobenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chlorobromomethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chlorodibromomethane (Dibromochloromethane)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chloroethane (Ethylchloride)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chloroform	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Chloromethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
cis-1,2-Dichloroethene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
cis-1,3-Dichloropropene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Cymene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Dibromomethane (Methylene Dibromide)	mg/kg	<0.0053	<0.0049	< 0.00513	NA

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Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
VOCs					
Dichloromethane (Methylene Chloride)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Ethylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Iodomethane	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Isopropylbenzene (Cumene)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
m,p-Xylene (m-Xylene)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Methyl N-Butyl Ketone	mg/kg	<0.0159	<0.0147	< 0.0154	NA
Methylbenzene (Toluene)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
MTBE	mg/kg	<0.0053	<0.0049	< 0.00513	NA
n-Butylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
n-Propylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
o-Xylene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Styrene (Monomer)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
tert-Butylbenzene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Tetrachloroethene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Trans-1,2-Dichloroethene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Trans-1,3-Dichloropropene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Trans-1,4-Dichlorobutene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Tribromomethane (Bromoform)	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Trichloroethylene	mg/kg	<0.0053	<0.0049	< 0.00513	NA
Vinyl Chloride	mg/kg	<0.0053	<0.0049	< 0.00513	NA
SVOCs					
1,2,4,5-Tetrachlorobenzene	mg/kg	<0.14	<0.143	< 0.136	NA
1,2,4-Trichlorobenzene	mg/kg	NA	NA	< 0.136	NA

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
SVOCs					
1,2-Benzphenanthracene (Chrysene)	mg/kg	NA	NA	< 0.136	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	< 0.136	NA
1,2-Diphenylhydrazine	mg/kg	<0.14	<0.143	< 0.136	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	< 0.136	NA
1-Chloronaphthalene	mg/kg	<0.14	<0.143	< 0.136	NA
1-Methylnaphthalene	mg/kg	<0.14	<0.143	< 0.136	NA
1-Naphthylamine	mg/kg	<0.14	<0.143	< 0.136	NA
2,4,5-Trichlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
2,4,6-Trichlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
2,4-Dichlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
2,4-Dimethylphenol	mg/kg	<0.14	<0.143	< 0.136	NA
2,4-Dinitrophenol	mg/kg	<0.694	<0.712	< 0.676	NA
2,4-Dinitrotoluene	mg/kg	<0.14	<0.143	< 0.136	NA
2,6-Dichlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
2,6-Dinitrotoluene	mg/kg	<0.14	<0.143	< 0.136	NA
2-Chloronaphthalene (b-)	mg/kg	<0.14	<0.143	< 0.136	NA
2-Chlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
2-Methyl Pyridine	mg/kg	<0.14	<0.143	< 0.136	NA
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	mg/kg	<0.347	<0.356	< 0.338	NA
2-Methylnaphthalene	mg/kg	NA	NA	< 0.136	NA
2-Methylphenol (o-cresol)	mg/kg	<0.14	<0.143	< 0.136	NA
2-Naphthylamine	mg/kg	<0.14	<0.143	< 0.136	NA
2-Nitroaniline	mg/kg	<0.14	<0.143	< 0.136	NA

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Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
SVOCs					
2-Nitrophenol	mg/kg	<0.14	<0.143	< 0.136	NA
3,3-Dichlorobenzidine	mg/kg	<0.14	<0.143	< 0.136	NA
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	mg/kg	<0.14	<0.143	< 0.136	NA
3-Methylchloranthrene	mg/kg	<0.14	<0.143	< 0.136	NA
3-Nitroaniline	mg/kg	<0.14	<0.143	< 0.136	NA
4-Aminobiphenyl	mg/kg	<0.14	<0.143	< 0.136	NA
4-Bromophenyl Phenyl Ether	mg/kg	<0.14	<0.143	< 0.136	NA
4-Chloro-3-Methylphenol	mg/kg	<0.14	<0.143	< 0.136	NA
4-Chlorophenyl Phenyl Ether	mg/kg	<0.14	<0.143	< 0.136	NA
4-Dimethylaminoazobenzene	mg/kg	<0.14	<0.143	< 0.136	NA
4-Methyl Phenol (p-cresol)	mg/kg	<0.14	<0.143	< 0.136	NA
4-Nitrophenol	mg/kg	<0.694	<0.712	< 0.676	NA
7,12-Dimethylbenz(a)Anthracene	mg/kg	<0.14	<0.143	< 0.136	NA
a,a-Dimethylphenethylamine	mg/kg	<0.14	<0.143	< 0.136	NA
Acenaphthene	mg/kg	NA	NA	< 0.136	NA
Acenaphthylene	mg/kg	NA	NA	< 0.136	NA
Acetophenone	mg/kg	<0.14	<0.143	< 0.136	NA
Aniline	mg/kg	<0.14	<0.143	< 0.136	NA
Anthracene	mg/kg	NA	NA	< 0.136	NA
Benzidine	mg/kg	<0.694	<0.712	< 0.676	NA
Benzo(a)Anthracene	mg/kg	NA	NA	< 0.136	NA
Benzo(a)Pyrene	mg/kg	NA	NA	< 0.136	NA
Benzo(b)Fluoranthene	mg/kg	NA	NA	< 0.136	NA

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
SVOCs					
Benzo(g,h,i)Perylene	mg/kg	NA	NA	< 0.136	NA
Benzo(k)Fluoranthene	mg/kg	NA	NA	< 0.136	NA
Benzoic Acid	mg/kg	<0.694	<0.712	< 0.676	NA
Benzyl Alcohol	mg/kg	<0.347	<0.356	< 0.338	NA
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	mg/kg	<0.347	<0.356	< 0.338	NA
Bis (2-Chloroethoxy) Methane	mg/kg	<0.14	<0.143	< 0.136	NA
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)	mg/kg	<0.14	<0.143	< 0.136	NA
Bis(2-Chloroethyl) Ether	mg/kg	<0.14	<0.143	< 0.136	NA
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	mg/kg	<0.14	<0.143	< 0.136	NA
Carbazole	mg/kg	<0.14	<0.143	< 0.136	NA
Dibenz(a,h)Anthracene	mg/kg	NA	NA	< 0.136	NA
Dibenz(a,j)Acridine	mg/kg	0.049 JN	<0.143	< 0.136	NA
Dibenzofuran	mg/kg	<0.14	<0.143	< 0.136	NA
Diethyl Phthalate	mg/kg	<0.347	<0.356	< 0.338	NA
Dimethyl Phthalate	mg/kg	<0.347	<0.356	< 0.338	NA
Di-n-Butyl Phthalate	mg/kg	<0.347	<0.356	< 0.338	NA
Di-n-Octyl Phthalate	mg/kg	<0.347	<0.356	< 0.338	NA
Diphenylamine	mg/kg	<0.14	<0.143	< 0.136	NA
Ethyl Methanesulfonate	mg/kg	<0.14	<0.143	< 0.136	NA
Fluoranthene	mg/kg	NA	NA	< 0.136	NA
Fluorene	mg/kg	NA	NA	< 0.136	NA
Hexachloro-1,3-Butadiene	mg/kg	NA	NA	< 0.136	NA
Hexachlorobenzene	mg/kg	<0.14	<0.143	< 0.136	NA

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
SVOCs					
Hexachlorocyclopentadiene	mg/kg	<0.347	<0.356	< 0.338	NA
Hexachloroethane	mg/kg	<0.14	<0.143	< 0.136	NA
Indeno(1,2,3-cd)Pyrene	mg/kg	NA	NA	< 0.136	NA
m-Dichlorobenzene	mg/kg	NA	NA	< 0.136	NA
Methanamine, N-Methyl-N-Nitroso	mg/kg	<0.14	<0.143	< 0.136	NA
Methyl Methanesulfonate	mg/kg	<0.14	<0.143	< 0.136	NA
Naphthalene	mg/kg	NA	NA	< 0.136	NA
Nitrobenzene	mg/kg	<0.14	<0.143	< 0.136	NA
N-Nitrosodi-N-Propylamine	mg/kg	<0.14	<0.143	< 0.136	NA
N-Nitrosodiphenylamine	mg/kg	<0.14	<0.143	< 0.136	NA
N-Nitrosopiperidine	mg/kg	<0.14	<0.143	< 0.136	NA
p-Chloroaniline	mg/kg	<0.347	<0.356	< 0.338	NA
Pentachlorobenzene	mg/kg	<0.14	<0.143	< 0.136	NA
Pentachloronitrobenzene	mg/kg	<0.14	<0.143	< 0.136	NA
Pentachlorophenol	mg/kg	<0.14	<0.143	< 0.136	NA
Phenacetin	mg/kg	<0.14	<0.143	< 0.136	NA
Phenanthrene	mg/kg	NA	NA	< 0.136	NA
Phenol	mg/kg	<0.14	<0.143	< 0.136	NA
p-Nitroaniline	mg/kg	<0.14	<0.143	< 0.136	NA
Propyzamide (Kerb)	mg/kg	<0.14	<0.143	< 0.136	NA
Pyrene	mg/kg	NA	NA	< 0.136	NA
Pyridine	mg/kg	<0.694	<0.712	< 0.676	NA

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

	Units				
Metals					
Arsenic	mg/kg	2.71	2.49	1.51	NA
Barium	mg/kg	216	113	92.7	NA
Cadmium	mg/kg	0.324	0.164 J	0.153	NA
Chromium	mg/kg	11.4 J	11.7	9.39	NA
Lead	mg/kg	9.69	7.11	5.12	NA
Lead (TCLP)	mg/L	NA	NA	NA	0.00548 J
Mercury	mg/kg	<0.0473	<0.0497	< 0.0505	NA
Selenium	mg/kg	2.17	1.88	1.67	NA
Silver	mg/kg	<0.212	<0.205	< 0.199	NA
Miscellaneous Parameters					
Ignitability	deg c	NA	NA	0	NA
Percent Moisture	percent	6.52	8.71	3.53	6.39
Polychlorinated Biphenyls					
Aroclor 1016	percent	NA	NA	NA	<0.0315
Aroclor 1221	percent	NA	NA	NA	<0.0315
Aroclor 1232	percent	NA	NA	NA	<0.0315
Aroclor 1242	percent	NA	NA	NA	<0.0315
Aroclor 1248	percent	NA	NA	NA	<0.0315
Aroclor 1254	percent	NA	NA	NA	<0.0315
Aroclor 1260	percent	NA	NA	NA	<0.0315

ARCADIS

Table 3. Summary of Waste Characterization Analytical Results
Stallion Range Center Former Firefighter Training Area SWMU 162 (CCWS-04)
White Sands Missile Range, New Mexico

Acronym/Note	Description
J	Indicates an estimated value.
JN	Estimated value; Presence of an analyte tentatively identified.
mg/kg	Milligram per kilogram.
NA	The sample was not tested for this constituent.
SVOC	Semivolatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
VOC	Volatile Organic Compounds
<	indicates that the constituent was not detected at the sample quantitation limit shown

NOTES:
AERIAL SOURCE: USDA NAIP 2009 - SOCORRO COUNTY, NM

N

0 1,000 2,000 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
SITE LOCATION MAP

ARCADIS

FIGURE
1

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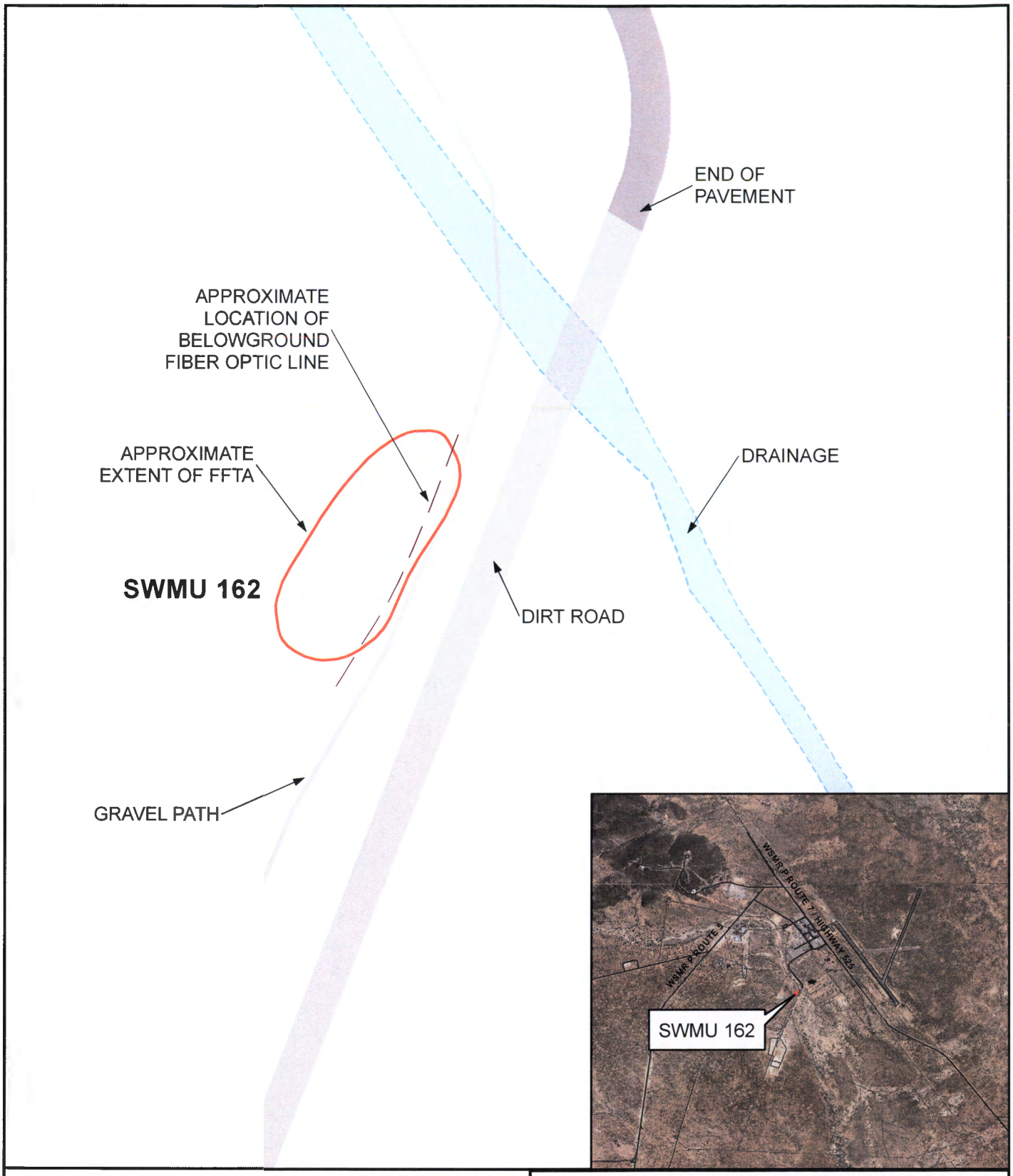


LEGEND

- SWMU162
- DIRT ROAD
- PAVED ROAD
- DRAINAGE
- APPROXIMATE LOCATION OF FIBER OPTIC LINE
- GRAVEL PATH

NOTES:
1. AERIAL SOURCE: USDA NAIP 2009 - SOCORRO COUNTY, NM
2. BASE MAP INFORMATION DIGITIZED FROM THE SAME AERIAL.

N

0 50 100 Feet

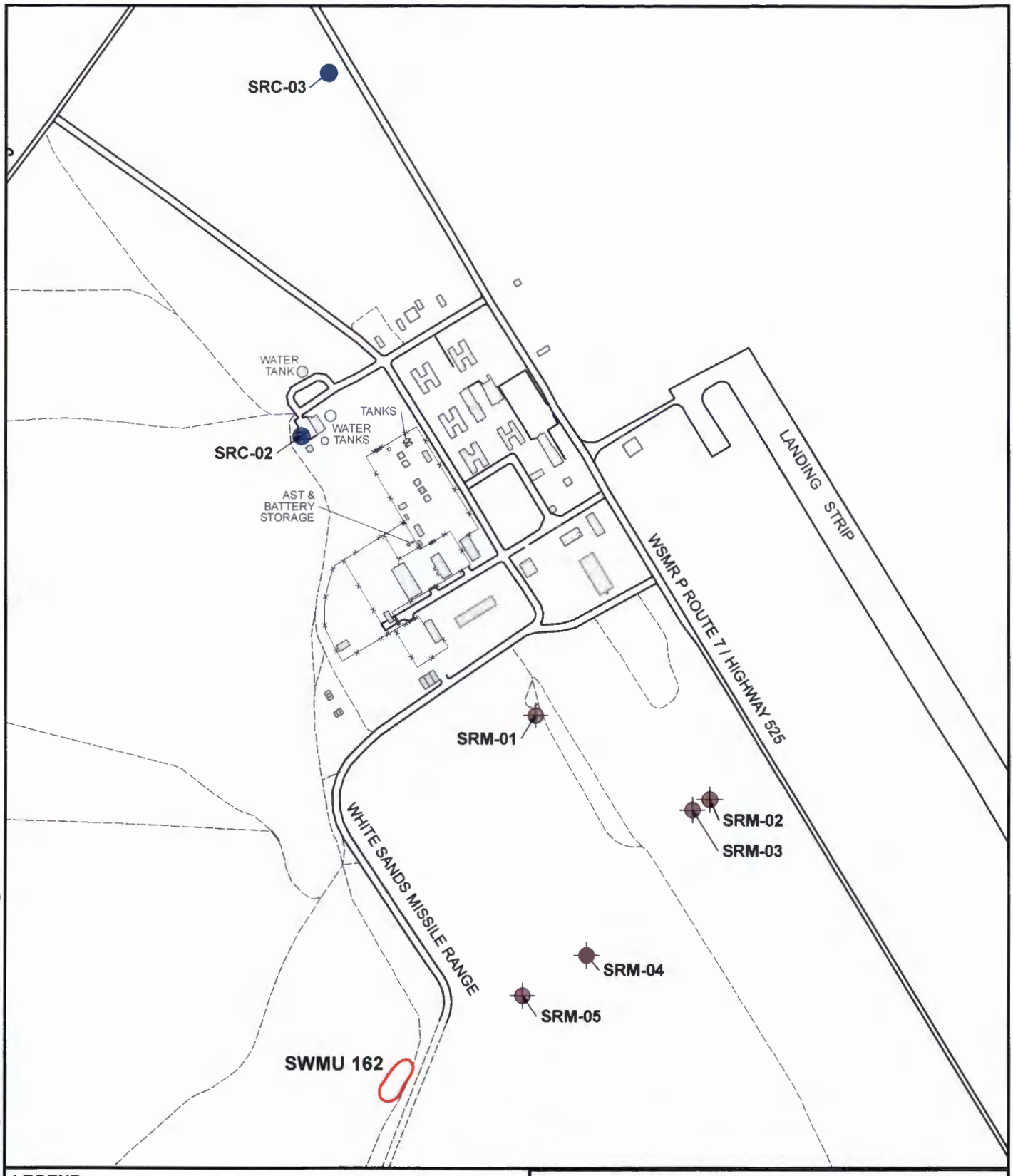
WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER FORMER FIREFIGHTER TRAINING AREA (SWMU 162) SITE MAP

ARCADIS

FIGURE 2

I:\WhiteSands\GIS\ArcMap_MXD\StallionRange\Figure2_SRCenter FFTA Site Map.mxd - 7/1/2010 @ 11:24:23 AM



LEGEND

- WATER SUPPLY WELL
- MONITORING WELL
- BUILDING / STRUCTURE
- SWMU162
- TRAIL
- DIRT ROAD
- PAVED ROAD

NOTES:
BASE MAP INFORMATION DIGITIZED FROM USDA NAIP 2009 OF SOCORRO COUNTY, NM

N

0 300 600 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

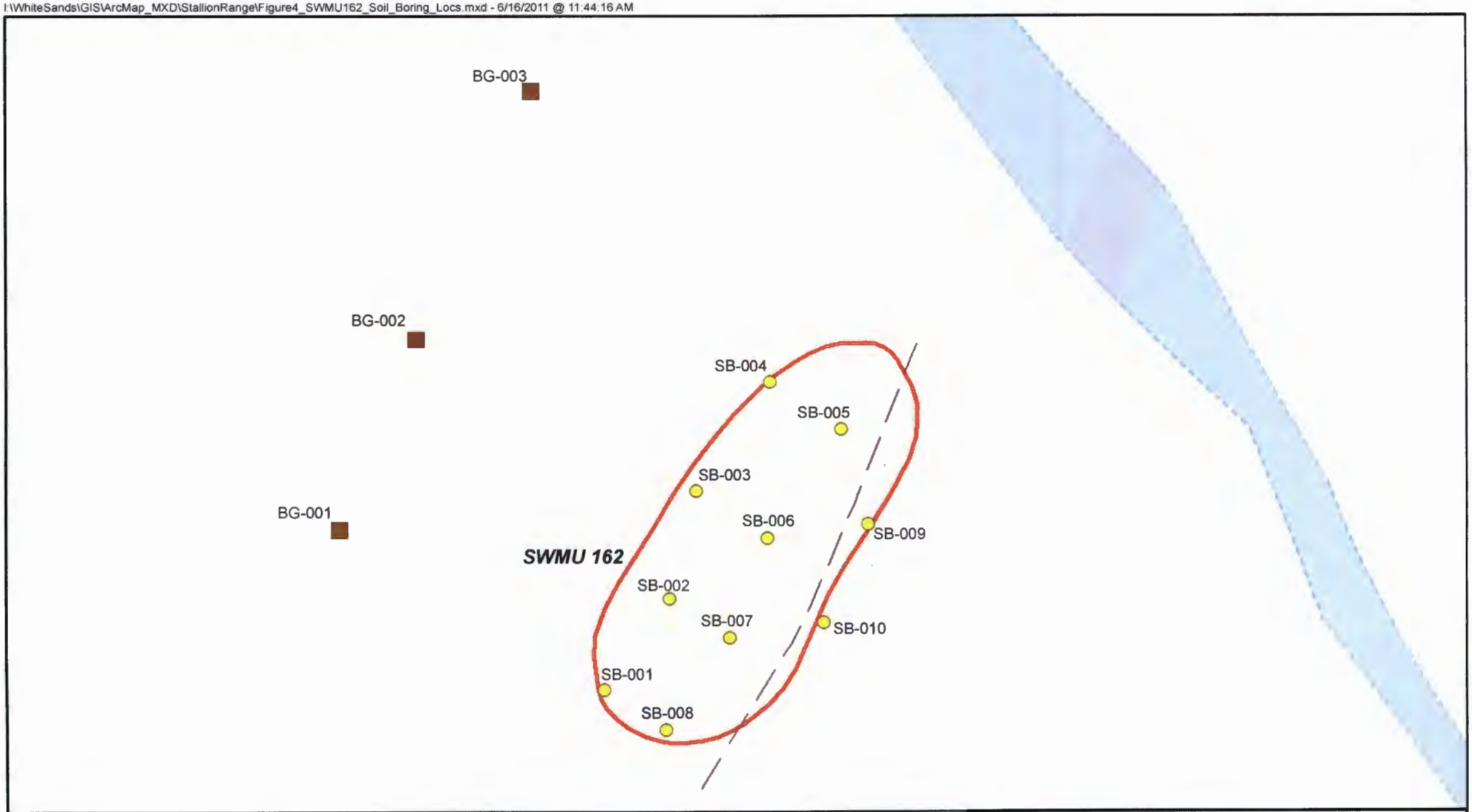
STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
NEARBY WELL LOCATIONS

ARCADIS

FIGURE
3

I:\WhiteSands\GIS\ArcMap_MXD\StallionRange\Figure3_SRCenter Well Locations_.mxd - 7/1/2010 @ 10:38:11 AM

I:\WhiteSands\GIS\ArcMap_MXD\StallionRange\Figure4_SWMU162_Soil_Boring_Locs.mxd - 6/16/2011 @ 11:44:16 AM



LEGEND

- BACKGROUND SOIL BORING LOCATION
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FIBER OPTIC LINE
- SWMU162
- DIRT ROAD
- DRAINAGE
- GRAVEL PATH

NOTES:
BASE MAP INFORMATION PROVIDED BY ZIA, OCTOBER 2008.

N

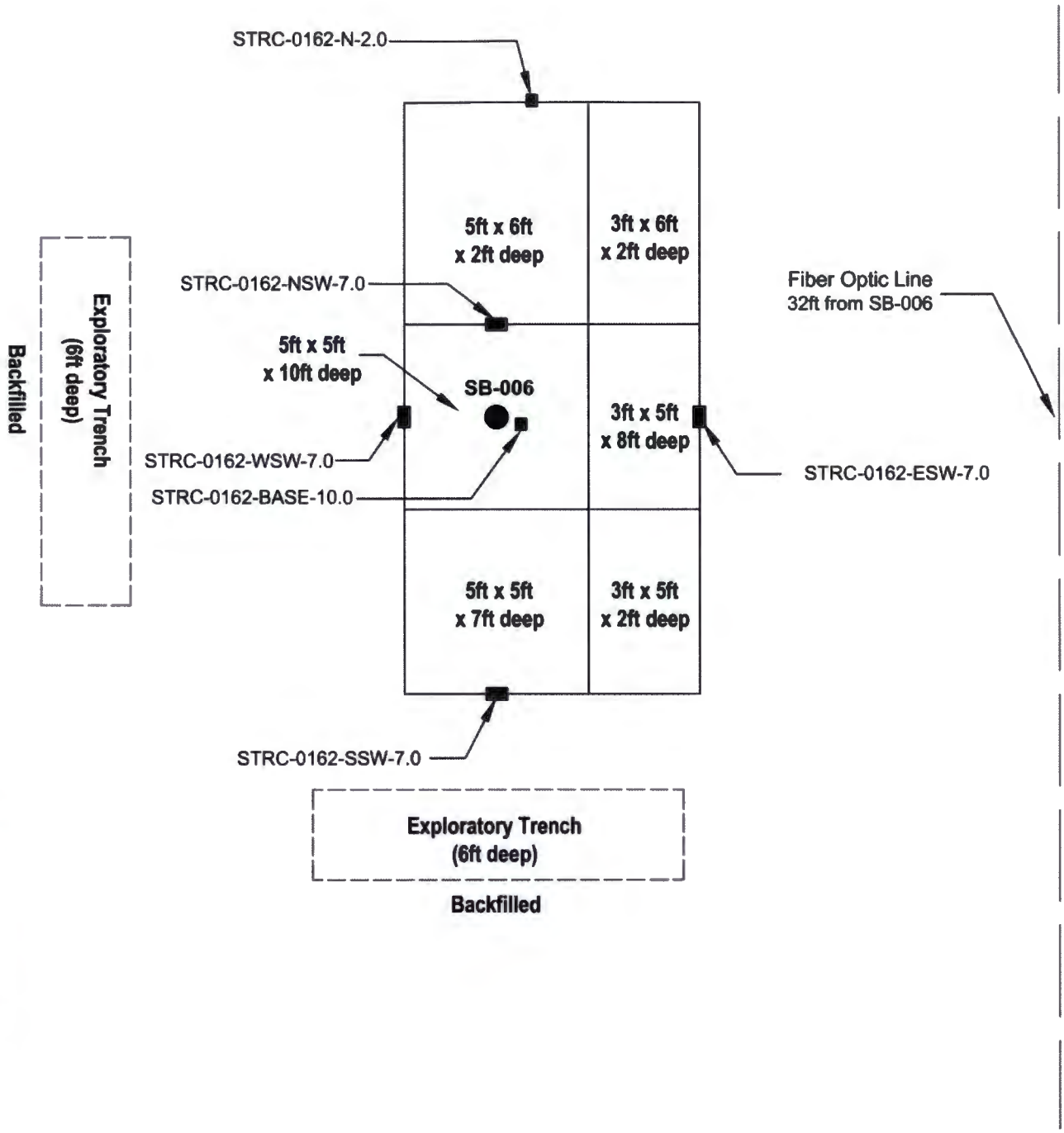
0 50 100 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
SOIL BORING LOCATIONS

ARCADIS

FIGURE
4



LEGEND

■ CONFIRMATION SAMPLE

NOTES:
THE FIGURE WAS DRAFTED BASED ON ZIA DESCRIPTION.

N

0 2.5 5.0 Feet

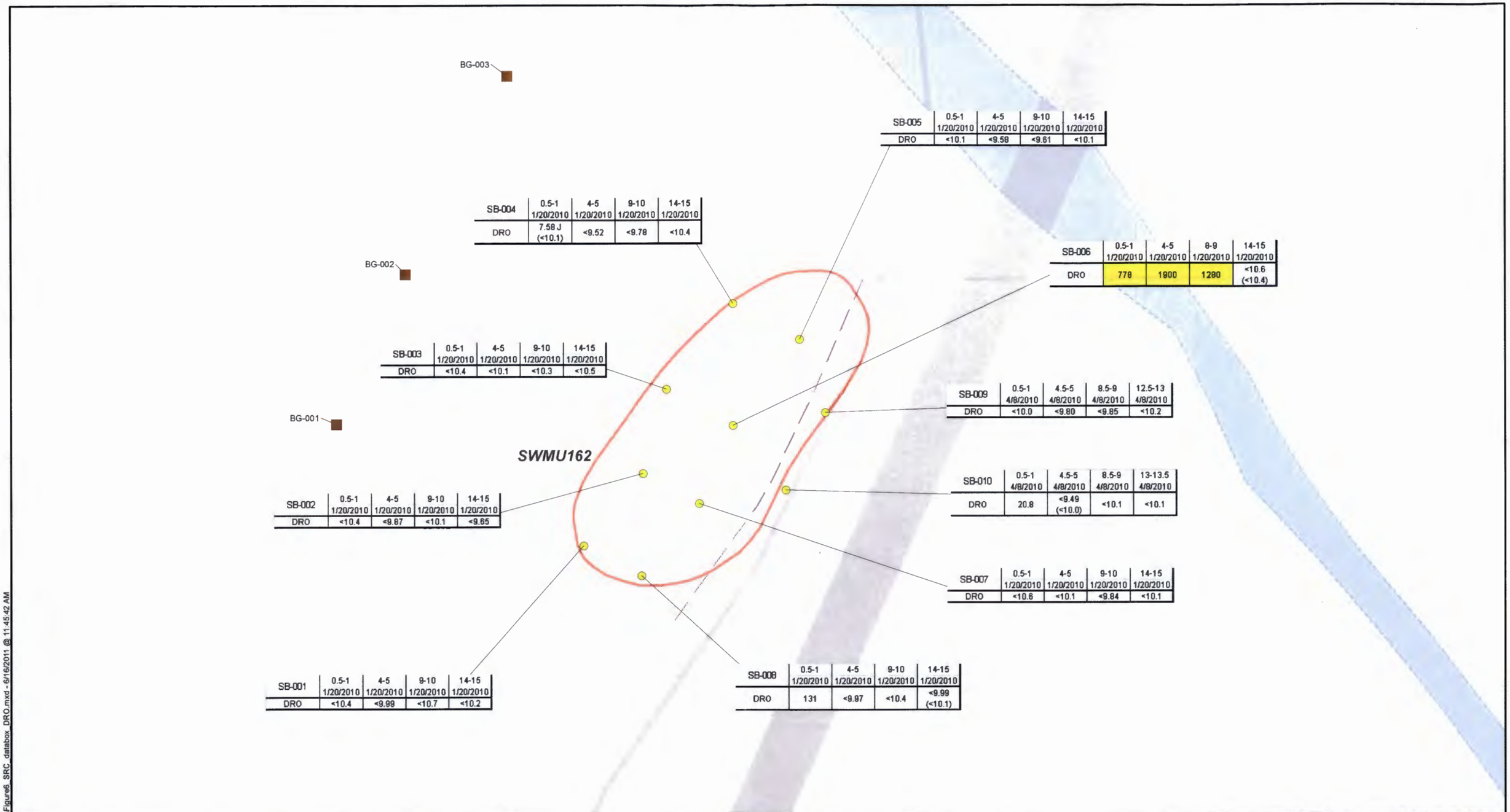
WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA
(SWMU 162)
EXTENT OF EXCAVATION AT LOCATION SB-006

ARCADIS

FIGURE
5

K:\Misc. Tasks\WhiteSands\CAD\SRC_FFTA_RFI_excavationwork.dwg LAYOUT: MODEL PLOTTED: 4/25/2011 4:43 PM BY: CHEN, JIE



SB-005	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	<10.1	<9.58	<9.61	<10.1

SB-004	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	7.58 J (<10.1)	<9.52	<9.78	<10.4

SB-006	0.5-1 1/20/2010	4-5 1/20/2010	8-9 1/20/2010	14-15 1/20/2010
DRO	778	1900	1280	<10.6 (<10.4)

SB-003	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	<10.4	<10.1	<10.3	<10.5

SB-009	0.5-1 4/8/2010	4.5-5 4/8/2010	8.5-9 4/8/2010	12.5-13 4/8/2010
DRO	<10.0	<9.80	<9.85	<10.2

SB-010	0.5-1 4/8/2010	4.5-5 4/8/2010	8.5-9 4/8/2010	13-13.5 4/8/2010
DRO	20.8	<9.49 (<10.0)	<10.1	<10.1

SB-002	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	<10.4	<9.87	<10.1	<9.65

SB-007	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	<10.6	<10.1	<9.84	<10.1

SB-001	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	<10.4	<9.99	<10.7	<10.2

SB-008	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
DRO	131	<9.97	<10.4	<9.99 (<10.1)

LEGEND

- BACKGROUND SAMPLE LOCATION
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FIBER OPTIC LINE
- DIRT ROAD
- DRAINAGE
- SWMU162
- GRAVEL PATH

DATABOX KEY:

BORING LOCATION	DEPTH INTERVAL (ft/bgs) DATE
COMPOUND	RESULT (mg/kg)

NOTES:
1. THE SCREENING CRITERIA FOR DRO IS TAKEN FROM THE OCTOBER 2006 NMED TPH SCREENING GUIDELINES.
2. YELLOW HIGHLIGHT INDICATES THE REPORTED RESULT EXCEEDS THE PUBLISHED SSLS.
3. BRACKETS INDICATE THAT THE RESULT SHOWN IS FROM A DUPLICATE FIELD SAMPLE.

NMED: NEW MEXICO ENVIRONMENT DEPARTMENT
TPH: TOTAL PETROLEUM HYDROCARBON
SSL: SOIL SCREENING LEVEL
J: INDICATES AN ESTIMATED VALUE
<: SAMPLE RESULT WAS NOT DETECTED AT LABORATORY REPORTING LIMIT SHOWN
ft/bgs: FEET BELOW GROUND SURFACE
mg/kg: MILLIGRAM PER KILOGRAM

SOURCE:
BASE MAP PROVIDED BY ZIA, AND RECTIFIED TO DECEMBER 2008 SATELLITE IMAGE.

N

0 50 100 Feet

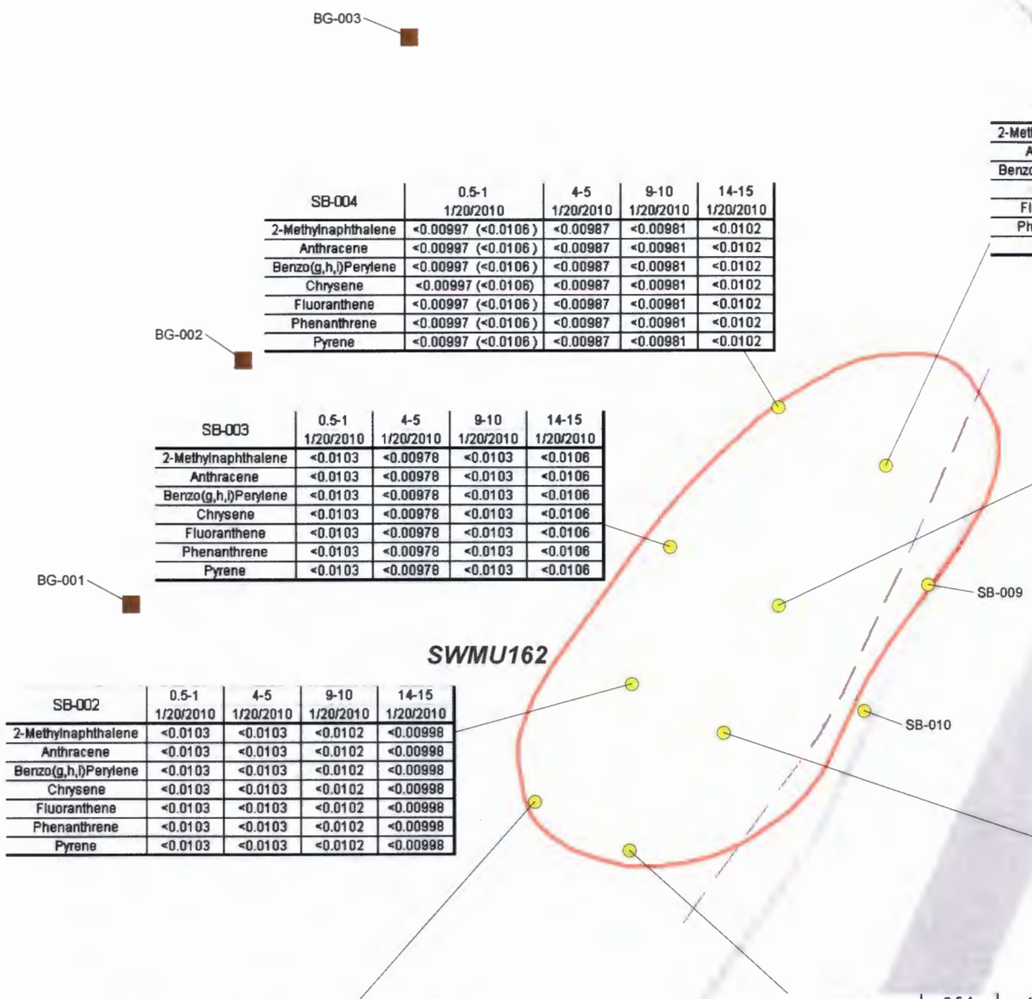
WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
TPH-DRO CONCENTRATIONS IN SOILS

ARCADIS

FIGURE 6

I:\WhiteSands\GIS\ArcMap_MXD\StallionRange\Figure6_SRC_databox_DRO.mxd - 6/16/2011 @ 11:45:42 AM



SB-004	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Anthracene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Benzo(g,h,i)Perylene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Chrysene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Fluoranthene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Phenanthrene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102
Pyrene	<0.00997 (<0.0106)	<0.00987	<0.00981	<0.0102

SB-005	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0105	<0.00990	<0.0102	<0.00956
Anthracene	<0.0105	<0.00990	<0.0102	<0.00956
Benzo(g,h,i)Perylene	<0.0105	<0.00990	<0.0102	<0.00956
Chrysene	<0.0105	<0.00990	<0.0102	<0.00956
Fluoranthene	<0.0105	<0.00990	<0.0102	<0.00956
Phenanthrene	<0.0105	<0.00990	<0.0102	<0.00956
Pyrene	<0.0105	<0.00990	<0.0102	<0.00956

SB-006	0.5-1 1/20/2010	4-5 1/20/2010	8-9 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	0.0123	<0.0102	<0.00997	<0.00995 (<0.0100)
Anthracene	0.0173	0.0328	<0.00997	<0.00995 (<0.0100)
Benzo(g,h,i)Perylene	<0.102	0.0781 J	<0.0997	<0.00995 (<0.0100)
Chrysene	<0.0102	<0.0102	<0.0997	<0.00995 (<0.0100)
Fluoranthene	0.00720 J	<0.0102	<0.00997	<0.00995 (<0.0100)
Phenanthrene	0.00912 J	<0.0102	<0.00997	<0.00995 (<0.0100)
Pyrene	0.0152	0.0197	<0.00997	<0.00995 (<0.0100)

SB-003	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0103	<0.00978	<0.0103	<0.0106
Anthracene	<0.0103	<0.00978	<0.0103	<0.0106
Benzo(g,h,i)Perylene	<0.0103	<0.00978	<0.0103	<0.0106
Chrysene	<0.0103	<0.00978	<0.0103	<0.0106
Fluoranthene	<0.0103	<0.00978	<0.0103	<0.0106
Phenanthrene	<0.0103	<0.00978	<0.0103	<0.0106
Pyrene	<0.0103	<0.00978	<0.0103	<0.0106

SB-002	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0103	<0.0103	<0.0102	<0.00998
Anthracene	<0.0103	<0.0103	<0.0102	<0.00998
Benzo(g,h,i)Perylene	<0.0103	<0.0103	<0.0102	<0.00998
Chrysene	<0.0103	<0.0103	<0.0102	<0.00998
Fluoranthene	<0.0103	<0.0103	<0.0102	<0.00998
Phenanthrene	<0.0103	<0.0103	<0.0102	<0.00998
Pyrene	<0.0103	<0.0103	<0.0102	<0.00998

SB-007	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0105	<0.00990	<0.0102	<0.0102
Anthracene	<0.0105	<0.00990	<0.0102	<0.0102
Benzo(g,h,i)Perylene	<0.0105	<0.00990	<0.0102	<0.0102
Chrysene	<0.0105	<0.00990	<0.0102	<0.0102
Fluoranthene	<0.0105	<0.00990	<0.0102	<0.0102
Phenanthrene	<0.0105	<0.00990	<0.0102	<0.0102
Pyrene	<0.0105	<0.00990	<0.0102	<0.0102

SB-001	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0103	<0.0101	<0.0107	<0.0103
Anthracene	<0.0103	<0.0101	<0.0107	<0.0103
Benzo(g,h,i)Perylene	<0.0103	<0.0101	<0.0107	<0.0103
Chrysene	<0.0103	0.0153	<0.0107	<0.0103
Fluoranthene	<0.0103	<0.0101	<0.0107	<0.0103
Phenanthrene	<0.0103	<0.0101	<0.0107	<0.0103
Pyrene	<0.0103	<0.0101	<0.0107	<0.0103

SB-008	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
2-Methylnaphthalene	<0.0103	<0.0103	<0.0104	<0.0102 (<0.00970)
Anthracene	0.0150	<0.0103	<0.0104	<0.0102 (<0.00970)
Benzo(g,h,i)Perylene	0.00530 J	<0.0103	<0.0104	<0.0102 (<0.00970)
Chrysene	<0.0103	<0.0103	<0.0104	<0.0102 (<0.00970)
Fluoranthene	<0.0103	<0.0103	<0.0104	<0.0102 (<0.00970)
Phenanthrene	<0.0103	<0.0103	<0.0104	<0.0102 (<0.00970)
Pyrene	<0.0103	<0.0103	<0.0104	<0.0102 (<0.00970)

LEGEND

- BACKGROUND SAMPLE LOCATION
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FIBER OPTIC LINE
- DIRT ROAD
- DRAINAGE
- SWMU162
- GRAVEL PATH

DATABOX KEY:

BORING LOCATION	DEPTH INTERVAL (ft/bgs) DATE
COMPOUND	RESULT (mg/kg)

NOTES:
1. THE SCREENING CRITERIA INCLUDES THE RESIDENTIAL SSL AND THE DAF20 SSL. THE RESIDENTIAL SSL IS THE LOWER OF THE NMED SSL (DECEMBER 2009) OR THE USEPA RSL (2009).
2. YELLOW HIGHLIGHT INDICATES THE REPORTED RESULT EXCEEDS THE PUBLISHED SSLS.
3. ITALICS INDICATES THE REPORTED RESULT EXCEEDS THE NMED DAF 20 SCREENING VALUE.
4. BRACKETS INDICATE THAT THE RESULT SHOWN IS FROM A DUPLICATE FIELD SAMPLE.
5. ONLY THOSE PAH COMPOUNDS REPORTED AT CONCENTRATIONS ABOVE THE REPORTING LIMIT IN AT LEAST ONE SAMPLE ARE SHOWN. ALL OTHER PAH COMPOUNDS WERE BELOW THE REPORTING LIMIT IN ALL SAMPLES.

USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NMED: NEW MEXICO ENVIRONMENT DEPARTMENT
DAF: DILUTION ATTENUATION FACTOR
SSL: SOIL SCREENING LEVEL
RSL: RISK SCREENING LEVEL
J: INDICATES AN ESTIMATED VALUE
<: SAMPLE RESULT WAS NOT DETECTED AT LABORATORY REPORTING LIMIT SHOWN
ft/bgs: FEET BELOW GROUND SURFACE
mg/kg: MILLIGRAM PER KILOGRAM

SOURCE:
BASE MAP PROVIDED BY ZIA, AND RECTIFIED TO DECEMBER 2008 SATELLITE IMAGE.

N

0 50 100 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
PAH CONCENTRATIONS IN SOILS

ARCADIS

FIGURE
7

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BG-003	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.72*	*2.51*	*1.83*	*1.30 (1.22)*
Barium	233	191	57.0	63.2 (75.2)
Cadmium	0.293	0.299 J	0.133 J	0.110 J (0.133 J)
Chromium	10.9	10.8	7.24	9.05 (9.02)
Lead	8.08	7.62	3.74	3.83 (4.48)
Mercury	<0.0536	<0.0454	<0.0477	<0.0444 (<0.0433)
Selenium	2.17	2.01	1.19	1.24 (1.30)
Silver	<0.184	<0.205	<0.198	<0.188 (<0.179)

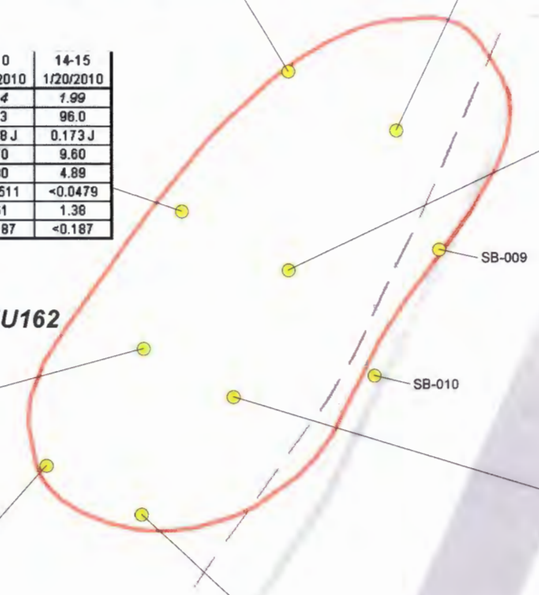
SB-005	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.30*	*1.62*	*1.60*	*1.25*
Barium	191	106	92.8	102
Cadmium	0.235 J	0.126 J	0.116 J	0.142 J
Chromium	9.53	8.41	7.90	8.31
Lead	8.26	4.22	4.05	6.08
Mercury	<0.0469	<0.0486	<0.0498	<0.0486
Selenium	1.91	1.20	1.21	1.60
Silver	<0.190	<0.195	<0.175	<0.199

SB-004	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.39 (2.37)*	*1.33*	*1.09*	*1.66*
Barium	193 (194)	68.9	58.7	50.5
Cadmium	0.290 J (0.264 J)	0.113 J	0.0966 J	0.102 J
Chromium	10.2 (10.5)	8.63	9.25	8.13
Lead	17.4 (7.92)	4.04	3.64	4.33
Mercury	<0.0448 (<0.0475)	<0.0432	<0.0494	<0.0465
Selenium	2.00 (2.14)	1.05	0.983	1.22
Silver	<0.204 (<0.205)	<0.182	<0.182	<0.202

BG-002	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.07*	*1.97*	*1.99*	*1.80*
Barium	148	135	103	87.0
Cadmium	0.191 J	0.162 J	0.146 J	0.132 J
Chromium	10.1	8.87	9.45	6.71
Lead	6.53	5.84	5.17	4.12
Mercury	<0.0447	<0.0449	<0.0480	<0.0444
Selenium	1.81	1.60	1.45	1.43
Silver	<0.200	<0.200	<0.207	<0.177

SB-006	0.5-1 1/20/2010	4-5 1/20/2010	8-9 1/20/2010	14-15 1/20/2010
Arsenic	*11.4*	*1.87*	*1.10*	*2.31 (2.08)*
Barium	338	161	108	64.5 (60.3)
Cadmium	0.491	0.157 J	<0.271	0.152 J (0.124 J)
Chromium	9.46	7.96	5.52	7.84 (7.12)
Lead	371	35.5	10.2	4.46 (4.29)
Mercury	<0.0468	<0.0466	<0.0462	<0.0457 (<0.0481)
Selenium	1.42	1.26	0.825	1.24 (1.41)
Silver	0.132 J	<0.202	<0.180	<0.207 (<0.205)

SB-003	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.32*	*1.20*	*2.14*	*1.99*
Barium	186	91.5	113	96.0
Cadmium	0.253 J	0.156 J	0.158 J	0.173 J
Chromium	9.87	4.57	9.70	9.60
Lead	13.8	4.78	5.80	4.89
Mercury	<0.0505	<0.0506	<0.0511	<0.0479
Selenium	2.21	1.47	1.61	1.38
Silver	<0.204	<0.172	<0.187	<0.187



BG-001	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*1.48*	*1.70*	*2.14*	*1.81*
Barium	71	102	119	192
Cadmium	<0.286	<0.279	0.128 J	0.115 J
Chromium	8.66	8.03	9.32	6.93
Lead	5.28	4.45	5.31	4.59
Mercury	<0.0470	<0.0431	<0.0520	<0.0499
Selenium	1.11	1.25	1.41	1.33
Silver	<0.191	<0.186	<0.199	<0.195

SB-002	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*3.10*	*1.94*	*2.46*	*1.97*
Barium	259	133	134	63.1
Cadmium	0.366	0.193 J	0.247 J	0.159 J
Chromium	13.3	8.07	10.5	7.44
Lead	8.96	5.25	7.50	4.44
Mercury	<0.0522	<0.0506	<0.0442	<0.0444
Selenium	2.53	1.37	2.01	1.14
Silver	<0.211	<0.188	<0.196	<0.192

SB-007	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.79*	*1.81*	*2.11*	*2.17*
Barium	235	122	143	89.8
Cadmium	0.242 J	0.179 J	0.200 J	0.141 J
Chromium	11.4	7.42	11.0	9.16
Lead	12.7	4.79	6.77	4.87
Mercury	<0.0485	<0.0495	<0.0444	<0.0465
Selenium	2.07	1.33	1.57	1.30
Silver	<0.193	<0.201	<0.182	<0.199

SB-001	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.71*	*2.36*	*2.49*	*2.50*
Barium	216	140	113	107
Cadmium	0.324	0.135 J	0.164 J	0.189 J
Chromium	11.4 J	9.39 J	11.7	11.6
Lead	9.69	5.77	7.11	6.91
Mercury	<0.0473	<0.0463	<0.0497	<0.0463
Selenium	2.17	1.58	1.88	1.80
Silver	<0.212	<0.194	<0.205	<0.186

SB-008	0.5-1 1/20/2010	4-5 1/20/2010	9-10 1/20/2010	14-15 1/20/2010
Arsenic	*2.70*	*1.68*	*1.97*	*1.45 (1.55)*
Barium	235	105	93.9	62.9 (66.2)
Cadmium	0.301 J	0.159 J	0.174 J	0.145 J (0.133 J)
Chromium	10.7	8.04	9.28	9.42 (8.57)
Lead	18.0	5.19	6.22	5.12 (5.98)
Mercury	<0.0534	<0.0438	<0.0500	<0.0487 (<0.0480)
Selenium	2.17	1.31	1.62	1.35 (1.48)
Silver	<0.205	<0.186	<0.197	<0.195 (<0.198)

LEGEND

- BACKGROUND SAMPLE LOCATION
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FIBER OPTIC LINE
- DIRT ROAD
- DRAINAGE
- SWMU162
- GRAVEL PATH

DATABOX KEY:

BORING LOCATION	DEPTH INTERVAL (ft/bgs) DATE
COMPOUND	RESULT (mg/kg)

NOTES:
1. THE SCREENING CRITERIA INCLUDES THE RESIDENTIAL SSL AND THE DAF20 SSL. THE RESIDENTIAL SSL IS THE LOWER OF THE NMED SSL (DECEMBER 2009) OR THE USEPA RSL (2009).
2. YELLOW HIGHLIGHT INDICATES THE REPORTED RESULT EXCEEDS THE PUBLISHED SSLS.
3. ITALICS INDICATES THE REPORTED RESULT EXCEEDS THE NMED DAF 20 SCREENING VALUE.
4. BRACKETS INDICATE THAT THE RESULT SHOWN IS FROM A DUPLICATE FIELD SAMPLE.

USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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<: SAMPLE RESULT WAS NOT DETECTED AT LABORATORY REPORTING LIMIT SHOWN
ft/bgs: FEET BELOW GROUND SURFACE
mg/kg: MILLIGRAM PER KILOGRAM

SOURCE:
BASE MAP PROVIDED BY ZIA, AND RECTIFIED TO DECEMBER 2008 SATELLITE IMAGE.

N

0 50 100 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA (SWMU 162)
METALS CONCENTRATIONS IN SOILS

ARCADIS

FIGURE
8

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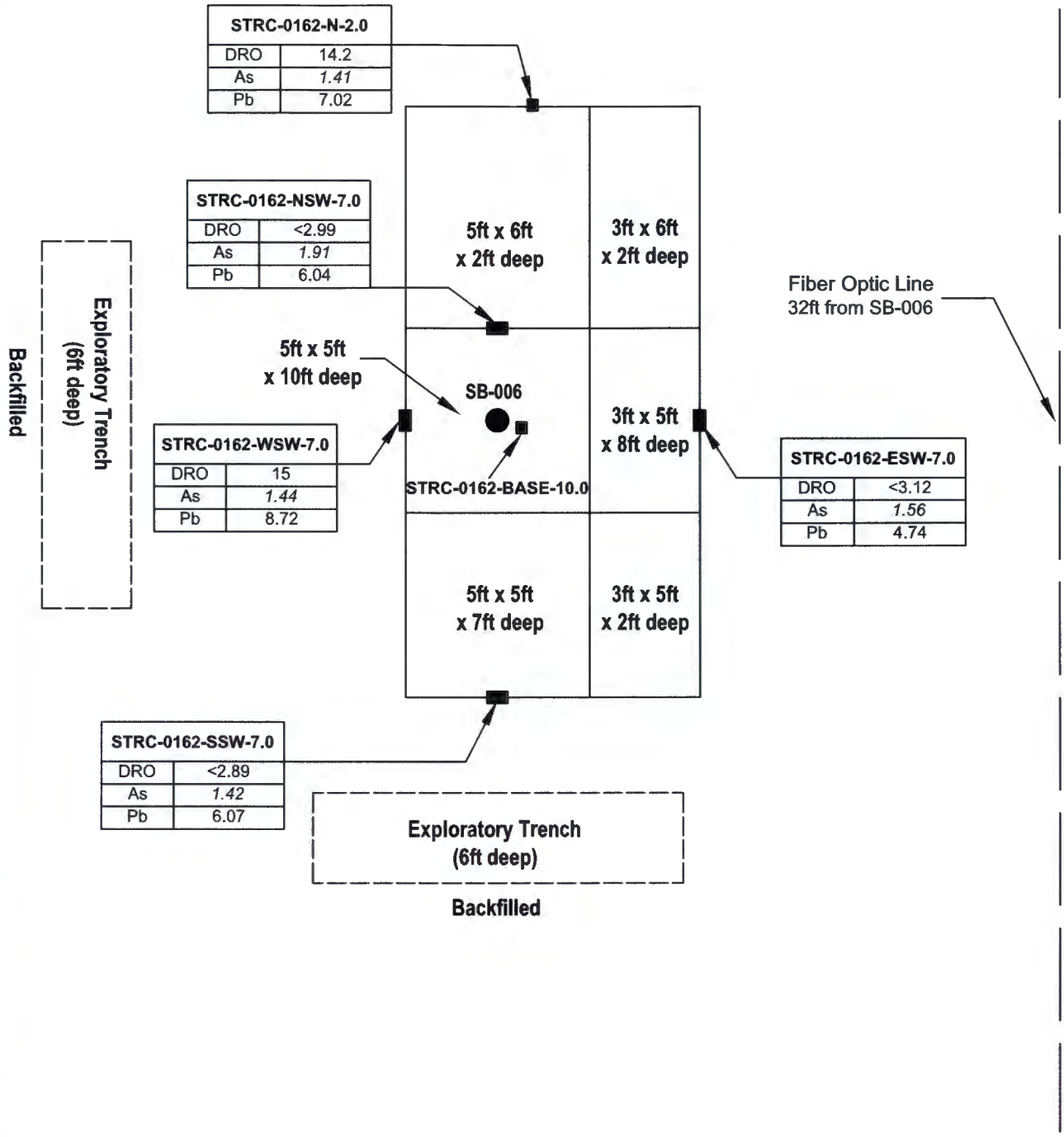

LEGEND

■ CONFIRMATION SAMPLE

NOTES:
1. ALL SAMPLES WERE TAKEN ON 3/18/2011.
2. ALL REPORTED RESULTS ARE IN mg/kg.
3. ITALICS INDICATES THE REPORTED RESULT EXCEEDS THE NMED DAF 20 SCREENING VALUE.
4. ALL PAH COMPOUNDS WERE BELOW DETECTION LIMITS FOR ALL SAMPLES.

ft: FEET
mg/kg: MILLIGRAM PER KILOGRAM
NMED: NEW MEXICO ENVIRONMENT DEPARTMENT
PAH: POLYCYCLIC AROMATIC HYDROCARBONS
DAF: DILUTION ATTENUATION FACTOR

DRO: DIESEL RANGE ORGANICS
As: ARSENIC
Pb: LEAD

SOURCE:
BASE MAP WAS DRAFTED BASED ON ZIA DESCRIPTION.

N

0 2.5 5.0 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

STALLION RANGE CENTER
FORMER FIREFIGHTER TRAINING AREA
(SWMU 162)
RESULTS OF SOIL CONFIRMATION SAMPLES

ARCADIS

FIGURE
9

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ARCADIS

Appendix A

GPR Report

GPRS GROUND PENETRATING RADAR SYSTEMS, INC.

MOUNTAIN DIVISION

"THE NEW WAY TO X-RAY"

January 8, 2010

ZIA Engineering and Environmental
Attn: Brad Davis
755 S. Telshore
F-201
Las Cruces, NM
80241

Subject: Ground Penetrating Radar (GPR) survey to locate Underground Storage Tanks and Utilities at the WSMR in New Mexico.

Table of Contents

1. Overview of GPR
2. Equipment & Capabilities
3. Site Description
4. Summary
5. Images
6. Qualifications
7. Closing

1. Overview of GPR

Ground Penetrating Radar (GPR), also known as surface penetrating radar, is a technology that sends radar pulses into the surface and reflects back off of anomalies below. As the radar pulses pass through differing materials, the radar reflects back to the surface off of anomalies. The anomalies can be interpreted as steel pipes, PVC conduits, underground storage tanks, voids, etc. One of the many advantages of the technology is the ability to locate non-metallic objects as well as determining depth to the object. GPR data acquisition is very fast with immediate results. It is common for an experienced technician to survey a very large area in a day. Although sometimes confused with X-Ray, GPR uses no radiation emissions and is perfectly safe to work with human presence in close proximity.

Figure 1 - GSSI 400 MHz antenna

Figure 2 - GSSI SIR-3000 GPR

2. Equipment and Capabilities

Ground Penetrating Radar (GPR)

- **GSSI SIR – 3000 (fig. 2)**
  - We use a Geophysical Survey Systems Inc (GSSI) SIR-3000 Radar unit. This is the most advanced GPR available. It allows for onsite interpretation, as well as stores data for later processing. This equipment is self-calibrating (see figure 3), allowing more precise depth and location measurements.
  - GSSI is a leading GPR designer and manufacturer. Information can be found at www.geophysical.com
- **400 MHz GSSI antenna (fig. 1)**
  - For this project, we used a 400 MHz antenna with the GPR. This antenna allows data collection to depths of 8'in the Athens, Georgia area. The signal reflects on all objects which are a different conductivity from the substrate (dirt). This reflection is what allows us to "see" objects.

15 May 2006

To Whom It May Concern:

GSSI Radar Controller units and Antennas do not require factory calibration. There are no calibration certificates available. These units have been designed to self-calibrate automatically each time the unit is turned on.

GSSI recommends that Radar Controller units and Antennas be tested every three years to ensure that they meet published performance specifications. To ensure safe and accurate testing, a certified GSSI test system must be used.

Scott Ratté
Field Service & Rental Manager

Geophysical Survey Systems, Inc.

12 Industrial Way
Salem, NH 03079

Tel 603.893.1109 • Fax 603-889-3984
www.geophysical.com • sales@geophysical.com

Figure 3

3. Site Description

Site: WSMR
New Mexico

Date: January 8, 2010

Time: Morning-Early Afternoon

Weather: Cool, Sunny, No Precipitation

Scanning conditions: Excellent

4. Summary

The purpose of this Ground Penetrating Radar (GPR) survey was to determine the existence and location of any Underground Storage Tanks (USTs) or Utilities on two WSMR sites in New Mexico prior to boring. All utilities located are noted in Figures 4 and 5, marked in the field, and were discussed with the onsite representative.

As noted in Figure 4 below three of the locations at the Las Cruces site had utilities located near or in the location for boring. One area was located that contained excessive moisture. It was discussed in the field as well as shown in figure 4.

The GPR scan continued on the WSMR Stallion Range. Although no typical utilities were located in this scan, two of the areas were found to have debris. As noted in figure 5 one area contained a pipe or related item and could be avoided by slightly moving the boring location. A second area was found with high amounts of unknown debris that was also noted in figure 5.

5. Images

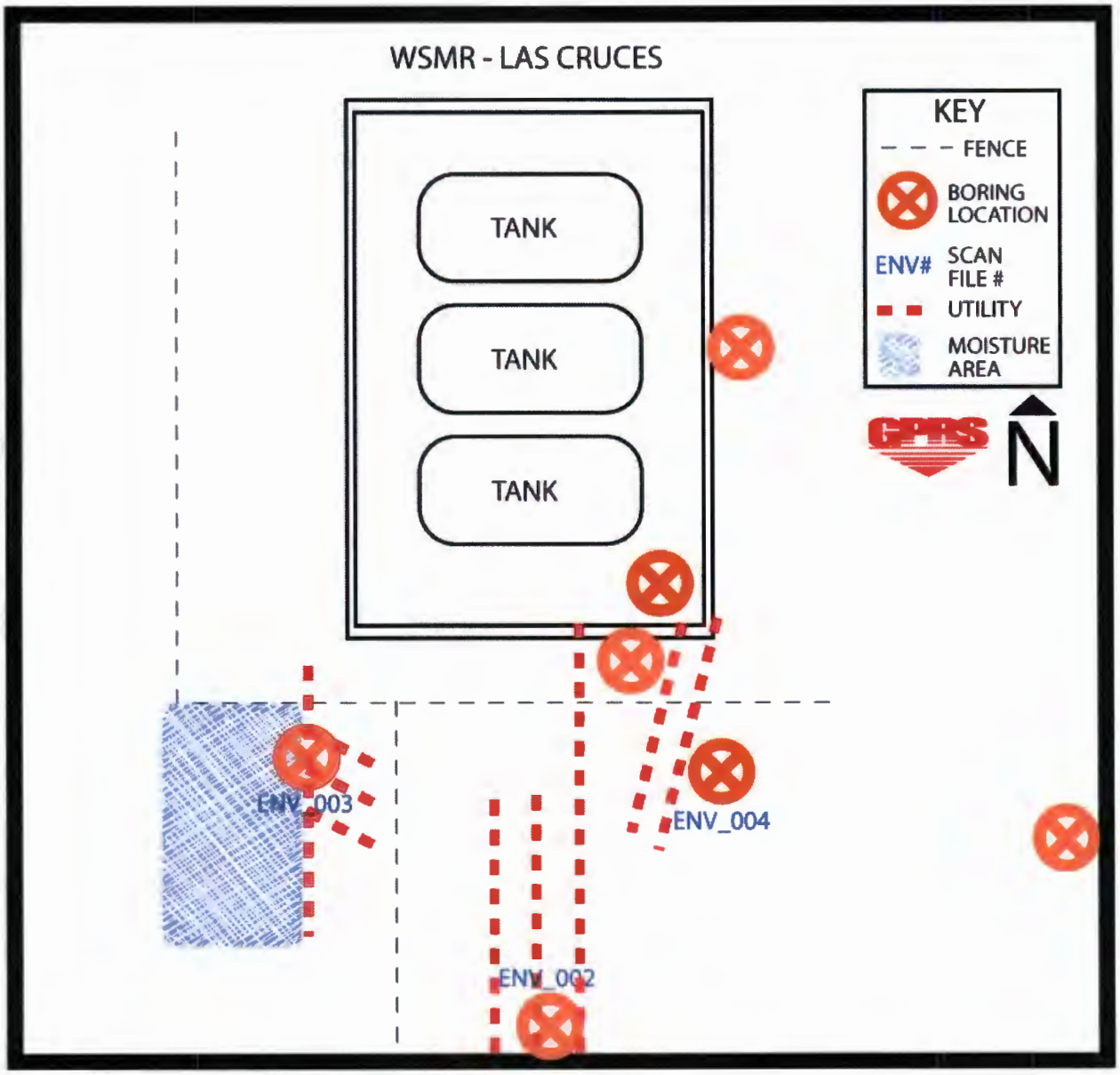

Figure 4 – Diagram of First Scanning site near Las Cruces

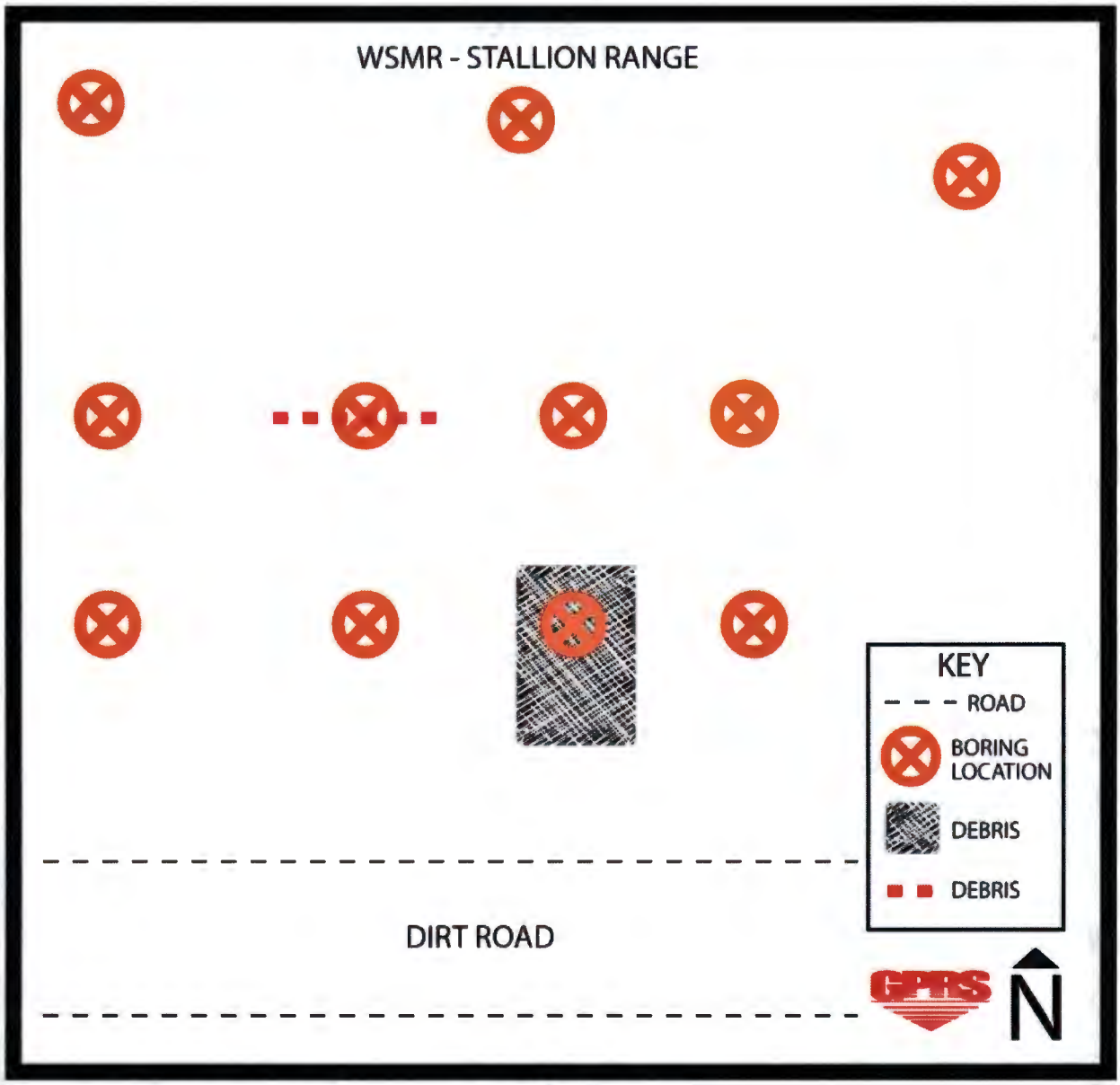

Figure 5 – Diagram of Second Scanning site at Stallion Range

Figure 6 – Photo of First Scanning site near Las Cruces.

Figure 7 – Photo of Second Scanning site, Stallion Range.

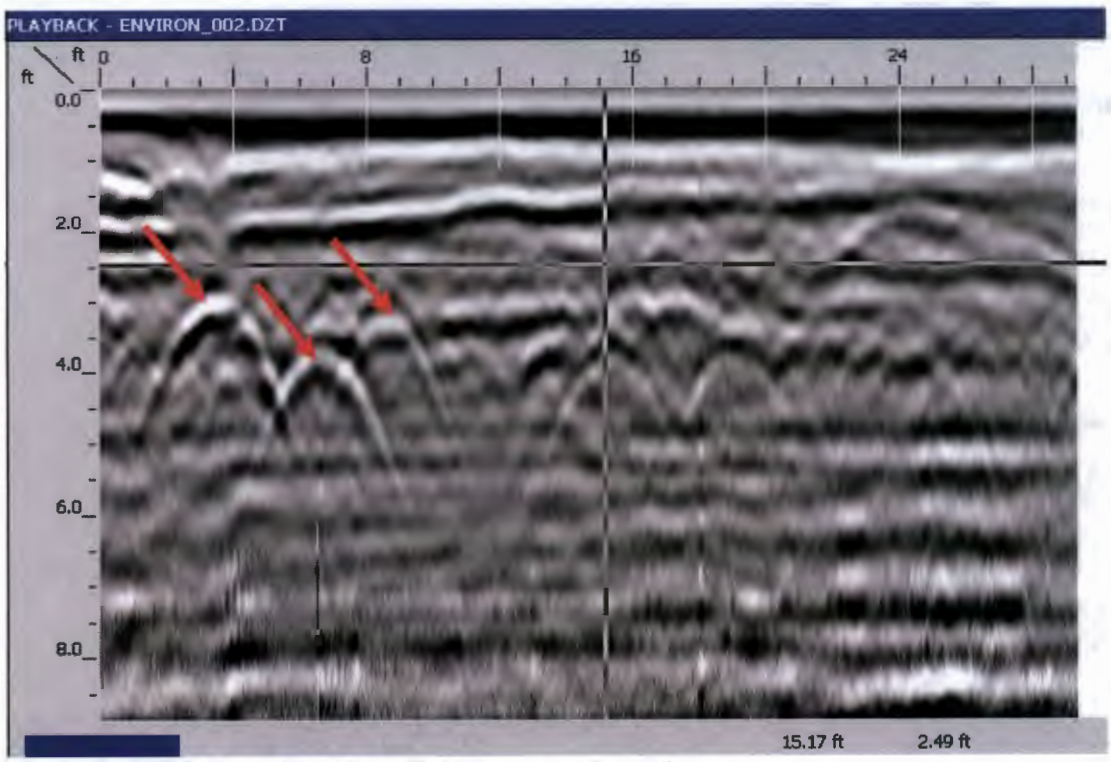

Figure 8 – GPR Data (ENV_002) Pipes noted by red arrows.

Figure 9 – Photo of (ENV_002)

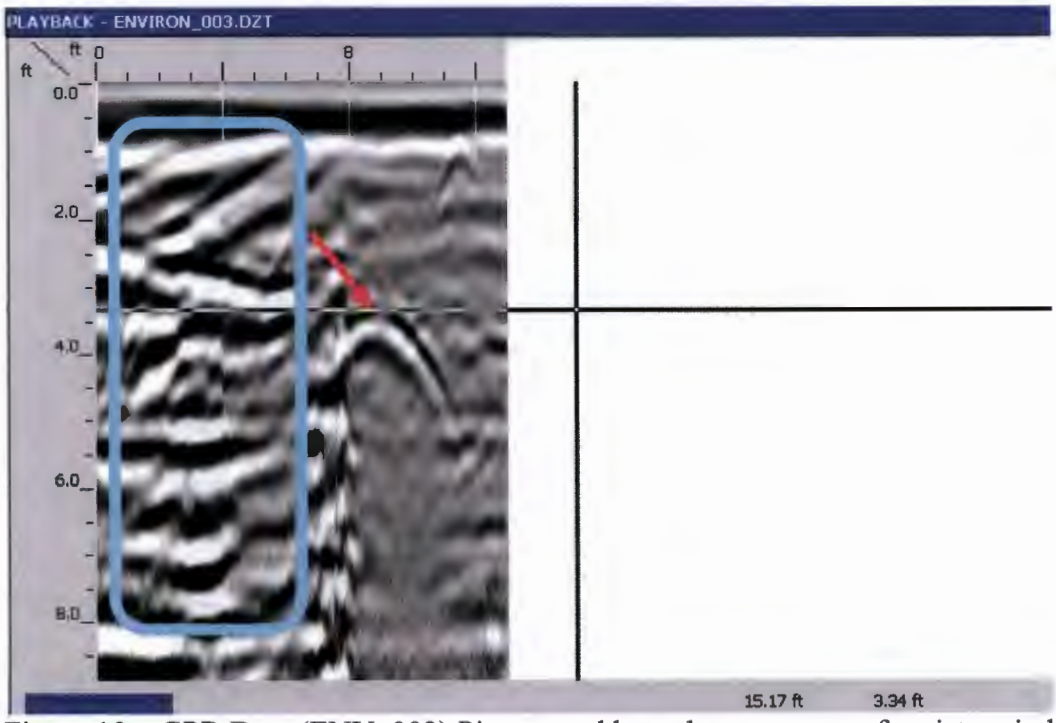

Figure 10 – GPR Data (ENV_003) Pipes noted by red arrows area of moisture in blue square

Figure 11 – Photo of (ENV_003)

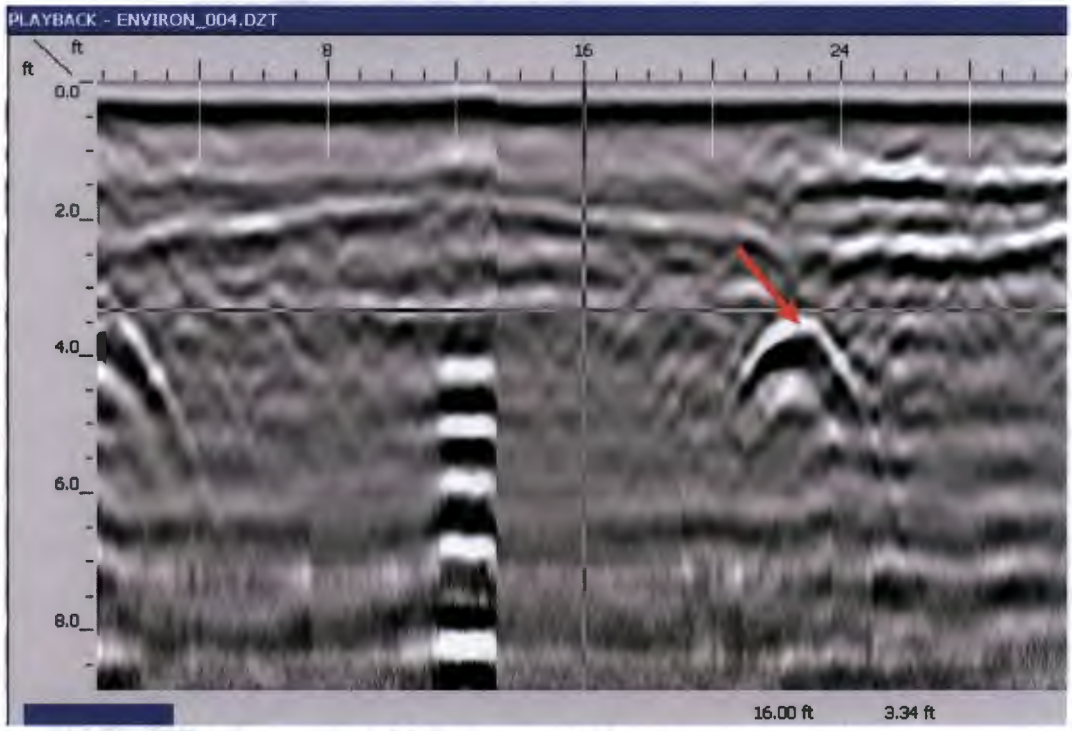

Figure 12 – GPR Data (ENV_004) Pipes noted by red arrow.

Figure 13 – Photo of (ENV_004)

6. Qualifications

Ground Penetrating Radar Systems, Inc. (GPRS) was started in October 2001, by Matt Aston. The original intention in starting this business was to give contractors a reliable way to "see" into concrete slabs in order to avoid cutting embedded electrical conduits and critical reinforcing steel. While GPRS performs this work on a regular basis, there are many other applications in which we use Ground Penetrating Radar to benefit our customer base.

In the past seven years, GPRS has completed over 3,500 jobs as a company. In 2008, 89% of the work GPRS performed was either repeat business or business that we were referred by one of our customers. We are proud of this number and believe it speaks to the level of satisfaction our customers have with the type of service we perform.

All of our technicians are GPR certified by GSSI and have gone through extensive training with a GPRS senior technician. Our technicians also are PTI Level 1 certified.

7. Closing

Thank you for the opportunity to serve you on this project. I hope this report has answered all the questions you had regarding this survey. However if there is anything you have questions about or feel was omitted, please do not hesitate to call.

Thank you,

Jason Schaff
303.945.5415
Jason.Schaff@gp-radar.com

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Appendix B

Boring Logs

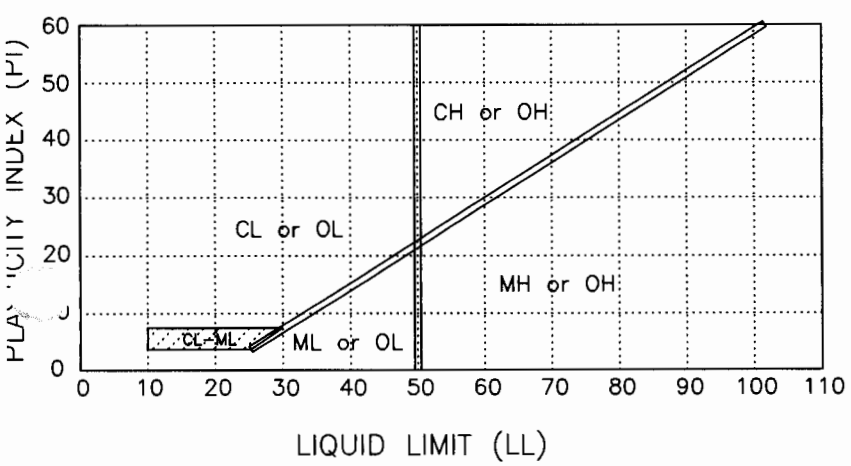
UNIFIED SOIL CLASSIFICATION SYSTEM

Soils are visually classified by the United Soil Classification System (USCS) on the boring logs presented in this report. Grain size analysis and Atterberg limits tests are often performed on selected samples to aid in classification. The classification system is briefly outlined on this chart. For a more detailed description of the system, see "The Unified Soil Classification System" Corps of Engineers, US Army Technical Memorandum No. 3–357 (Revised April 1960) or ASTM Designation: D2487–66T.

MAJOR DIVISIONS				GROUP SYMBOL	TYPICAL NAMES
COARSE – GRAINED SOILS (Less than 50% passes No. 200 sieve)	GRAVELS (50% or less of coarse fraction passes No. 4 sieve)	CLEAN GRAVELS (Less than 5% passes No. 200 sieve)		GW	Well graded gravels, gravel–sand mixtures, or sand–gravel–cobble mixtures.
				GP	Poorly graded gravels, gravel–sand mixtures, or sand–gravel–cobble mixtures.
		GRAVELS WITH FINES (More than 12% passes No. 200 sieve)	Limits plot below the "A" line & hatched zone on plasticity chart	GM	Silty gravels, gravel–sand–silt mixtures.
			Limits plot above the "A" line & hatched zone on plasticity chart	GC	Clayey gravels, gravel–sand–clay mixtures.
	SANDS (More than 50% of coarse fraction passes No. 4 sieve)	CLEAN SANDS (Less than 5% passes No. 200 sieve)		SW	Well graded sands, gravelly sands.
				SP	Poorly graded sands, gravelly sands.
		SANDS WITH FINES (More than 12% passes No. 200 sieve)	Limits plot below the "A" line & hatched zone on plasticity chart	SM	Silty sands, sand–silt mixtures.
			Limits plot above the "A" line & hatched zone on plasticity chart	SC	Clayey sands, sand–clay mixtures.
SOILS (50% or more passes No. 200 sieve)	SILTS (Limits Plot Below "A" Line & hatched Zone on Plasticity Chart)	SILTS OF LOW PLASTICITY (Liquid Limit Less Than 50)		ML	Inorganic silts, non–plastic or slightly plastic.
		SILTS OF HIGH PLASTICITY (Liquid Limit More Than 50)		MH	Inorganic silts, micaceous or diatomaceous silty soils, elastic silts.
	CLAYS (Limits Plot Above "A" Line & hatched Zone on Plasticity Chart)	CLAYS OF LOW PLASTICITY (Liquid Limit Less Than 50)		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
		CLAYS OF HIGH PLASTICITY (Liquid Limit More Than 50)		CH	Inorganic clays of high plasticity, fat clays, sandy clays of high plasticity.

NOTE:
Coarse grained soils with between 5% & 12% passing the No. 200 sieve and fine grained soils with Atterberg limits plotting in the hatched zone on the plasticity chart shall have dual symbol. In Arizona, local streams contain sand, gravel & cobble type material, which are locally known as SGC or riverrun material. The USCS is not used to divide and symbolize this material.

PLASTICITY CHART



DEFINITIONS OF SOIL FRACTIONS

SOIL COMPONENT	PARTICLE SIZE RANGE
Cobbles	Above 3 in.
Gravel	3 in. to No. 4 sieve
Coarse gravel	3 in. to 3/4 in.
Fine gravel	3/4 in. to No. 4 sieve
Sand	No. 4 to No. 200
Coarse	No. 4 to No. 10
Medium	No. 10 to No. 40
Fine	No. 40 to No. 200
Fines (silt & clay)	Below No. 200 sieve
Clay	Smaller than 2 microns
Colloid	Smaller than 5 microns

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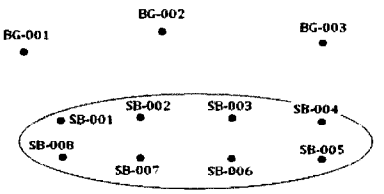
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	BG-001	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 0800	DEVELOP START	N/A
FINISH	1-20-10 0836	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	111	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod brn 5yr 4/4	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	0	45	Y	4-5
	5	SW	Well graded sand	Lt brown 5yr 5/6	Fine to coarse sand - few pebbles	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	7	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	8	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	0	121	Y	9-10
	10	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand 5yr 5/6	D	CB	N/A	100	N/A	N/A	N	N/A
	12	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med sand, minor caliche, 5yr 6/4	D	CB	N/A	100	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med, mostly fine	D	CB	N/A	100	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine grained sand	D	CB	N/A	100	0	128	Y	14-15
	15	SW	Well graded fine to med	Lt brown 5yr 5/6	Fine to med grained sand & pebbles w/clay & w/caliche	D	CB	N/A	100	N/A	N/A	N	N/A
					TD - 15 Ft.								

ase refer to the notes page at the end of Appendix B for details and definitions

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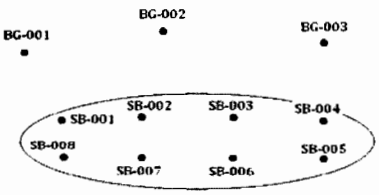
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	BG-002	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 0855	DEVELOP START	N/A
FINISH	1-20-10 0929	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med grained sand w/silt	D	HA	N/A	N/A	0	115	Y	0.5-1
HA	1	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod brn 5yr 4/4	Fine grained sand w/silt & few medium grains	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod brn 5yr 4/4	Fine grained sand w/silt & few medium grains	D	CB	N/A	100	0	121	Y	4-5
	5	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to medium grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	7	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand	D	CB	N/A	100	N/A	N/A	N	N/A
	8	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/caliche	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/caliche	D	CB	N/A	100	N/A	N/A	Y	9-10
	10	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11				No Recovery								
	12	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med grained sand w/caliche few pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	5yr 6/4	Fine to med sand few pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	5yr 6/4	Fine to med grained sand w/caliche	D	CB	N/A	80	N/A	N/A	Y	14-15
	15	SP	Poorly graded sand	5yr 6/4	Fine to med grained sand w/caliche & pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
					TD - 15 Ft.								

ase refer to the notes page at the end of Appendix B for details and definitions

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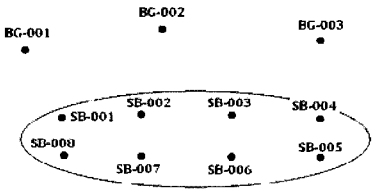
Boring Log

NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE ___1___
18	WSMR	SRC Firefighter Training Area	BG-003	OF ___1__

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 0940	DEVELOP START	N/A
FINISH	1-20-10 1020	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	115	Y	0.5-1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod brown	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod brown	Fine grained sand w/silt	D	CB	N/A	100	0	120	Y	4-5
	5	SP	Poorly graded sand	Light brown	5Yr 6/4 Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	6	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	7	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand	D	CB	N/A	100	N/A	N/A	N	N/A
	8	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/caliche	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/caliche	D	CB	N/A	100	0	125	Y	9-10
	10	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med gained sand w/clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand	D	CB	N/A	100	N/A	N/A	N	N/A
	12	SP	Poorly graded sand	Lt brown 5yr 6/4	Fine to med grained sand w/caliche few pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	5yr 6/4	Fine to med sand few pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	5yr 6/4	Fine to med grained sand w/caliche	D	CB	N/A	80	0	120	Y	14-15
	15	SP	Poorly graded sand	5yr 6/4	Fine to med grained sand w/caliche & pebbles	D	CB	N/A	80	N/A	N/A	N	N/A
					TD - 15 Ft.								

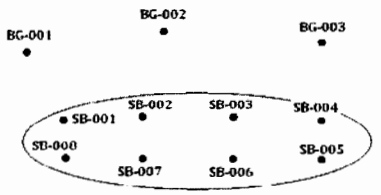
Please refer to the notes page at the end of Appendix B for details and definitions

ARCADIS
Boring Log

NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE ___1__
18	WSMR	SRC Firefighter Training Area	SB-001	OF ___1___

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1040	DEVELOP START	N/A
FINISH	1-20-10 1112	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	155	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand well sorted w/silt	D	CB	N/A	100	0	171	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand well sorted w/silt	D	CB	N/A	100	0	142	Y	4-5
	5	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6				No Recovery								
	7	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to Med grained sand 5yr 5/6	D	CB	N/A	80	0	143	N	N/A
	8	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to med gained sand	D	CB	N/A	80	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine grained sand w/silt well sorted	D	CB	N/A	80	0	145	Y	9-10
	10	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine grained sand w/silt little clay	D	CB	N/A	80	N/A	N/A	N	N/A
CORE	11				No Recovery								
	12	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to Med grained sand w/silt	D	CB	N/A	80	0	144	N	N/A
	13	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to Med grained sand w/silt	D	CB	N/A	80	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine to med grained sand w/silt, clay & caliche	D	CB	N/A	80	0	145	Y	14-15
	15	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine to med grained sand w/silt, clay and caliche	D	CB	N/A	80	N/A	N/A	N	N/A
					TD - 15 Ft.								

Please refer to the notes page at the end of Appendix B for details and definitions

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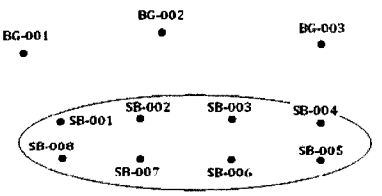
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-002	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1120	DEVELOP START	N/A
FINISH	1-20-10 1152	FINISH	N/A
STATIC DTW	N/A TIME N/A	DRILLED BY	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND		LOGGED BY	BRADLEY DAVIS
TOC			Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	143	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	CB	N/A	100	0	135	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	CB	N/A	100	0	128	Y	4-5
	5	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine grained sand w/silt 5yr 5/6	D	CB	N/A	100	N/A	N/A	N	N/A
	7	SP	Poorly graded	Mod Brown	Fine to Med	D	CB	N/A	100	0	125	N	N/A
	8	SW	Well graded sand w/gravel	Lt bwn 5YR 6/4	Fine to coarse sand w/gravel	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to coarse sand w/caliche	D	CB	N/A	100	0	123	Y	9-10
	10	SP	Poorly graded sand	Lt bwn 5YR 6/4	V Fine grained sand w/silt & clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11	SP	Poorly graded sand	Lt bwn 5YR 6/4	V Fine to med sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	12	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand	D	CB	N/A	100	0	125	N	N/A
	13	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand	D	CB	N/A	100	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt & clay	D	CB	N/A	100	0	132	Y	14-15
	15	SP	Poorly graded sand	Lt brown 5yr 5/6	fine to med grained sand w/silt & clay	D	CB	N/A	100	N/A	N/A	N	N/A
					TD - 15 Ft.								

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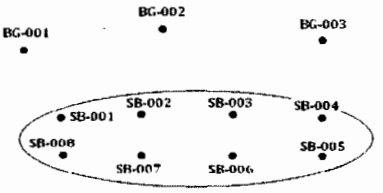
CADIS
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-003	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1240	DEVELOP START	N/A
FINISH	1-20-10 1301	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method		DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
			SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	135	Y	0.5 -1
	H A	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
		2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	C O R E	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	100	0	125	N	N/A
		4	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel up to 25mm subrounded	D	CB	N/A	100	0	110	Y	4-5
		5	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	CB	N/A	100	N/A	N/A	N	N/A
		6				No Recovery								
	C O R E	7	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	CB	N/A	80	0	115	N	N/A
		8	SW	Well graded sand w/gravel		Fine to coarse sand w/gravel	D	CB	N/A	80	N/A	N/A	N	N/A
		9	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	CB	N/A	80	0	112	Y	9-10
		10	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt little caliche	D	CB	N/A	80	N/A	N/A	N	N/A
	C O R E	11				No Recovery								
		12				No Recovery								
		13				No Recovery								
		14	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt & clay	D	CB	N/A	20	0	128	Y	14-15
		15	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt & clay	D	CB	N/A	20	0	128	N	N/A
						TD - 15 Ft.								

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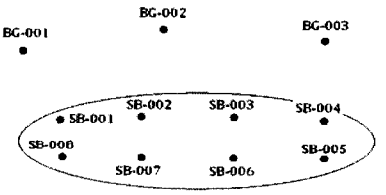
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE ___1___
18	WSMR	SRC Firefighter Training Area	SB-004	OF ____1__

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1315	DEVELOP START	N/A
FINISH	1-20-10 1343	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	120	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	122	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	N/A	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	N/A	0	116	Y	4-5
	5	SW	Well graded sand	Lt bwn 5YR 6/4	Fine to coarse sand w/pebbles up to 15mm	D	CB	N/A	N/A	N/A	N/A	N	N/A
CORE	6				No Recovery								
	7	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to med grained sand w/granules & silt	D	CB	N/A	N/A	0	115	N	N/A
	8	SW	Well graded sand	Lt bwn 5YR 6/4	Fine to coarse sand w/ granules	D	CB	N/A	N/A	N/A	N/A	N	N/A
	9	SW	Well graded sand	Lt bwn 5YR 6/4	Fine to coarse sand w/pebbles	D	CB	N/A	N/A	0	120	Y	9-10
	10	SW	Well graded sand	Lt bwn 5YR 6/4	Fine to coarse sand w/pebbles up to 25 mm	D	CB	N/A	N/A	N/A	N/A	N	N/A
CORE	11	GW-GC	Well graded gravel w/sand	Lt bwn 5YR 6/4	Gravel & sand rounded to sub increasing up to 50mm gravel	D	CB	N/A	N/A	0	117	N	N/A
	12	GW-GC	Well grad. gvl w/clay and sand	Lt bwn 5YR 6/4	gravel with clay and coarse sand	D	CB	N/A	N/A	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt & clay	D	CB	N/A	N/A	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt & clay	D	CB	N/A	N/A	0	118	Y	14-15
	15	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt & clay	D	CB	N/A	N/A	N/A	N/A	N	N/A
					TD - 15 Ft.								

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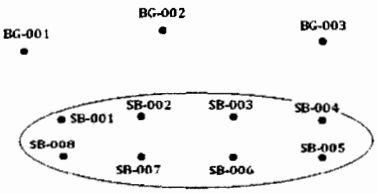
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-005	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1400	DEVELOP START	N/A
FINISH	1-20-10 1435	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	135	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	137	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	100	0	139	Y	4-5
	5	SP	Poorly graded sand w/silt	Lt brown 5yr 5/6	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6				No Recovery								
	7	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	N/A	N/A	80	0	135	N	N/A
	8	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	N/A	N/A	80	N/A	N/A	N	N/A
	9	SW	Well graded sand	Lt brown 5yr 5/6	Fine to coarse sand w/gravel up to 20 mm	D	N/A	N/A	80	0	130	Y	9-10
	10	SW	Well graded sand	Lt brown 5yr 5/6	Fine to coarse sand w/gravel up to 20 mm	D	N/A	N/A	80	N/A	N/A	N	N/A
CORE	11				No Recovery								
	12				No Recovery								
	13	SW	Well graded sand w/gravel	Lt brown 5yr 5/6	Fine to coarse sand w/gravel up to 20 mm	D	N/A	N/A	60	N/A	N/A	N	N/A
	14	GW	Well graded gravel w/sand	Lt brown 5yr 5/6	Gravel up to 50mm w/fine to coarse sand subrounded	D	N/A	N/A	60	0	131	Y	14-15
	15	GW	Well graded gravel w/sand	Lt brown 5yr 5/6	Gravel up to 50mm w/fine to coarse sand subrounded	D	N/A	N/A	60	N/A	N/A	N	N/A
					TD - 15 Ft.								

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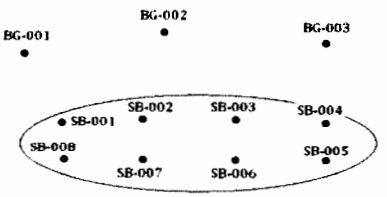
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-006	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1445	DEVELOP START	N/A
FINISH	1-20-10 1518	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	120	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine to med grained sand w/silt	D	CB	N/A	100	0	125	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine to med grained sand w/silt & clay	D	CB	N/A	100	0	126	Y	4-5
	5	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt & clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6				No Recovery								
	7	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	M	CB	N/A	80	N/A	N/A	N	N/A
	8	SW	Well graded sand	Lt brown 5yr 5/6	Fine to coarse grained sand. Faint hydrocarbon smell.	M	CB	N/A	80	0	125	Y	8-9
	9	SW	Well graded sand w/gravel	Lt brown 5yr 5/6	Fine to coarse grained sand w/gravel up to 30mm subround to subang	D	CB	N/A	80	N/A	N/A	N	N/A
	10	SC	Clayey Sand	Lt brown 5yr 5/6	Fine to med grained sand w/clay	D	CB	N/A	80	N/A	N/A	N	N/A
CORE	11	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine grained sand w/silt	D	CB	N/A	100	0	130	N	N/A
	12	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained w/silt & clay, minor caliches	D	CB	N/A	100	0	131	N	N/A
	14	SP	Poorly graded sand w/caliche	White	Medium grained sand cemented with caliche	D	CB	N/A	100	N/A	N/A	Y	14-15
	15	SP	Poorly graded sand w/caliche	White	Medium grained sand cemented with caliche	D	CB	N/A	100	0	130	N	N/A
					TD - 15 Ft.								

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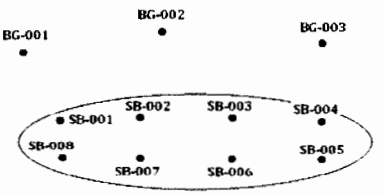
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-007	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1535	DEVELOP START	N/A
FINISH	1-20-10 1607	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	130	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	CB	N/A	100	0	114	Y	4-5
	5	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	CB	N/A	100	0	114	N	N/A
	7	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	8	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse grained sand w/gravel up to 20mm subrounded	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine grained sand w/silt & clay	D	CB	N/A	100	0	116	Y	9-10
	10	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine grained sand w/silt & clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11		Poorly graded sand	Lt brown 5yr 5/6	Fine grained sand w/silt	D	CB	N/A	100	0	118	N	N/A
	12	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	13	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained w/silt & clay, minor caliche	D	CB	N/A	100	N/A	N/A	N	N/A
	14	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained w/silt & clay, minor caliche	D	CB	N/A	100	0	120	Y	14-15
	15	SP	Poorly graded sand	Lt brown 5yr 5/6	Fine to med grained w/silt & clay, minor caliche	D	CB	N/A	100	N/A	N/A	N	N/A
					TD - 15 Ft.								

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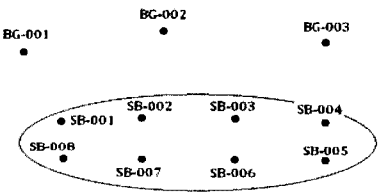
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
18	WSMR	SRC Firefighter Training Area	SB-008	1 OF 1

DRILLING METHOD	HOLLOW STEM AUGER	SAMPLING METHOD	CORE BARREL
DRILLING START	1-20-10 1615	DEVELOP START	N/A
FINISH	1-20-10 1704	FINISH	N/A
STATIC DTW	N/A TIME N/A	Drilled By:	RABA KISTNER
DTO	N/A DATE N/A		MANNY DUENEZ
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION N →



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	118	Y	0.5 -1
HA	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
CORE	3	SP	Poorly graded sand	Mod brown	V Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	4	SP	Poorly graded sand	Mod brown	V Fine grained sand w/silt	D	CB	N/A	100	0	120	Y	4-5
	5	SP	Poorly graded sand	Light brown	Fine to med grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	6	SP	Poorly graded sand	Light brown	Fine grained sand w/silt	D	CB	N/A	100	0	120	N	N/A
	7	SP	Poorly graded sand	Light brown	Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	8	SP	Poorly graded sand	Mod brown	V Fine to Fine grained sand w/silt	D	CB	N/A	100	N/A	N/A	N	N/A
	9	SP	Poorly graded sand	Mod brown	V Fine to Fine grained sand w/silt	D	CB	N/A	100	0	121	Y	9-10
	10	SP	Poorly graded sand	Mod brown	V Fine grained w/silt & clay	D	CB	N/A	100	N/A	N/A	N	N/A
CORE	11				No Recovery								
	12	SP	Poorly graded sand	Light brown	V Fine grained sand w/silt	D	CB	N/A	80	0	122	N/A	N/A
	13	SP	Poorly graded sand	Light brown	V Fine grained sand w/silt	D	CB	N/A	80	N/A	N/A	N/A	N/A
	14	SP	Poorly graded sand	Mod brown	Fine to med sand w/silt & clay	D	CB	N/A	80	N/A	N/A	Y	14-15
	15	SP	Poorly graded sand	Mod brown	Fine to med sand w/silt & clay	D	CB	N/A	80	0	125	N	N/A
					TD - 15 Ft.								

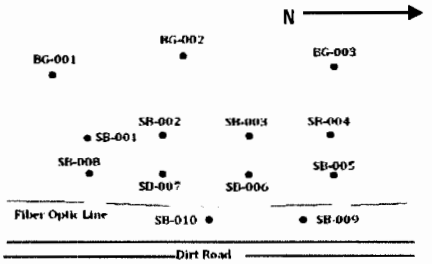
ıse refer to the notes page at the end of Appendix B for details and definitions

ARCADIS
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE ___1___ OF ___1__
22	WSMR	SRC Firefighter Training Area	SB-009	

DRILLING METHOD	Hand Auger	SAMPLING METHOD	Hand Auger Barrel
DRILLING START	4-8-10 1302	DEVELOP START	N/A
FINISH	4-8-10 1433	FINISH	N/A
STATIC DTW	N/A TIME N/A	DRILLED BY	Gabriel Garcia and John Padilla
DTO	N/A DATE N/A		
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
HAND AUGER		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	128	Y	0.5 -1
	1	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	4	SW	Well graded sand w/gravel	Mod bwn 5yr 4/4	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	0	125	Y	4.5 - 5
	5	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	6	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	7	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	8	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel	D	HA	N/A	N/A	0	128	Y	8.5 - 9
	9	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	10	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt little caliche	D	HA	N/A	N/A	N/A	N/A	N	N/A
	11	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	N/A	N/A	N	N/A
	12	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	0	130	Y	12.5 - 13
	13	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	N/A	N/A	N	N/A
					TD - 15 Ft.								

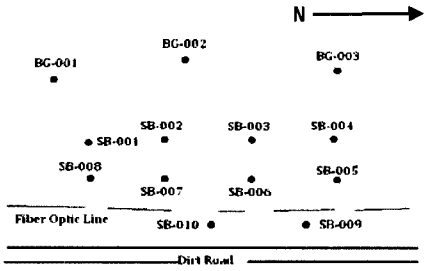
Please refer to the notes page at the end of Appendix B for details and definitions

ARCADIS
Boring Log

JOB NUMBER	CLIENT	LOCATION	BORING/WELL ID	PAGE
22	WSMR	SRC Firefighter Training Area	SB-010	1 OF 1

DRILLING METHOD	Hand Auger	SAMPLING METHOD	Hand Auger Barrel
DRILLING START	4-8-10 1124	DEVELOP START	N/A
FINISH	4-8-10 1300	FINISH	N/A
STATIC DTW	N/A TIME N/A	DRILLED BY	Gabriel Garcia and John Padilla
DTO	N/A DATE N/A		
ELEV. GROUND	N/A	LOGGED BY	BRADLEY DAVIS
TOC	N/A		Zia Engineering and Environmental Consultants

BORING/ WELL LOCATION



Drilling and/or Sample Method	DEPTH FEET	USCS Symbol	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS	MOISTURE	SAMPLING DEVICE	BLOW COUNT	PERCENT RECOVERY	OVM/PID (PPM)	AIR TEMP (°F)	Lab Sample	Depth of Analytical Sample
HAND AUGER		SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	0	105	Y	0.5 -1
	1												
	2	SP	Poorly graded sand	Lt bwn 5YR 6/4	Fine to medium grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	3	SP	Poorly graded sand	Mod bwn 5YR 4/4	V Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	4	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	2.3	105	Y	
													4.5 - 5
	5	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	6	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 30mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	7	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel up to 25mm subrounded	D	HA	N/A	N/A	N/A	N/A	N	N/A
	8	SW	Well graded sand w/gravel	Lt brown 5yr 6/7	Fine to coarse sand w/gravel	D	HA	N/A	N/A	0	115	Y	
													8.5 - 9
	9	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	10	SP	Poorly graded sand	Mod bwn 5YR 4/4	Fine grained sand w/silt	D	HA	N/A	N/A	N/A	N/A	N	N/A
	11	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	N/A	N/A	N	N/A
	12	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	N/A	N/A	N	N/A
	13	SW	Well graded sand w/gravel	Mod bwn 5YR 4/4	Fine to coarse sand w/gravel	D	HA	N/A	N/A	0	125	Y	13 - 13.5
					TD - 13.5 Ft.								

Please refer to the notes page at the end of Appendix B for details and definitions

Notes:

Lithology classification was completed in accordance with the Unified Soil Classification System (USCS). All abbreviations are in accordance with the USCS.

Air temperature is in degrees Fahrenheit and was recorded from the heated truck cab where samples were placed for heated headspace analysis.

MultiRAE Plus PID Monitor with 10.6 eV lamp was used for PID measurement.

D - Dry
M - Moist
HA - Hand Auger
CB - Core Barrel
N/A - Not Applicable
Y - Yes, chem sample collected
N - No chem sample collected
TOC - Top of Casing
DTW - Depth to Water
DTP - Depth to Product
ELEV - elevation
WSMR - White Sands Missile Range
YR - yellow/red in the Munsell Color System
ft - Feet

SP - Poorly graded sand
SW - Well Graded Sands, Gravelly Sands
SC - Clayey sands, Sand-Clay mixtures
Mod - moderate
Brn - brown
Lt - light
Dk - dark
ppm - parts per million
mm - millimeter
TD - total depth
Temp - Temperature
USCS - Unified Soil Classification System
y - yellow in the Munsell Color System
^{o}F - degrees Fahrenheit

ARCADIS

Appendix C

Data Validation Reports and
Laboratory Analytical Reports

February 05, 2010

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

Order No: 1001149

TEL: (575) 678-3397
FAX: (575) 532-1587

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 55 sample(s) on 1/22/2010 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-09-1

Table of Contents

Miscellaneous Documents 3

Case Narrative 19

Sample Summary 22

Prep Dates Report 24

Analytical Dates Report 34

Sample Results 44

Analytical QC Summary Report 179

DHL WO #: 1001149

zia engineering & environmental consultants, llc
J. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 ll
575-532-1561 f

CHAIN OF CUSTODY RECORD

PROJECT NO. 18

PROJECT NAME SRC FFTA

SAMPLER'S SIGNATURE Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	RCRA 8 metals	VOCs	GRO/DRO	PAHs							REMARKS
1-20-10	0832	STRC-0162-BG-001-(0.5-1.0)	Soil	01	1	X										Note: Trip Blank Lab No. 19
1-20-10	0816	STRC-0162-BG-001-(4.0-5.0)	Soil	02	1	X										VOCs - STRC-0162-
1-20-10	0838	STRC-0162-BG-001-(14.0-15.0)	Soil	03	1	X										TB-005-0110
1-20-10	0830	STRC-0162-BG-001-(9.0-10.0)	Soil	04	1	X										1708 1-20-10
1-20-10	0931	STRC-0162-BG-002-(14.0-15.0)	Soil	05	1	X										
1-20-10	0914	STRC-0162-BG-002-(4.0-5.0)	Soil	06	1	X										
1-20-10	0900	STRC-0162-BG-002-(0.5-1.0)	Soil	07	1	X										
1-20-10	1020	STRC-0162-BG-103-(14.0-15.0)	Soil	08	1	X										
1-20-10	1020	STRC-0162-BG-003-(14.0-15.0)	Soil	09	1	X										
1-20-10	1017	STRC-0162-BG-003-(9.0-10.0)	Soil	10	1	X										
1-20-10	0945	STRC-0162-BG-003-(0.5-1.0)	Soil	11	1	X										
1-20-10	1004	STRC-0162-BG-003-(4.0-5.0)	Soil	12	1	X										
1-20-10	0924	STRC-0162-BG-002-(9.0-10.0)	Soil	13	1	X										
1-20-10	1634	STRC-0162-SB-008-(0.5-1.0)	Soil	14	3	X	X	X	X							
1-20-10	1645	STRC-0162-SB-008-(4.0-5.0)	Soil	15	3	X	X	X	X							
1-20-10	1657	STRC-0162-SB-008-(9.0-10.0)	Soil	16	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-008-(14.0-15.0)	Soil	17	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-108-(14.0-15.0)	Soil	18	3	X	X	X	X							

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER Brad Davis	SAMPLES RECEIVED		Bradley T. Davis	FED EX	A. Kuhaneck
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	3.3°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 4.0°C Therm #: 57 Custody seal intact		

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Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

DHL WO #: 1001149

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 Metals 6010B	DRO/GRO 8015							REMARKS
1-20-10	1240	STRC-0162-SB-003-(0.5-1.0)	Soil	20	3	X	X	X	X							
1-20-10	1250	STRC-0162-SB-003-(4.0-5.0)	Soil	21	3	X	X	X	X							
1-20-10	1307	STRC-0162-SB-003-(14.0-15.0)	Soil	22	3	X	X	X	X							(14.0-15.0)
1-20-10	1256	STRC-0162-SB-003-(9.0-10.0)	Soil	23	3	X	X	X	X							
1-20-10	1322	STRC-0162-SB-104-(0.5-1.0)	Soil	24	3	X	X	X	X							
1-20-10	1312	STRC-0162-SB-004-(0.5-1.0)	Soil	25	3	X	X	X	X							
1-20-10	1332	STRC-0162-SB-004-(4.0-5.0)	Soil	26	3	X	X	X	X							
1-20-10	1339	STRC-0162-SB-004-(9.0-10.0)	Soil	27	3	X	X	X	X							
1-20-10	1345	STRC-0162-SB-004-(14.0-15.0)	Soil	28	3	X	X	X	X							
1-20-10	1410	STRC-0162-SB-005-(0.5-1.0)	Soil	29	3	X	X	X	X							
1-20-10	1420	STRC-0162-SB-005-(4.0-5.0)	Soil	30	3	X	X	X	X							
1-20-10	1420	STRC-0162-TB-002-0110	Water	01	2		X									

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. Kuhaneck
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/COOLED	5.1°C	(TIME/DATE) 1/21/10 ~~FED EX~~ ak	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: FedEX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: custody seal intact Receiving temp: 5.1°C Therm#: 57		

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Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO. 18
PROJECT NAME SRC FFTA
SAMPLER'S SIGNATURE Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270	VOCs 8260B	RCRA 8 metals 6010B	DRO/GRO 8015							REMARKS
1-20-10	1439	STRC-0162-SB-005-(14.0-15.0)	Soil	32	3	X	X	X	X							
1-20-10	1430	STRC-0162-SB-005-(9.0-10.0)	Soil	33	3	X	X	X	X							
1-20-10	1456	STRC-0162-SB-006-(0.5-1.0)	Soil	34	3	X	X	X	X							
1-20-10	1510	STRC-0162-SB-006-(4.0-5.0)	Soil	35	3	X	X	X	X							
1-20-10	1514	STRC-0162-SB-006-(8.0-9.0)	Soil	36	3	X	X	X	X							
1-20-10	1523	STRC-0162-SB-006-(14.0-15.0)	Soil	37	3	X	X	X	X							
1-20-10	1523	STRC-0162-SB-006-(14.0-15.0)	Soil	38	3	X	X	X	X							
1-20-10	1546	STRC-0162-SB-007-(0.5-1.0)	Soil	39	3	X	X	X	X							
1-20-10	1609	STRC-0162-SB-007-(14.0-15.0)	Soil	40	3	X	X	X	X							
1-20-10	1558	STRC-0162-SB-007-(4.0-5.0)	Soil	41	3	X	X	X	X							
1-20-10	1603	STRC-0162-SB-007-(9.0-10.0)	Soil	42	3	X	X	X	X							
1-20-10	1603	STRC-0162-TB-003-0110	Water	43	2		X									Trip Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED		Brad T. Davis	FED EX	A. Kuhaneck
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.5°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/10 - 0950	(TIME/DATE) 1/22/10. 0950
VIA: FedEX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Custody seal intact - Receiving temp: 4.5°C Therm#: 57		

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575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	DRO/GRO 8015	RCRA 8 metals 6010A	Ignitability	Full SVOCs 8270C				REMARKS
1-20-10	1045	STRC-0162-SB-001-(0.5-1.0)	Soil	44	3	X	X	X	X		X	X			
1-20-10	1058	STRC-0162-SB-001-(4.0-5.0)	Soil	45	3	X	X	X	X						
1-20-10	1103	STRC-0162-SB-001-(9.0-10.0)	Soil	46	3	X	X	X	X		X	X			
1-20-10	1115	STRC-0162-SB-001-(14.0-15.0)	Soil	47	3	X	X	X	X						
1-20-10	1131	STRC-0162-SB-002-(0.5-1.0)	Soil	48	3	X	X	X	X						
1-20-10	1142	STRC-0162-SB-002-(4.0-5.0)	Soil	49	3	X	X	X	X						
1-20-10	1146	STRC-0162-SB-002-(9.0-10.0)	Soil	50	3	X	X	X	X						
1-20-10	1154	STRC-0162-SB-002-(14.0-15.0)	Soil	51	3	X	X	X	X						
1-20-10	1154	STRC-0162-TB-001-0110	Water	52	2		X								Trip Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED		Brady T. Davis	FED EX	A. Kuhaneck
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	3.6°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 3.6°C Therm#: 57 - Custody Seals Intact.		

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Las Cruces, NM 88011
575-532-1526 [illegible]
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 Metals 6010B	DRO/GRO 8015							REMARKS
1-20-10	1220	STRC-0162-RB-001-0110	Water	53	11	X	X	X	X							Equipment Blank
1-20-10	1350	STRC-0162-FB-001-0110	Water	54	3		X									Field blank
1-20-10	1350	STRC-0162-TB-004-0110	Water	55	2		X									Trip Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED		Brad T. Davis	FED EX	A. Kuhaneck
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.0°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 4.0°C Therm #: 57 Custody seal intact		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

FedEx Express USA Airbill 832603063317 0200 Form I.D. No. FedEx Retrieval Copy

1 From
Date 1-21-10 Sender's FedEx Account Number 4648944489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015 B618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALITICAL
Address 2300 DOUBLE CREEK DR. Dept./Floor/Suite/Room
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
City ROUND ROCK State TX ZIP 78664

832603063317

L

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.
1 [X] FedEx Priority Overnight Next business morning
5 [ ] FedEx Standard Overnight Next business afternoon
6 [ ] FedEx First Overnight Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day Second business day
20 [ ] FedEx Express Saver Third business day
77 [ ] NEW FedEx Extra Hours Later drop-off with next business afternoon delivery for select locations
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.
7 [ ] FedEx 1Day Freight* Next business day
8 [ ] FedEx 2Day Freight Second business day
83 [ ] FedEx 3Day Freight Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg. Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes As per attached Shipper's Declaration
[ ] Yes Shipper's Declaration not required
6 [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg
[ ] Cargo Aircraft Only
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or using FedEx Extra Hours service.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
1 [X] Sender Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
[ ] Obtain Recip. Acct. No.
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages
Total Weight 165 lbs
Total Charges
Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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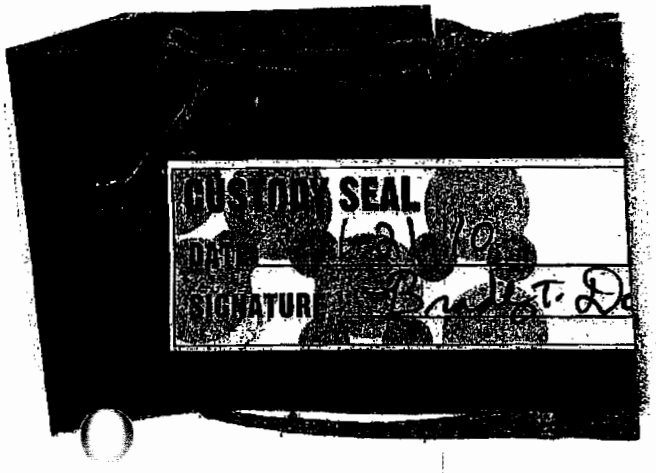

3

FedEx Express USA Airbill 832603063339 0200 FedEx Retrieval Copy

1 From
Date 1-21-10 Sender's FedEx Account Number 464894489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015B618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR.
City ROUND ROCK State TX ZIP 78664

8326 0306 3339

4a Express Package Service — Packages up to 150 lbs.
1 X FedEx Priority Overnight
5 FedEx Standard Overnight
6 FedEx First Overnight
3 FedEx 2Day
20 FedEx Express Saver
77 NEW FedEx Extra Hours

4b Express Freight Service — Packages over 150 lbs.
7 FedEx 1Day Freight
8 FedEx 2Day Freight
83 FedEx 3Day Freight

5 Packaging
6 FedEx Envelope*
2 FedEx Pak*
1 X Other Pkg

6 Special Handling — Include FedEx address in Section 3
3 SATURDAY Delivery
1 HOLD Weekday at FedEx Location
HOLD Saturday at FedEx Location
FED EX
Does this shipment contain dangerous goods?
X No 4 Yes 6 Dry Ice
A. KUHANECK
DHL ANALY
Cargo Aircraft Only

7 Payment Bill
1 X Sender 2 Recipient 3 Third Party 4 Credit Card 5 Cash/Check
1/22/10 - 0150
Total Packages Total Weight X 65 lbs Total Charges

8 Release Signature

446

Rev. Date 7/01 • Part #152754 • GBFE 10/01

RECEIVING DIVISION

CUSTODY SEAL
DATE 1-21-10
SIGNATURE Brad Davis

QEC
Quality Environmental Containers
800-255-3950 · 304-255-3900

QEC
Quality Environmental Containers
800-255-3950 · 304-255-3900

CUSTODY SEAL

FedEx Express — Airbill 8326 0306 3394

Form I.D. No. 0200 — FedEx Retrieval Copy

1 From
Date 1-21-10 — FedEx Tracking Number 4648944489
Sender's Name BRAD DAVIS — Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR — Dept./Floor/Suite/Room
City WSMR — State NM — ZIP 88002

2 Your Internal Billing Reference LCS09015BG18

3 To
Recipient's Name JOHN DUPONT — Phone 512 388-8222
Company DHL ANALITICAL
Address 2300 DOUBLE CREEK DR — Dept./Floor/Suite/Room
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
City ROUND ROCK — State TX — ZIP 78664

8326 0306 3394

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
77 [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
03 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

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3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes.
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.
[ ] Cargo Aircraft Only

7 Payment Bill to: — Enter FedEx Acct. No. or Credit Card No. below.
[ ] Obtain Recip. Acct. No.
1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
FedEx Acct. No. / Credit Card No. — Exp. Date

Total Packages 1 — Total Weight X 65 lbs — Total Charges
Credit Card Auth.

[1] Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature — Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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5

FedEx Express USA Airbill 8326 0306 3328

0200 Form I.D. No. FedEx Retrieval Cop

1 From
Date 1-21-10 Sender's FedEx Account Number 4698 94489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS 090153618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR.
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
City ROUND ROCK State TX ZIP 78664

8326 0306 3328

4a Express Package Service — Packages up to 150 lb.
Delivery commitment may be later in some areas
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate
77 [ ] NEW FedEx Extra Hour — Later drop-off with next business afternoon delivery for select locations

4b Express Freight Service — Packages over 150 lb.
Delivery commitment may be later in some areas
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 x
[ ] Cargo Aircraft Only

7 Payment — Bill to: Enter FedEx Acct. No. or Credit Card No. below.
1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Chec
[ ] Obtain Recip. Acct. No.
FedEx Acct. No. / Credit Card No. / Exp. Date

Total Packages 1 Total Weight 465 lbs Total Charges
Credit Card Auth.
[1] Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature — Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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FedEx Express USA Airbill 832603063340 0200 FedEx Retrieval Copy

From
Date 1-21-10 Sender's FedEx Account Number 4648 94489
Sender's Name BRAD DAVIS Phone 575 678-3597
Company ZTA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002
Your Internal Billing Reference LCS09015 BG18

To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room
City ROUND ROCK State TX ZIP 78664

8326 0306 3340

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
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77 [ ] NEW FedEx Extra Hours — Later drop off with next business afternoon delivery for select locations
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

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3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Express services.
[ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
[ ] Obtain Recip. Acct. No.
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages Total Weight Total Charges
1 68 lbs
Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature — *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claim.

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DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental — Date Received: 1/22/2010

Work Order Number 1001149 — Received by AK

1st completed by: AKuhaneck (Signature) 1/22/2010 (Date) — Reviewed by KH (Initials) 1-22-10 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	4.0 °C, 5.1°C, 4.5°C, 3.6°C, 4.0°C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? NO Checked by SS

Any No response must be detailed in the comments section below.

Client contacted Zia Date contacted: 1-25-10 Person contacted Brad Davis

Contacted by: JBaker Regarding: Trip Blank - STRC-0162-TB-05-0110

Comments: Informed client STRC-0162-TB-05-0110 was not present in cooler, proceed with all other analysis.

Corrective Action Logged samples in for requested analysis

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: **GCMS4**

DATA Folder: **GCMS#8-100202A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	**Analyte #1** Identification & Reason	**Analyte #2** Identification & Reason	**Analyte #3** Identification & Reason	**Analyte #4** Identification & Reason
ICV-100202	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time. DJ 2/4/10		
DCS1-39319	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
LCS-39319	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
100149-46C-MS	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
100149-46C-MSD	MI for benzoic acid because of wrong retention time.			
MB-39319	N/A			
1001116-26B	N/A			
1001149-44C	N/A			
1001149-46C	N/A			

***Manually Integrated = MI**

D.O — **Analyst**

2/4/10 — **Date**

2nd Level Review

2·4·2010 — **Date**

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
ICV-100129	N/A			
LCS-39282	N/A			
MB-39282	N/A			
1001149-32C	N/A			
1001149-32C	N/A			
1001149-37C	N/A			
1001149-38C	N/A			
1001149-39C	N/A			
ICV2-100129	N/A			

***Manually Integrated = MI**

D.O
Analyst

2/3/10
Date

2nd Level Review

2-3-2010
Date

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
1001149-36C-MS	M.I for benzo(b)fluoranthene because of poor resolution.	M.I for benzo(k)fluoranthene because of poor resolution.	M.I for indeno(1,2,3-cd)pyrene because of wrong retention time.	
1001149-36C-MSD	M.I for benzo(b)fluoranthene because of poor resolution.	M.I for benzo(k)fluoranthene because of poor resolution.	M.I for indeno(1,2,3-cd)pyrene because of wrong retention time.	
1001149-40C	N/A			
1001149-41C	N/A			
1001149-42C	N/A			
1001149-44C	N/A			
1001149-45C	N/A			
1001149-46C	N/A			
1001149-47C	N/A			

***Manually Integrated = MI**

P.D
Analyst

2/2/10
Date

2nd Level Review

2-3-2010
Date

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

nstrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples		Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
1001149-48C	N/A				
1001149-49C	N/A				
1001149-50C	N/A				
1001149-51C	N/A				
1001149-34C	N/A				
1001149-35C	N/A				
1001149-36C	N/A				
1001149-35C (10x)	N/A				
1001149-36C (10x)	N/A				

***Manually Integrated = MI**

D.O 2/3/10
Analyst **Date**

2.3.2010
2nd Level Review **Date**

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GCMS4

Calibration Folder: GCMS#4-SV100201 CAL.

Sample ID	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
CAL 1 0.04 ppm	M.I for benzo(k)fluoranthene because of poor resolution.			
CAL 2 0.2 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for benzo(b)fluoranthene because wrong peak was integrated.		
CAL 3 0.5 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 4 1.0 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 5 2.0 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 6 3.0 ppm	N/A			
CAL 7 4.0 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for Dimethylphenethylamine because of poor resolution.		
CAL 8 5.0 ppm	M.I for benzoic acid because wrong peak was integrated.			
SSCV 2.0 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for benzo(b)fluoranthene because wrong peak was integrated.		

*Manually Integrated = MI

D.O — Analyst

2/5/10 — Date

2nd Level Review

2/5/10 — Date

Manual IntegrationsGCMSCAL

CLIENT:	Zia Engineering & Environmental	**CASE NARRATIVE**
Project:	SRC FFTA	
Lab Order:	1001149	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW8260B - Volatile Organics
Method SW8270C - PAH Organics (The compounds 1-Methylnaphthalene, 1-Chloronaphthalene and Dibenz(a,j)acridine are not NELAC Certified)
Method SW6020 - Metals Analysis
Method SW7470A/7471A - Total Mercury
Method M8015V - Modified 8015 Gasoline - (GRO)
Method M8015D - TPH Extractable by GC - (DRO)
Method D2216 - Percent Moisture
Method SW1010 - Ignitability

LOG IN

Samples were received on and log-in performed on 1/22/2010. A total of 54 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged. Sample STRC-0162-TB-005-0110 was included on the Chain of Custody and not included in the icechest. The client was informed on 1/25/2010, and DHL was instructed to proceed with remaining analyses.

DRO ANALYSIS

For GRO Analysis, the recovery of surrogate Isopropylbenzene in Samples -25, -32, -33, -53, the Laboratory Control Spike (LCS-39190), the Matrix Spike and Matrix Spike Duplicate (1001147-01 MS/MSD) and Method Blanks (MB-39190 and MB-39294) was below the method control limits. The recovery of the surrogate Octacosane in Samples -34, -35 and -36, the Matrix Spike and Matrix Spike Duplicate (1001149-36 MS/MSD)was above the method control limits. The remaining surrogate in each was within control limits. These are flagged accordingly in the Analytical Data Report and the QC Summary Report. No further corrective action was taken.

Additionally, the recoveries of TPH-DRO C10-28 in the Matrix Spike and Matrix Spike Duplicate (1001149-36 MS/MSD) were above the method control limits. These are flagged accordingly in the QC Summary Report. No further corrective action was taken.

For TPH analysis, hydrocarbons were detected past the C28 range for Samples -14, -34, -35 and -36. Total TPH may be biased low for these samples. No further corrective actions were taken.

GRO ANALYSIS

For GRO Analysis on Batch 39265, an MS/MSD was not performed on Trip Blanks and Equipment Blanks. An LCS/LCSD was analyzed instead.

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

CASE NARRATIVE

TRACE METALS ANALYSIS

For Metals analysis, the response for Internal Standard Germanium for the Serial Dilution (1001149-41 SD) was above the method control limits. The recoveries of the affected analytes, Arsenic and Selenium were within the method control limits. The RPD of Selenium in the Serial Dilution (Batch 39273) was above the method control limits. This is flagged in the QC Summary Report. No further corrective action was taken.

For Metals analysis, the response for Internal Standard Scandium for the Post Digestion Spike, Matrix Spike and Matrix Spike Duplicate (1001149-41 PDS/MS/MSD) was above the method control limits. The recovery of the affected analyte, Chromium, is within control limits for each of these QC Samples. No further corrective actions were taken.

For Trace Metals Analysis, for Batch 39210, the recovery of Barium in the Matrix Spike and Matrix Spike Duplicate (1001149-30 MS/MSD) was slightly below the method control limits. Additionally for this batch, the RPD of Lead and Selenium in the Serial Dilution (1001149-30 SD) was above the method control limit. These are flagged accordingly in the QC Summary Report. The associated Post Digestion Spike was within method control limits for these analytes. No Further corrective action was taken.

For Trace Metals analysis, for Batch 39207, the RPD of Chromium in the Serial Dilution (1001149-14 SD) was slightly above the method control limits. This is flagged accordingly in the QC Summary Report. The associated PDS and MS/MSD was within control limits for this element. No further corrective action was taken.

For Trace Metals Analysis, the recovery of Selenium in the Continuing Calibration Blank (CCB6-100201) was slightly above the Method Detection Limit. In associated samples Selenium was detected above the Reporting Limit. No further corrective actions were taken.

For Metals analysis a deviation from the SOP resulted in performing a one-point curve for analysis, on instrument ICPMS-3, which was verified by a second source and Low Level Initial Calibration Verification. This follows the method specifications.

MERCURY ANALYSIS

For Mercury Analysis on Batch 39187, an MS/MSD was not performed on Trip Blanks and Equipment Blanks. An LCS/LCSD was analyzed instead.

SEMIVOLATILES BY GC/MS

For Semivolatiles analysis, the recovery of surrogate 2-Fluorophenol in the Method Blank (MB-39319), Matrix Spike and Matrix Spike Duplicate (1001149-46C) was slightly below the method control limits. The remaining surrogates were within control limits for these samples. Additionally, the recovery of Dimethylphenethylaminine in the Laboratory Control Spike (LCS-39319) was below the method control limits. This compound was within control limits in the associated ICV (ICV-100202). These are flagged in the QC Summary Report. No further corrective action was taken.

For Semivolatiles analysis, the recoveries of several compounds in the Matrix Spike and Matrix Spike

Duplicate (1001149-46C MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. The associated ICV (ICV-100202) was within control limits for these compounds. No further corrective action was taken.

For Semivolatiles analysis, some samples/standards were manually integrated. Please refer to the table on pages 14-18 of this report for the full list of samples, standards, and the compounds that were manually integrated.

VOLATILES BY GC/MS

For Volatiles analysis, the recovery of Acetone for the Initial Calibration Verifications (ICV-100126 and ICV-100125) was slightly above the method control limits.

For Volatiles analysis, for Batch-39179) the recoveries of several compounds in the Matrix Spike and Matrix Spike Duplicate (1001149-14 MS/MSD) were outside the method control limits. The RPD of a few of these compounds are above the method control limits in the Matrix Spike Duplicate. These are flagged in the QC Summary Report. The associated LCS (LCS-39179) was within control limits for these compounds. No further corrective action was taken.

For Volatiles analysis, Batch-39254, the recovery of the surrogate 1,2-Dichloroethane-d4 in the Matrix Spike (1001182-01 MS) was marginally above the method control limits. The remaining surrogates are within the method control limits. Additionally, in this batch, the recovery of 2-Chloroethylvinylether in the Matrix Spike and Matrix Spike Duplicate (1001182-01 MS/MSD) was below the method detection limit due to reaction with the acid used for sample preservation in the VOA vial. No further corrective actions were taken.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Brad Davis of ZIA Requested a bottle kit from Jennifer Barker of DHL: via email on 01/13/2010.
Kit sent on 1/13/2010 via Lonestar Overnight, arrive on 01/15/2010.
This sample delivery group arrives at DHL Analytical 1/20/2010. Sample summary sent via email from Log-in to client on 1/27/2010.

DHL Project Manager/QA staff discussed with client the following issues:
RFQ questions answered vial email on 1/4/2010.
On 1/25/2010 DHL informed client that a sample was missing from the cooler.
DHL Insurance Certification sent 1/26/2010.

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1001149-01	STRC-0162-BG-001-(0.5-1.0)		01/20/10 08:32 AM	01/22/10
1001149-02	STRC-0162-BG-001-(4.0-5.0)		01/20/10 08:16 AM	01/22/10
1001149-03	STRC-0162-BG-001-(14.0-15.0)		01/20/10 08:38 AM	01/22/10
1001149-04	STRC-0162-BG-001-(9.0-10.0)		01/20/10 08:30 AM	01/22/10
1001149-05	STRC-0162-BG-002-(14.0-15.0)		01/20/10 09:31 AM	01/22/10
1001149-06	STRC-0162-BG-002-(4.0-5.0)		01/20/10 09:14 AM	01/22/10
1001149-07	STRC-0162-BG-002-(0.5-1.0)		01/20/10 09:00 AM	01/22/10
1001149-08	STRC-0162-BG-103-(14.0-15.0)		01/20/10 10:20 AM	01/22/10
1001149-09	STRC-0162-BG-003-(14.0-15.0)		01/20/10 10:20 AM	01/22/10
1001149-10	STRC-0162-BG-003-(9.0-10.0)		01/20/10 10:17 AM	01/22/10
1001149-11	STRC-0162-BG-003-(0.5-1.0)		01/20/10 09:45 AM	01/22/10
1001149-12	STRC-0162-BG-003-(4.0-5.0)		01/20/10 10:04 AM	01/22/10
1001149-13	STRC-0162-BG-002-(9.0-10.0)		01/20/10 09:24 AM	01/22/10
1001149-14	STRC-0162-SB-008-(0.5-1.0)		01/20/10 04:34 PM	01/22/10
1001149-15	STRC-0162-SB-008-(4.0-5.0)		01/20/10 04:45 PM	01/22/10
1001149-16	STRC-0162-SB-008-(9.0-10.0)		01/20/10 04:57 PM	01/22/10
1001149-17	STRC-0162-SB-008-(14.0-15.0)		01/20/10 05:08 PM	01/22/10
1001149-18	STRC-0162-SB-108-(14.0-15.0)		01/20/10 05:08 PM	01/22/10
1001149-19	STRC-0162-TB-005-0110		01/20/10 05:08 PM	01/22/10
1001149-20	STRC-0162-SB-003-(0.5-1.0)		01/20/10 12:40 PM	01/22/10
1001149-21	STRC-0162-SB-003-(4.0-5.0)		01/20/10 12:50 PM	01/22/10
1001149-22	STRC-0162-SB-003-(14.0-15.0)		01/20/10 01:07 PM	01/22/10
1001149-23	STRC-0162-SB-003-(9.0-10.0)		01/20/10 12:56 PM	01/22/10
1001149-24	STRC-0162-SB-104-(0.5-1.0)		01/20/10 01:22 PM	01/22/10
1001149-25	STRC-0162-SB-004-(0.5-1.0)		01/20/10 01:12 PM	01/22/10
1001149-26	STRC-0162-SB-004-(4.0-5.0)		01/20/10 01:32 PM	01/22/10
1001149-27	STRC-0162-SB-004-(9.0-10.0)		01/20/10 01:39 PM	01/22/10
1001149-28	STRC-0162-SB-004-(14.0-15.0)		01/20/10 01:45 PM	01/22/10
1001149-29	STRC-0162-SB-005-(0.5-1.0)		01/20/10 02:10 PM	01/22/10
1001149-30	STRC-0162-SB-005-(4.0-5.0)		01/20/10 02:20 PM	01/22/10
1001149-31	STRC-0162-TB-002-0110		01/20/10 02:20 PM	01/22/10
1001149-32	STRC-0162-SB-005-(14.0-15.0)		01/20/10 02:39 PM	01/22/10
1001149-33	STRC-0162-SB-005-(9.0-10.0)		01/20/10 02:30 PM	01/22/10
1001149-34	STRC-0162-SB-006-(0.5-1.0)		01/20/10 02:56 PM	01/22/10
1001149-35	STRC-0162-SB-006-(4.0-5.0)		01/20/10 03:10 PM	01/22/10
1001149-36	STRC-0162-SB-006-(8.0-9.0)		01/20/10 03:14 PM	01/22/10
1001149-37	STRC-0162-SB-106-(14.0-15.0)		01/20/10 03:23 PM	01/22/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1001149-38	STRC-0162-SB-006-(14.0-15.0)		01/20/10 03:23 PM	01/22/10
1001149-39	STRC-0162-SB-007-(0.5-1.0)		01/20/10 03:46 PM	01/22/10
1001149-40	STRC-0162-SB-007-(14.0-15.0)		01/20/10 04:09 PM	01/22/10
1001149-41	STRC-0162-SB-007-(4.0-5.0)		01/20/10 03:58 PM	01/22/10
1001149-42	STRC-0162-SB-007-(9.0-10.0)		01/20/10 04:03 PM	01/22/10
1001149-43	STRC-0162-TB-003-0110		01/21/10 04:03 PM	01/22/10
1001149-44	STRC-0162-SB-001-(0.5-1.0)		01/20/10 10:45 AM	01/22/10
1001149-45	STRC-0162-SB-001-(4.0-5.0)		01/20/10 10:58 AM	01/22/10
1001149-46	STRC-0162-SB-001-(9.0-10.0)		01/20/10 11:03 AM	01/22/10
1001149-47	STRC-0162-SB-001-(14.0-15.0)		01/20/10 11:15 AM	01/22/10
1001149-48	STRC-0162-SB-002-(0.5-1.0)		01/20/10 11:31 AM	01/22/10
1001149-49	STRC-0162-SB-002-(4.0-5.0)		01/20/10 11:42 AM	01/22/10
1001149-50	STRC-0162-SB-002-(9.0-10.0)		01/20/10 11:46 AM	01/22/10
1001149-51	STRC-0162-SB-002-(14.0-15.0)		01/20/10 11:54 AM	01/22/10
1001149-52	STRC-0162-TB-001-0110		01/20/10 11:54 AM	01/22/10
1001149-53	STRC-0162-RB-001-0110		01/20/10 12:20 PM	01/22/10
1001149-54	STRC-0162-FB-001-0110		01/20/10 01:50 PM	01/22/10
1001149-55	STRC-0162-TB-004-0110		01/20/10 01:50 PM	01/22/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-01A	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-02A	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-03A	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-04A	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-05A	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-06A	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-07A	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-08A	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-09A	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-10A	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-11A	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-12A	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-13A	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-14A	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-14B	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-14C	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-15A	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-15B	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-15C	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-16A	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-16B	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-16C	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-17A	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-17B	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-17C	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-18A	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-18B	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-18C	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-20A	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-20B	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-20C	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-21A	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-21B	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-21C	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-22A	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-22B	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-22C	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-23A	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-23B	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-23C	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-24A	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-24B	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-24C	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-25A	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-25B	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-25C	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-26A	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-26B	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-26C	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-27A	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-27B	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-27C	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-28A	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-28B	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-28C	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-29A	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-29B	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-29C	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-30A	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-30B	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-30C	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-31A	STRC-0162-TB-002-0110	01/20/10 02:20 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-32A	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-32B	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-32C	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-33A	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-33B	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-33C	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-34A	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-34B	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-34C	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-35A	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-35B	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-35C	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-36A	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-36B	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-36C	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-37A	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-37B	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-37C	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-38A	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-38B	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-38C	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-39A	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-39B	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-39C	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-40A	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-40B	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-40C	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-41A	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-41B	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-41C	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-42A	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-42B	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-42C	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-43A	STRC-0162-TB-003-0110	01/21/10 04:03 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-44A	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-44B	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-44C	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: BNA	02/01/10 02:42 PM	39319
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW1010	Ignitibility Preparation	01/28/10 12:47 PM	39261
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-45A	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-45B	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-45C	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-46A	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-46B	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-46C	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: BNA	02/01/10 02:42 PM	39319
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW1010	Ignitibility Preparation	01/28/10 12:47 PM	39261
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-47A	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-47B	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-47C	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-48A	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-48B	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-48C	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-49A	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-49B	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-49C	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-50A	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-50B	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-50C	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-51A	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-51B	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-51C	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-52A	STRC-0162-TB-001-0110	01/20/10 11:54 AM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-53A	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-53B	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW5030B	Purge and Trap Water GC-Gas	01/28/10 01:58 PM	39265
1001149-53C	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW7470A	Mercury Aq Prep, Total	01/25/10 11:58 AM	39187
	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	01/25/10 08:41 AM	39165
1001149-53D	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: DRO	01/25/10 02:00 PM	39190
1001149-53E	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: PAH	01/26/10 10:26 AM	39208
1001149-54A	STRC-0162-FB-001-0110	01/20/10 01:50 PM	Field Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-55A	STRC-0162-TB-004-0110	01/20/10 01:50 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-01A	STRC-0162-BG-001-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:28 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:00 PM	ICP-MS2_100201B
1001149-02A	STRC-0162-BG-001-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:30 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:06 PM	ICP-MS2_100201B
1001149-03A	STRC-0162-BG-001-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:32 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:11 PM	ICP-MS2_100201B
1001149-04A	STRC-0162-BG-001-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:34 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:17 PM	ICP-MS2_100201B
1001149-05A	STRC-0162-BG-002-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:36 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:23 PM	ICP-MS2_100201B
1001149-06A	STRC-0162-BG-002-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:38 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:29 PM	ICP-MS2_100201B
1001149-07A	STRC-0162-BG-002-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:40 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:35 PM	ICP-MS2_100201B
1001149-08A	STRC-0162-BG-103-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-103-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:42 AM	CETAC_HG_100201A
	STRC-0162-BG-103-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:41 PM	ICP-MS2_100201B
1001149-09A	STRC-0162-BG-003-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:44 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:46 PM	ICP-MS2_100201B
1001149-10A	STRC-0162-BG-003-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:50 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:52 PM	ICP-MS2_100201B
1001149-11A	STRC-0162-BG-003-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:52 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:57 PM	ICP-MS2_100201B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-12A	STRC-0162-BG-003-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:54 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:03 PM	ICP-MS2_100201B
1001149-13A	STRC-0162-BG-002-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:57 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:09 PM	ICP-MS2_100201B
1001149-14A	STRC-0162-SB-008-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 04:22 PM	GCMS2_100125A
1001149-14B	STRC-0162-SB-008-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:00 PM	GC4_100127B
1001149-14C	STRC-0162-SB-008-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 07:52 PM	GCMS8_100128A
	STRC-0162-SB-008-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 10:50 AM	CETAC_HG_100201A
	STRC-0162-SB-008-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:57 AM	GC15_100201A
	STRC-0162-SB-008-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:47 PM	ICP-MS2_100201B
1001149-15A	STRC-0162-SB-008-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 04:54 PM	GCMS2_100125A
1001149-15B	STRC-0162-SB-008-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:23 PM	GC4_100127B
1001149-15C	STRC-0162-SB-008-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 08:24 PM	GCMS8_100128A
	STRC-0162-SB-008-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:59 AM	CETAC_HG_100201A
	STRC-0162-SB-008-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:14 AM	GC15_100201A
	STRC-0162-SB-008-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:15 PM	ICP-MS2_100201B
1001149-16A	STRC-0162-SB-008-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 05:25 PM	GCMS2_100125A
1001149-16B	STRC-0162-SB-008-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:47 PM	GC4_100127B
1001149-16C	STRC-0162-SB-008-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 08:56 PM	GCMS8_100128A
	STRC-0162-SB-008-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 12:01 PM	CETAC_HG_100201A
	STRC-0162-SB-008-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:23 AM	GC15_100201A
	STRC-0162-SB-008-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:21 PM	ICP-MS2_100201B
1001149-17A	STRC-0162-SB-008-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 05:56 PM	GCMS2_100125A
1001149-17B	STRC-0162-SB-008-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:10 PM	GC4_100127B
1001149-17C	STRC-0162-SB-008-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 09:28 PM	GCMS8_100128A
	STRC-0162-SB-008-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 12:03 PM	CETAC_HG_100201A
	STRC-0162-SB-008-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:31 AM	GC15_100201A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-008-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:27 PM	ICP-MS2_100201B
1001149-18A	STRC-0162-SB-108-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 06:28 PM	GCMS2_100125A
1001149-18B	STRC-0162-SB-108-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:33 PM	GC4_100127B
1001149-18C	STRC-0162-SB-108-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 10:00 PM	GCMS8_100128A
	STRC-0162-SB-108-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-108-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:24 PM	CETAC_HG_100201A
	STRC-0162-SB-108-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:40 AM	GC15_100201A
	STRC-0162-SB-108-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:26 PM	ICP-MS2_100201B
1001149-20A	STRC-0162-SB-003-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 06:59 PM	GCMS2_100125A
1001149-20B	STRC-0162-SB-003-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:57 PM	GC4_100127B
1001149-20C	STRC-0162-SB-003-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 10:32 PM	GCMS8_100128A
	STRC-0162-SB-003-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:26 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:48 AM	GC15_100201A
	STRC-0162-SB-003-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:32 PM	ICP-MS2_100201B
1001149-21A	STRC-0162-SB-003-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 07:31 PM	GCMS2_100125A
1001149-21B	STRC-0162-SB-003-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 08:20 PM	GC4_100127B
1001149-21C	STRC-0162-SB-003-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 11:03 PM	GCMS8_100128A
	STRC-0162-SB-003-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:28 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 11:57 AM	GC15_100201A
	STRC-0162-SB-003-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:38 PM	ICP-MS2_100201B
1001149-22A	STRC-0162-SB-003-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 08:02 PM	GCMS2_100125A
1001149-22B	STRC-0162-SB-003-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 08:43 PM	GC4_100127B
1001149-22C	STRC-0162-SB-003-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 11:36 PM	GCMS8_100128A
	STRC-0162-SB-003-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:30 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:05 PM	GC15_100201A
	STRC-0162-SB-003-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:44 PM	ICP-MS2_100201B
1001149-23A	STRC-0162-SB-003-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 08:34 PM	GCMS2_100125A
1001149-23B	STRC-0162-SB-003-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 09:06 PM	GC4_100127B
1001149-23C	STRC-0162-SB-003-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 12:08 AM	GCMS8_100128A
	STRC-0162-SB-003-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-003-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:32 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:14 PM	GC15_100201A
	STRC-0162-SB-003-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:50 PM	ICP-MS2_100201B
1001149-24A	STRC-0162-SB-104-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 09:05 PM	GCMS2_100125A
1001149-24B	STRC-0162-SB-104-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 09:29 PM	GC4_100127B
1001149-24C	STRC-0162-SB-104-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 12:39 AM	GCMS8_100128A
	STRC-0162-SB-104-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-104-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:34 PM	CETAC_HG_100201A
	STRC-0162-SB-104-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:22 PM	GC15_100201A
	STRC-0162-SB-104-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:55 PM	ICP-MS2_100201B
1001149-25A	STRC-0162-SB-004-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 09:37 PM	GCMS2_100125A
1001149-25B	STRC-0162-SB-004-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 10:39 PM	GC4_100127B
1001149-25C	STRC-0162-SB-004-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 01:11 AM	GCMS8_100128A
	STRC-0162-SB-004-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:37 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:31 PM	GC15_100201A
	STRC-0162-SB-004-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:01 PM	ICP-MS2_100201B
1001149-26A	STRC-0162-SB-004-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 10:08 PM	GCMS2_100125A
1001149-26B	STRC-0162-SB-004-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:02 PM	GC4_100127B
1001149-26C	STRC-0162-SB-004-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 01:43 AM	GCMS8_100128A
	STRC-0162-SB-004-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:39 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:39 PM	GC15_100201A
	STRC-0162-SB-004-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:07 PM	ICP-MS2_100201B
1001149-27A	STRC-0162-SB-004-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 10:40 PM	GCMS2_100125A
1001149-27B	STRC-0162-SB-004-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:25 PM	GC4_100127B
1001149-27C	STRC-0162-SB-004-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:15 AM	GCMS8_100128A
	STRC-0162-SB-004-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:45 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:48 PM	GC15_100201A
	STRC-0162-SB-004-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:13 PM	ICP-MS2_100201B
1001149-28A	STRC-0162-SB-004-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 11:13 PM	GCMS2_100125A
1001149-28B	STRC-0162-SB-004-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:48 PM	GC4_100127B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-28C	STRC-0162-SB-004-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:47 AM	GCMS8_100128A
	STRC-0162-SB-004-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:47 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:56 PM	GC15_100201A
	STRC-0162-SB-004-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:18 PM	ICP-MS2_100201B
1001149-29A	STRC-0162-SB-005-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 02:37 PM	GCMS2_100125A
1001149-29B	STRC-0162-SB-005-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:11 AM	GC4_100127B
1001149-29C	STRC-0162-SB-005-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:19 AM	GCMS8_100128A
	STRC-0162-SB-005-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-005-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:49 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 01:05 PM	GC15_100201A
	STRC-0162-SB-005-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:24 PM	ICP-MS2_100201B
1001149-30A	STRC-0162-SB-005-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 03:11 PM	GCMS2_100125A
1001149-30B	STRC-0162-SB-005-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:34 AM	GC4_100127B
1001149-30C	STRC-0162-SB-005-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:51 AM	GCMS8_100128A
	STRC-0162-SB-005-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-005-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:05 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 01:13 PM	GC15_100201A
	STRC-0162-SB-005-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:19 PM	ICP-MS2_100201B
1001149-31A	STRC-0162-TB-002-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:56 PM	GCMS5_100128A
1001149-32A	STRC-0162-SB-005-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 03:45 PM	GCMS2_100125A
1001149-32B	STRC-0162-SB-005-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:57 AM	GC4_100127B
1001149-32C	STRC-0162-SB-005-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:29 PM	GCMS8_100129A
	STRC-0162-SB-005-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-005-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:51 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:38 PM	GC15_100201A
	STRC-0162-SB-005-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:30 PM	ICP-MS2_100201B
1001149-33A	STRC-0162-SB-005-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 10:29 PM	GCMS1_100125A
1001149-33B	STRC-0162-SB-005-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 01:20 AM	GC4_100127B
1001149-33C	STRC-0162-SB-005-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:01 PM	GCMS8_100129A
	STRC-0162-SB-005-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-005-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:53 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:46 PM	GC15_100201A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-005-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:36 PM	ICP-MS2_100201B
1001149-34A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 11:01 PM	GCMS1_100125A
1001149-34B	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 01:43 AM	GC4_100127B
1001149-34C	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/30/10 01:47 AM	GCMS8_100129A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	01/30/10 03:22 AM	GCMS8_100129A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	02/03/10 05:43 PM	GCMS8_100203A
	STRC-0162-SB-006-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:55 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:55 PM	GC15_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	2	02/01/10 04:07 PM	GC15_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:42 PM	ICP-MS2_100201B
1001149-35A	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 01:53 PM	GCMS1_100125A
1001149-35B	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 02:06 AM	GC4_100127B
1001149-35C	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/30/10 02:19 AM	GCMS8_100129A
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	01/30/10 03:54 AM	GCMS8_100129A
	STRC-0162-SB-006-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:57 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	10	02/01/10 03:03 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 03:12 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	20	02/01/10 04:16 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:48 PM	ICP-MS2_100201B
1001149-36A	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 02:26 PM	GCMS1_100125A
1001149-36B	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:10 AM	GC4_100127C
1001149-36C	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 02:51 AM	GCMS8_100129A
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8270C	PAHs: GC/MS	39282	10	01/30/10 04:26 AM	GCMS8_100129A
	STRC-0162-SB-006-(8.0-9.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:59 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:41 PM	GC15_100125A
	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	10	01/25/10 04:46 PM	GC15_100125A
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:53 PM	ICP-MS2_100201B
1001149-37A	STRC-0162-SB-106-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 02:58 PM	GCMS1_100125A
1001149-37B	STRC-0162-SB-106-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:33 AM	GC4_100127C
1001149-37C	STRC-0162-SB-106-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 03:32 PM	GCMS8_100129A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-106-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-106-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 01:02 PM	CETAC_HG_100201A
	STRC-0162-SB-106-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 12:50 PM	GC15_100125A
	STRC-0162-SB-106-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:59 PM	ICP-MS2_100201B
1001149-38A	STRC-0162-SB-006-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 03:29 PM	GCMS1_100125A
1001149-38B	STRC-0162-SB-006-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:56 AM	GC4_100127C
1001149-38C	STRC-0162-SB-006-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 04:05 PM	GCMS8_100129A
	STRC-0162-SB-006-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:37 PM	CETAC_HG_100201B
	STRC-0162-SB-006-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 12:58 PM	GC15_100125A
	STRC-0162-SB-006-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:33 PM	ICP-MS2_100202A
1001149-39A	STRC-0162-SB-007-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 04:01 PM	GCMS1_100125A
1001149-39B	STRC-0162-SB-007-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 06:19 AM	GC4_100127C
1001149-39C	STRC-0162-SB-007-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 04:36 PM	GCMS8_100129A
	STRC-0162-SB-007-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:39 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:07 PM	GC15_100125A
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:38 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 11:44 AM	ICP-MS3_100203A
1001149-40A	STRC-0162-SB-007-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 04:35 PM	GCMS1_100125A
1001149-40B	STRC-0162-SB-007-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 06:42 AM	GC4_100127C
1001149-40C	STRC-0162-SB-007-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 07:57 PM	GCMS8_100129A
	STRC-0162-SB-007-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:41 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:15 PM	GC15_100125A
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:44 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 07:28 PM	ICP-MS2_100202A
1001149-41A	STRC-0162-SB-007-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 05:08 PM	GCMS1_100125A
1001149-41B	STRC-0162-SB-007-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 07:06 AM	GC4_100127C
1001149-41C	STRC-0162-SB-007-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 08:29 PM	GCMS8_100129A
	STRC-0162-SB-007-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:43 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:24 PM	GC15_100125A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:42 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 08:15 PM	ICP-MS2_100202A
1001149-42A	STRC-0162-SB-007-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 05:40 PM	GCMS1_100125A
1001149-42B	STRC-0162-SB-007-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 07:29 AM	GC4_100127C
1001149-42C	STRC-0162-SB-007-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 09:00 PM	GCMS8_100129A
	STRC-0162-SB-007-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:45 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:32 PM	GC15_100125A
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:50 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 11:49 AM	ICP-MS3_100203A
1001149-43A	STRC-0162-TB-003-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 06:21 PM	GCMS5_100128A
1001149-44A	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 06:12 PM	GCMS1_100125A
1001149-44B	STRC-0162-SB-001-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 08:43 AM	GC4_100127C
1001149-44C	STRC-0162-SB-001-(0.5-1.0)	Soil	SW1010	Ignitability	39261	1	01/28/10 01:00 PM	WC_100128D
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 09:32 PM	GCMS8_100129A
	STRC-0162-SB-001-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8270C	Semivolatiles by GC/MS - Soil	39319	1	02/03/10 03:52 AM	GCMS4_100202A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:21 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:41 PM	GC15_100125A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:56 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	50	02/03/10 12:28 PM	ICP-MS3_100203A
1001149-45A	STRC-0162-SB-001-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 06:44 PM	GCMS1_100125A
1001149-45B	STRC-0162-SB-001-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 09:07 AM	GC4_100127C
1001149-45C	STRC-0162-SB-001-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 10:04 PM	GCMS8_100129A
	STRC-0162-SB-001-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:48 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:49 PM	GC15_100125A
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:19 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	50	02/03/10 12:33 PM	ICP-MS3_100203A
1001149-46A	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 07:16 PM	GCMS1_100125A
1001149-46B	STRC-0162-SB-001-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 09:31 AM	GC4_100127C
1001149-46C	STRC-0162-SB-001-(9.0-10.0)	Soil	SW1010	Ignitability	39261	1	01/28/10 01:00 PM	WC_100128D
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 10:36 PM	GCMS8_100129A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-001-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8270C	Semivolatiles by GC/MS - Soil	39319	1	02/03/10 04:18 AM	GCMS4_100202A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:50 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 02:51 PM	GC15_100125A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:25 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:06 PM	ICP-MS3_100203A
1001149-47A	STRC-0162-SB-001-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 07:48 PM	GCMS1_100125A
1001149-47B	STRC-0162-SB-001-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 10:41 AM	GC4_100127C
1001149-47C	STRC-0162-SB-001-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 11:08 PM	GCMS8_100129A
	STRC-0162-SB-001-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:56 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 02:59 PM	GC15_100125A
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:31 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:11 PM	ICP-MS3_100203A
1001149-48A	STRC-0162-SB-002-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 08:20 PM	GCMS1_100125A
1001149-48B	STRC-0162-SB-002-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:04 AM	GC4_100127C
1001149-48C	STRC-0162-SB-002-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 11:39 PM	GCMS8_100129A
	STRC-0162-SB-002-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:58 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:08 PM	GC15_100125A
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:37 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:17 PM	ICP-MS3_100203A
1001149-49A	STRC-0162-SB-002-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 08:52 PM	GCMS1_100125A
1001149-49B	STRC-0162-SB-002-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:26 AM	GC4_100127C
1001149-49C	STRC-0162-SB-002-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 12:11 AM	GCMS8_100129A
	STRC-0162-SB-002-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:00 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:16 PM	GC15_100125A
	STRC-0162-SB-002-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:41 PM	ICP-MS2_100202A
1001149-50A	STRC-0162-SB-002-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 09:24 PM	GCMS1_100125A
1001149-50B	STRC-0162-SB-002-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:49 AM	GC4_100127C
1001149-50C	STRC-0162-SB-002-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 12:43 AM	GCMS8_100129A
	STRC-0162-SB-002-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:02 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:25 PM	GC15_100125A
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:46 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:22 PM	ICP-MS3_100203A
1001149-51A	STRC-0162-SB-002-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 09:57 PM	GCMS1_100125A
1001149-51B	STRC-0162-SB-002-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 12:12 PM	GC4_100127C
1001149-51C	STRC-0162-SB-002-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 01:15 AM	GCMS8_100129A
	STRC-0162-SB-002-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:04 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:33 PM	GC15_100125A
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:52 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 09:13 PM	ICP-MS2_100202A
1001149-52A	STRC-0162-TB-001-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 06:47 PM	GCMS5_100128A
1001149-53A	STRC-0162-RB-001-0110	Equip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 04:41 PM	GCMS5_100128A
1001149-53B	STRC-0162-RB-001-0110	Equip Blank	M8015V	Method 8015 Gasoline (GRO)	39265	1	01/28/10 05:53 PM	GC4_100128A
1001149-53C	STRC-0162-RB-001-0110	Equip Blank	SW7470A	Total Mercury: Aqueous	39187	1	01/26/10 11:07 AM	CETAC_HG_100126C
	STRC-0162-RB-001-0110	Equip Blank	SW6020	Trace Metals: ICP-MS - Water	39165	1	01/26/10 11:38 AM	ICP-MS3_100126A
1001149-53D	STRC-0162-RB-001-0110	Equip Blank	M8015D	TPH Extractable by GC - Water	39190	1	01/26/10 11:41 AM	GC15_100126A
1001149-53E	STRC-0162-RB-001-0110	Equip Blank	SW8270C	PAHs: GC/MS	39208	1	01/26/10 08:39 PM	GCMS8_100126A
1001149-54A	STRC-0162-FB-001-0110	Field Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:05 PM	GCMS5_100128A
1001149-55A	STRC-0162-TB-004-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:31 PM	GCMS5_100128A

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(0.5-1.0)
Lab ID: 1001149-01
Collection Date: 01/20/10 08:32 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0150	0.0470		mg/Kg-dry	1	02/01/10 11:28 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.48	0.477	0.954		mg/Kg-dry	5	02/01/10 05:00 PM
Barium	71.0	0.477	1.91		mg/Kg-dry	5	02/01/10 05:00 PM
Cadmium	ND	0.0954	0.286		mg/Kg-dry	5	02/01/10 05:00 PM
Chromium	6.66	0.477	1.91		mg/Kg-dry	5	02/01/10 05:00 PM
Lead	5.28	0.0954	0.286		mg/Kg-dry	5	02/01/10 05:00 PM
Selenium	1.11	0.143	0.477		mg/Kg-dry	5	02/01/10 05:00 PM
Silver	ND	0.0954	0.191		mg/Kg-dry	5	02/01/10 05:00 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.85	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(4.0-5.0)
Lab ID: 1001149-02
Collection Date: 01/20/10 08:16 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0138	0.0431		mg/Kg-dry	1	02/01/10 11:30 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.70	0.465	0.931		mg/Kg-dry	5	02/01/10 05:06 PM
Barium	102	0.465	1.86		mg/Kg-dry	5	02/01/10 05:06 PM
Cadmium	ND	0.0931	0.279		mg/Kg-dry	5	02/01/10 05:06 PM
Chromium	8.03	0.465	1.86		mg/Kg-dry	5	02/01/10 05:06 PM
Lead	4.45	0.0931	0.279		mg/Kg-dry	5	02/01/10 05:06 PM
Selenium	1.25	0.140	0.465		mg/Kg-dry	5	02/01/10 05:06 PM
Silver	ND	0.0931	0.186		mg/Kg-dry	5	02/01/10 05:06 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.18	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(14.0-15.0)
Lab ID: 1001149-03
Collection Date: 01/20/10 08:38 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0160	0.0499		mg/Kg-dry	1	02/01/10 11:32 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.81	0.486	0.973		mg/Kg-dry	5	02/01/10 05:11 PM
Barium	192	0.486	1.95		mg/Kg-dry	5	02/01/10 05:11 PM
Cadmium	0.115	0.0973	0.292	J	mg/Kg-dry	5	02/01/10 05:11 PM
Chromium	6.93	0.486	1.95		mg/Kg-dry	5	02/01/10 05:11 PM
Lead	4.59	0.0973	0.292		mg/Kg-dry	5	02/01/10 05:11 PM
Selenium	1.33	0.146	0.486		mg/Kg-dry	5	02/01/10 05:11 PM
Silver	ND	0.0973	0.195		mg/Kg-dry	5	02/01/10 05:11 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.83	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(9.0-10.0)
Lab ID: 1001149-04
Collection Date: 01/20/10 08:30 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0167	0.0520		mg/Kg-dry	1	02/01/10 11:34 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.14	0.497	0.995		mg/Kg-dry	5	02/01/10 05:17 PM
Barium	119	0.497	1.99		mg/Kg-dry	5	02/01/10 05:17 PM
Cadmium	0.128	0.0995	0.298	J	mg/Kg-dry	5	02/01/10 05:17 PM
Chromium	9.32	0.497	1.99		mg/Kg-dry	5	02/01/10 05:17 PM
Lead	5.31	0.0995	0.298		mg/Kg-dry	5	02/01/10 05:17 PM
Selenium	1.41	0.149	0.497		mg/Kg-dry	5	02/01/10 05:17 PM
Silver	ND	0.0995	0.199		mg/Kg-dry	5	02/01/10 05:17 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.16	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(14.0-15.0)
Lab ID: 1001149-05
Collection Date: 01/20/10 09:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 11:36 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.80	0.444	0.887		mg/Kg-dry	5	02/01/10 05:23 PM
Barium	87.0	0.444	1.77		mg/Kg-dry	5	02/01/10 05:23 PM
Cadmium	0.132	0.0887	0.266	J	mg/Kg-dry	5	02/01/10 05:23 PM
Chromium	6.71	0.444	1.77		mg/Kg-dry	5	02/01/10 05:23 PM
Lead	4.12	0.0887	0.266		mg/Kg-dry	5	02/01/10 05:23 PM
Selenium	1.43	0.133	0.444		mg/Kg-dry	5	02/01/10 05:23 PM
Silver	ND	0.0887	0.177		mg/Kg-dry	5	02/01/10 05:23 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.69	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(4.0-5.0)
Lab ID: 1001149-06
Collection Date: 01/20/10 09:14 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0144	0.0449		mg/Kg-dry	1	02/01/10 11:38 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.97	0.501	1.00		mg/Kg-dry	5	02/01/10 05:29 PM
Barium	135	0.501	2.00		mg/Kg-dry	5	02/01/10 05:29 PM
Cadmium	0.162	0.100	0.301	J	mg/Kg-dry	5	02/01/10 05:29 PM
Chromium	8.87	0.501	2.00		mg/Kg-dry	5	02/01/10 05:29 PM
Lead	5.84	0.100	0.301		mg/Kg-dry	5	02/01/10 05:29 PM
Selenium	1.60	0.150	0.501		mg/Kg-dry	5	02/01/10 05:29 PM
Silver	ND	0.100	0.200		mg/Kg-dry	5	02/01/10 05:29 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.04	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(0.5-1.0)
Lab ID: 1001149-07
Collection Date: 01/20/10 09:00 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0143	0.0447		mg/Kg-dry	1	02/01/10 11:40 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.07	0.501	1.00		mg/Kg-dry	5	02/01/10 05:35 PM
Barium	148	0.501	2.00		mg/Kg-dry	5	02/01/10 05:35 PM
Cadmium	0.191	0.100	0.301	J	mg/Kg-dry	5	02/01/10 05:35 PM
Chromium	10.1	0.501	2.00		mg/Kg-dry	5	02/01/10 05:35 PM
Lead	6.53	0.100	0.301		mg/Kg-dry	5	02/01/10 05:35 PM
Selenium	1.81	0.150	0.501		mg/Kg-dry	5	02/01/10 05:35 PM
Silver	ND	0.100	0.200		mg/Kg-dry	5	02/01/10 05:35 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.99	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-103-(14.0-15.0)
Lab ID: 1001149-08
Collection Date: 01/20/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0138	0.0433		mg/Kg-dry	1	02/01/10 11:42 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.22	0.448	0.896		mg/Kg-dry	5	02/01/10 05:41 PM
Barium	75.2	0.448	1.79		mg/Kg-dry	5	02/01/10 05:41 PM
Cadmium	0.133	0.0896	0.269	J	mg/Kg-dry	5	02/01/10 05:41 PM
Chromium	9.02	0.448	1.79		mg/Kg-dry	5	02/01/10 05:41 PM
Lead	4.48	0.0896	0.269		mg/Kg-dry	5	02/01/10 05:41 PM
Selenium	1.30	0.134	0.448		mg/Kg-dry	5	02/01/10 05:41 PM
Silver	ND	0.0896	0.179		mg/Kg-dry	5	02/01/10 05:41 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.12	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(14.0-15.0)
Lab ID: 1001149-09
Collection Date: 01/20/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 11:44 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.30	0.469	0.938		mg/Kg-dry	5	02/01/10 06:46 PM
Barium	63.2	0.469	1.88		mg/Kg-dry	5	02/01/10 06:46 PM
Cadmium	0.110	0.0938	0.281	J	mg/Kg-dry	5	02/01/10 06:46 PM
Chromium	9.05	0.469	1.88		mg/Kg-dry	5	02/01/10 06:46 PM
Lead	3.83	0.0938	0.281		mg/Kg-dry	5	02/01/10 06:46 PM
Selenium	1.24	0.141	0.469		mg/Kg-dry	5	02/01/10 06:46 PM
Silver	ND	0.0938	0.188		mg/Kg-dry	5	02/01/10 06:46 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.22	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(9.0-10.0)
Lab ID: 1001149-10
Collection Date: 01/20/10 10:17 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0153	0.0477		mg/Kg-dry	1	02/01/10 11:50 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.83	0.496	0.992		mg/Kg-dry	5	02/01/10 06:52 PM
Barium	57.0	0.496	1.98		mg/Kg-dry	5	02/01/10 06:52 PM
Cadmium	0.133	0.0992	0.298	J	mg/Kg-dry	5	02/01/10 06:52 PM
Chromium	7.24	0.496	1.98		mg/Kg-dry	5	02/01/10 06:52 PM
Lead	3.74	0.0992	0.298		mg/Kg-dry	5	02/01/10 06:52 PM
Selenium	1.19	0.149	0.496		mg/Kg-dry	5	02/01/10 06:52 PM
Silver	ND	0.0992	0.198		mg/Kg-dry	5	02/01/10 06:52 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.88	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(0.5-1.0)
Lab ID: 1001149-11
Collection Date: 01/20/10 09:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0172	0.0536		mg/Kg-dry	1	02/01/10 11:52 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.72	0.460	0.921		mg/Kg-dry	5	02/01/10 06:57 PM
Barium	233	0.460	1.84		mg/Kg-dry	5	02/01/10 06:57 PM
Cadmium	0.293	0.0921	0.276		mg/Kg-dry	5	02/01/10 06:57 PM
Chromium	10.9	0.460	1.84		mg/Kg-dry	5	02/01/10 06:57 PM
Lead	8.08	0.0921	0.276		mg/Kg-dry	5	02/01/10 06:57 PM
Selenium	2.17	0.138	0.460		mg/Kg-dry	5	02/01/10 06:57 PM
Silver	ND	0.0921	0.184		mg/Kg-dry	5	02/01/10 06:57 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	7.18	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(4.0-5.0)
Lab ID: 1001149-12
Collection Date: 01/20/10 10:04 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0145	0.0454		mg/Kg-dry	1	02/01/10 11:54 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.51	0.511	1.02		mg/Kg-dry	5	02/01/10 07:03 PM
Barium	191	0.511	2.05		mg/Kg-dry	5	02/01/10 07:03 PM
Cadmium	0.299	0.102	0.307	J	mg/Kg-dry	5	02/01/10 07:03 PM
Chromium	10.8	0.511	2.05		mg/Kg-dry	5	02/01/10 07:03 PM
Lead	7.62	0.102	0.307		mg/Kg-dry	5	02/01/10 07:03 PM
Selenium	2.01	0.153	0.511		mg/Kg-dry	5	02/01/10 07:03 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/01/10 07:03 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.87	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(9.0-10.0)
Lab ID: 1001149-13
Collection Date: 01/20/10 09:24 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0154	0.0480		mg/Kg-dry	1	02/01/10 11:57 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.99	0.517	1.03		mg/Kg-dry	5	02/01/10 07:09 PM
Barium	103	0.517	2.07		mg/Kg-dry	5	02/01/10 07:09 PM
Cadmium	0.146	0.103	0.310	J	mg/Kg-dry	5	02/01/10 07:09 PM
Chromium	9.45	0.517	2.07		mg/Kg-dry	5	02/01/10 07:09 PM
Lead	5.17	0.103	0.310		mg/Kg-dry	5	02/01/10 07:09 PM
Selenium	1.45	0.155	0.517		mg/Kg-dry	5	02/01/10 07:09 PM
Silver	ND	0.103	0.207		mg/Kg-dry	5	02/01/10 07:09 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.23	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	131	3.00	9.99		mg/Kg-dry	1	02/01/10 10:57 AM
Surr: Isopropylbenzene	51.8	0	47 - 142		%REC	1	02/01/10 10:57 AM
Surr: Octacosane	131	0	25 - 162		%REC	1	02/01/10 10:57 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0990	0.198		mg/Kg-dry	1	01/27/10 06:00 PM
Surr: Tetrachlorethene	103	0	70 - 134		%REC	1	01/27/10 06:00 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0171	0.0534		mg/Kg-dry	1	02/01/10 10:50 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.70	0.513	1.03		mg/Kg-dry	5	02/01/10 05:47 PM
Barium	235	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Cadmium	0.301	0.103	0.308	J	mg/Kg-dry	5	02/01/10 05:47 PM
Chromium	10.7	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Lead	18.0	0.103	0.308		mg/Kg-dry	5	02/01/10 05:47 PM
Selenium	2.17	0.154	0.513		mg/Kg-dry	5	02/01/10 05:47 PM
Silver	ND	0.103	0.205		mg/Kg-dry	5	02/01/10 05:47 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Anthracene	0.0150	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[g,h,i]perylene	0.00530	0.00515	0.0103	J	mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Surr: 2-Fluorobiphenyl	96.1	0	40 - 140		%REC	1	01/28/10 07:52 PM
Surr: 4-Terphenyl-d14	85.5	0	40 - 140		%REC	1	01/28/10 07:52 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,1-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trimethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromo-3-chloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromoethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3,5-Trimethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichloro-2-butene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Butanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chloroethylvinylether	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chlorotoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Hexanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
4-Chlorotoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
4-Methyl-2-pentanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Acetone	ND	0.0146	0.0487		mg/Kg-dry	1	01/25/10 04:22 PM
Acrylonitrile	ND	0.00292	0.00974		mg/Kg-dry	1	01/25/10 04:22 PM
Benzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromodichloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromoform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon disulfide	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon tetrachloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dichlorodifluoromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Ethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Hexachlorobutadiene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Iodomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Isopropylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methyl tert-butyl ether	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methylene chloride	ND	0.00487	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Propylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Naphthalene	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
o-Xylene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
p-Isopropyltoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
sec-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Styrene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
tert-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Tetrachloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Toluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichlorofluoromethane	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Vinyl chloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	01/25/10 04:22 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 04:22 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:22 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 04:22 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.31	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.99	9.97		mg/Kg-dry	1	02/01/10 10:14 AM
Surr: Isopropylbenzene	52.6	0	47 - 142		%REC	1	02/01/10 10:14 AM
Surr: Octacosane	53.8	0	25 - 162		%REC	1	02/01/10 10:14 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	01/27/10 06:23 PM
Surr: Tetrachlorethene	110	0	70 - 134		%REC	1	01/27/10 06:23 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0140	0.0438		mg/Kg-dry	1	02/01/10 11:59 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.68	0.464	0.928		mg/Kg-dry	5	02/01/10 07:15 PM
Barium	105	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Cadmium	0.159	0.0928	0.278	J	mg/Kg-dry	5	02/01/10 07:15 PM
Chromium	8.04	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Lead	5.19	0.0928	0.278		mg/Kg-dry	5	02/01/10 07:15 PM
Selenium	1.31	0.139	0.464		mg/Kg-dry	5	02/01/10 07:15 PM
Silver	ND	0.0928	0.186		mg/Kg-dry	5	02/01/10 07:15 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[g,h,i]perylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 08:24 PM
Surr: 4-Terphenyl-d14	90.7	0	40 - 140		%REC	1	01/28/10 08:24 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,1-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromo-3-chloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromoethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3,5-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichloro-2-butene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Butanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chloroethylvinylether	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Hexanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
4-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
4-Methyl-2-pentanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Acetone	ND	0.0137	0.0456		mg/Kg-dry	1	01/25/10 04:54 PM
Acrylonitrile	ND	0.00273	0.00911		mg/Kg-dry	1	01/25/10 04:54 PM
Benzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromodichloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromoform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon disulfide	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon tetrachloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dichlorodifluoromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Ethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Hexachlorobutadiene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Iodomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Isopropylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methyl tert-butyl ether	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methylene chloride	ND	0.00456	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Propylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Naphthalene	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
o-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
p-Isopropyltoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
sec-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Styrene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
tert-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Tetrachloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Toluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichlorofluoromethane	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Vinyl chloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 04:54 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 04:54 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:54 PM
Surr: Toluene-d8	93.8	0	85 - 115		%REC	1	01/25/10 04:54 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	02/01/10 10:23 AM
Surr: Isopropylbenzene	61.9	0	47 - 142		%REC	1	02/01/10 10:23 AM
Surr: Octacosane	69.6	0	25 - 162		%REC	1	02/01/10 10:23 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.101	0.201		mg/Kg-dry	1	01/27/10 06:47 PM
Surr: Tetrachlorethene	106	0	70 - 134		%REC	1	01/27/10 06:47 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0160	0.0500		mg/Kg-dry	1	02/01/10 12:01 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.97	0.492	0.984		mg/Kg-dry	5	02/01/10 07:21 PM
Barium	93.9	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Cadmium	0.174	0.0984	0.295	J	mg/Kg-dry	5	02/01/10 07:21 PM
Chromium	9.28	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Lead	6.22	0.0984	0.295		mg/Kg-dry	5	02/01/10 07:21 PM
Selenium	1.62	0.148	0.492		mg/Kg-dry	5	02/01/10 07:21 PM
Silver	ND	0.0984	0.197		mg/Kg-dry	5	02/01/10 07:21 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[b]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[g,h,i]perylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[k]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Chrysene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Dibenz[a,h]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluorene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Indeno[1,2,3-cd]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Naphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Phenanthrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Surr: 2-Fluorobiphenyl	94.8	0	40 - 140		%REC	1	01/28/10 08:56 PM
Surr: 4-Terphenyl-d14	82.4	0	40 - 140		%REC	1	01/28/10 08:56 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,1-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromoethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Butanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chloroethylvinylether	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Hexanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
4-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
4-Methyl-2-pentanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Acetone	ND	0.0155	0.0517		mg/Kg-dry	1	01/25/10 05:25 PM
Acrylonitrile	ND	0.00310	0.0103		mg/Kg-dry	1	01/25/10 05:25 PM
Benzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromodichloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromoform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon disulfide	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon tetrachloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dichlorodifluoromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Ethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Hexachlorobutadiene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Iodomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Isopropylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methyl tert-butyl ether	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methylene chloride	ND	0.00517	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Propylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Naphthalene	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
o-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
p-Isopropyltoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
sec-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Styrene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
tert-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Tetrachloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Toluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichlorofluoromethane	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Vinyl chloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 05:25 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 05:25 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 05:25 PM
Surr: Toluene-d8	94.5	0	85 - 115		%REC	1	01/25/10 05:25 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.15	0	0		WT%	1	01/25/10 03:15 PM

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
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DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.00	9.99		mg/Kg-dry	1	02/01/10 10:31 AM
Surr: Isopropylbenzene	60.6	0	47 - 142		%REC	1	02/01/10 10:31 AM
Surr: Octacosane	62.1	0	25 - 162		%REC	1	02/01/10 10:31 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0924	0.185		mg/Kg-dry	1	01/27/10 07:10 PM
Surr: Tetrachlorethene	108	0	70 - 134		%REC	1	01/27/10 07:10 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0156	0.0487		mg/Kg-dry	1	02/01/10 12:03 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.45	0.487	0.975		mg/Kg-dry	5	02/01/10 07:27 PM
Barium	62.9	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Cadmium	0.145	0.0975	0.292	J	mg/Kg-dry	5	02/01/10 07:27 PM
Chromium	9.42	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Lead	5.12	0.0975	0.292		mg/Kg-dry	5	02/01/10 07:27 PM
Selenium	1.35	0.146	0.487		mg/Kg-dry	5	02/01/10 07:27 PM
Silver	ND	0.0975	0.195		mg/Kg-dry	5	02/01/10 07:27 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 09:28 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 09:28 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,1-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromo-3-chloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromoethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3,5-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichloro-2-butene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Butanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chloroethylvinylether	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Hexanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
4-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
4-Methyl-2-pentanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Acetone	ND	0.0142	0.0473		mg/Kg-dry	1	01/25/10 05:56 PM
Acrylonitrile	ND	0.00284	0.00946		mg/Kg-dry	1	01/25/10 05:56 PM
Benzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromodichloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromoform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon disulfide	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon tetrachloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dichlorodifluoromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Ethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Hexachlorobutadiene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Iodomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Isopropylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methyl tert-butyl ether	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methylene chloride	ND	0.00473	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Propylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Naphthalene	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
o-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
p-Isopropyltoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
sec-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Styrene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
tert-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Tetrachloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Toluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichlorofluoromethane	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Vinyl chloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Surr: 1,2-Dichloroethane-d4	116	0	78 - 125		%REC	1	01/25/10 05:56 PM
Surr: 4-Bromofluorobenzene	99.0	0	85 - 120		%REC	1	01/25/10 05:56 PM
Surr: Dibromofluoromethane	107	0	84 - 116		%REC	1	01/25/10 05:56 PM
Surr: Toluene-d8	90.3	0	85 - 115		%REC	1	01/25/10 05:56 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.20	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 10:40 AM
Surr: Isopropylbenzene	69.6	0	47 - 142		%REC	1	02/01/10 10:40 AM
Surr: Octacosane	73.6	0	25 - 162		%REC	1	02/01/10 10:40 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0968	0.194		mg/Kg-dry	1	01/27/10 07:33 PM
Surr: Tetrachlorethene	104	0	70 - 134		%REC	1	01/27/10 07:33 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0154	0.0480		mg/Kg-dry	1	02/01/10 12:24 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.55	0.496	0.992		mg/Kg-dry	5	02/01/10 08:26 PM
Barium	66.2	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Cadmium	0.133	0.0992	0.297	J	mg/Kg-dry	5	02/01/10 08:26 PM
Chromium	8.57	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Lead	5.98	0.0992	0.297		mg/Kg-dry	5	02/01/10 08:26 PM
Selenium	1.48	0.149	0.496		mg/Kg-dry	5	02/01/10 08:26 PM
Silver	ND	0.0992	0.198		mg/Kg-dry	5	02/01/10 08:26 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[b]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[g,h,i]perylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[k]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Chrysene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Dibenz[a,h]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluorene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Naphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Phenanthrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Surr: 2-Fluorobiphenyl	111	0	40 - 140		%REC	1	01/28/10 10:00 PM
Surr: 4-Terphenyl-d14	89.6	0	40 - 140		%REC	1	01/28/10 10:00 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,1-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromoethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Butanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chloroethylvinylether	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Hexanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
4-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
4-Methyl-2-pentanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Acetone	ND	0.0153	0.0511		mg/Kg-dry	1	01/25/10 06:28 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 06:28 PM
Benzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromodichloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromoform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon disulfide	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon tetrachloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dichlorodifluoromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Ethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Hexachlorobutadiene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Iodomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Isopropylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methyl tert-butyl ether	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methylene chloride	ND	0.00511	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Propylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Naphthalene	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
o-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
p-Isopropyltoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
sec-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Styrene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
tert-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Tetrachloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Toluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichlorofluoromethane	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Vinyl chloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 06:28 PM
Surr: 4-Bromofluorobenzene	97.9	0	85 - 120		%REC	1	01/25/10 06:28 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 06:28 PM
Surr: Toluene-d8	93.7	0	85 - 115		%REC	1	01/25/10 06:28 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.96	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.13	10.4		mg/Kg-dry	1	02/01/10 10:48 AM
Surr: Isopropylbenzene	59.3	0	47 - 142		%REC	1	02/01/10 10:48 AM
Surr: Octacosane	63.7	0	25 - 162		%REC	1	02/01/10 10:48 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 07:57 PM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/27/10 07:57 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0162	0.0505		mg/Kg-dry	1	02/01/10 12:26 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.32	0.511	1.02		mg/Kg-dry	5	02/01/10 08:32 PM
Barium	186	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Cadmium	0.253	0.102	0.306	J	mg/Kg-dry	5	02/01/10 08:32 PM
Chromium	9.87	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Lead	13.8	0.102	0.306		mg/Kg-dry	5	02/01/10 08:32 PM
Selenium	2.21	0.153	0.511		mg/Kg-dry	5	02/01/10 08:32 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	02/01/10 08:32 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Surr: 2-Fluorobiphenyl	98.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
Surr: 4-Terphenyl-d14	80.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,1-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromoethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Butanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chloroethylvinylether	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Hexanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
4-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
4-Methyl-2-pentanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Acetone	ND	0.0157	0.0525		mg/Kg-dry	1	01/25/10 06:59 PM
Acrylonitrile	ND	0.00315	0.0105		mg/Kg-dry	1	01/25/10 06:59 PM
Benzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromodichloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromoform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon disulfide	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon tetrachloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dichlorodifluoromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Ethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Hexachlorobutadiene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Iodomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Isopropylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methyl tert-butyl ether	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methylene chloride	ND	0.00525	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Propylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Naphthalene	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
o-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
p-Isopropyltoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
sec-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Styrene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
tert-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Tetrachloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Toluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichlorofluoromethane	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Vinyl chloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 06:59 PM
Surr: 4-Bromofluorobenzene	97.7	0	85 - 120		%REC	1	01/25/10 06:59 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 06:59 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 06:59 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.87	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 11:57 AM
Surr: Isopropylbenzene	59.2	0	47 - 142		%REC	1	02/01/10 11:57 AM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 11:57 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0958	0.192		mg/Kg-dry	1	01/27/10 08:20 PM
Surr: Tetrachlorethene	115	0	70 - 134		%REC	1	01/27/10 08:20 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0162	0.0506		mg/Kg-dry	1	02/01/10 12:28 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.20	0.431	0.861		mg/Kg-dry	5	02/01/10 08:38 PM
Barium	91.5	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Cadmium	0.156	0.0861	0.258	J	mg/Kg-dry	5	02/01/10 08:38 PM
Chromium	4.57	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Lead	4.78	0.0861	0.258		mg/Kg-dry	5	02/01/10 08:38 PM
Selenium	1.47	0.129	0.431		mg/Kg-dry	5	02/01/10 08:38 PM
Silver	ND	0.0861	0.172		mg/Kg-dry	5	02/01/10 08:38 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[b]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[g,h,i]perylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[k]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Chrysene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Dibenz[a,h]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluorene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Indeno[1,2,3-cd]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Naphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Phenanthrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/28/10 11:03 PM
Surr: 4-Terphenyl-d14	86.0	0	40 - 140		%REC	1	01/28/10 11:03 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,1-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromoethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3,5-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichloro-2-butene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Butanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
4-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Acetone	ND	0.0150	0.0500		mg/Kg-dry	1	01/25/10 07:31 PM
Acrylonitrile	ND	0.00300	0.0100		mg/Kg-dry	1	01/25/10 07:31 PM
Benzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromodichloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromoform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon disulfide	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon tetrachloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dichlorodifluoromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Ethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Hexachlorobutadiene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Iodomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Isopropylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methyl tert-butyl ether	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methylene chloride	ND	0.00500	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Propylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Naphthalene	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
o-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
p-Isopropyltoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
sec-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Styrene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
tert-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Tetrachloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Toluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichlorofluoromethane	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Vinyl chloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Surr: 1,2-Dichloroethane-d4	102	0	78 - 125		%REC	1	01/25/10 07:31 PM
Surr: 4-Bromofluorobenzene	99.1	0	85 - 120		%REC	1	01/25/10 07:31 PM
Surr: Dibromofluoromethane	100	0	84 - 116		%REC	1	01/25/10 07:31 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 07:31 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.44	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.15	10.5		mg/Kg-dry	1	02/01/10 12:05 PM
Surr: Isopropylbenzene	56.0	0	47 - 142		%REC	1	02/01/10 12:05 PM
Surr: Octacosane	62.7	0	25 - 162		%REC	1	02/01/10 12:05 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 08:43 PM
Surr: Tetrachlorethene	119	0	70 - 134		%REC	1	01/27/10 08:43 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0153	0.0479		mg/Kg-dry	1	02/01/10 12:30 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.99	0.468	0.935		mg/Kg-dry	5	02/01/10 08:44 PM
Barium	96.0	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Cadmium	0.173	0.0935	0.281	J	mg/Kg-dry	5	02/01/10 08:44 PM
Chromium	9.60	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Lead	4.89	0.0935	0.281		mg/Kg-dry	5	02/01/10 08:44 PM
Selenium	1.38	0.140	0.468		mg/Kg-dry	5	02/01/10 08:44 PM
Silver	ND	0.0935	0.187		mg/Kg-dry	5	02/01/10 08:44 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[b]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[g,h,i]perylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[k]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Chrysene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Dibenz[a,h]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluorene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Naphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Phenanthrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Surr: 2-Fluorobiphenyl	108	0	40 - 140		%REC	1	01/28/10 11:36 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 11:36 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,1-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromoethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Butanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chloroethylvinylether	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Hexanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
4-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
4-Methyl-2-pentanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Acetone	ND	0.0159	0.0529		mg/Kg-dry	1	01/25/10 08:02 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 08:02 PM
Benzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromodichloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromoform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon disulfide	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon tetrachloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dichlorodifluoromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Ethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Hexachlorobutadiene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Iodomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Isopropylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methyl tert-butyl ether	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methylene chloride	ND	0.00529	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Propylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Naphthalene	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
o-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
p-Isopropyltoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
sec-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Styrene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
tert-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Tetrachloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Toluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichlorofluoromethane	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Vinyl chloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 08:02 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 08:02 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 08:02 PM
Surr: Toluene-d8	92.5	0	85 - 115		%REC	1	01/25/10 08:02 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.22	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.09	10.3		mg/Kg-dry	1	02/01/10 12:14 PM
Surr: Isopropylbenzene	60.2	0	47 - 142		%REC	1	02/01/10 12:14 PM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 12:14 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	01/27/10 09:06 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 09:06 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0163	0.0511		mg/Kg-dry	1	02/01/10 12:32 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.14	0.469	0.937		mg/Kg-dry	5	02/01/10 08:50 PM
Barium	113	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Cadmium	0.158	0.0937	0.281	J	mg/Kg-dry	5	02/01/10 08:50 PM
Chromium	9.70	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Lead	5.80	0.0937	0.281		mg/Kg-dry	5	02/01/10 08:50 PM
Selenium	1.61	0.141	0.469		mg/Kg-dry	5	02/01/10 08:50 PM
Silver	ND	0.0937	0.187		mg/Kg-dry	5	02/01/10 08:50 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 12:08 AM
Surr: 4-Terphenyl-d14	84.9	0	40 - 140		%REC	1	01/29/10 12:08 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,1-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromoethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Butanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chloroethylvinylether	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Hexanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
4-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
4-Methyl-2-pentanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Acetone	ND	0.0152	0.0506		mg/Kg-dry	1	01/25/10 08:34 PM
Acrylonitrile	ND	0.00303	0.0101		mg/Kg-dry	1	01/25/10 08:34 PM
Benzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromodichloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromoform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon disulfide	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon tetrachloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dichlorodifluoromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Ethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Hexachlorobutadiene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Iodomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Isopropylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methyl tert-butyl ether	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methylene chloride	ND	0.00506	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Propylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Naphthalene	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
o-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
p-Isopropyltoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
sec-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Styrene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
tert-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Tetrachloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Toluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichlorofluoromethane	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Vinyl chloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 08:34 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 08:34 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 08:34 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 08:34 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	02/01/10 12:22 PM
Surr: Isopropylbenzene	53.5	0	47 - 142		%REC	1	02/01/10 12:22 PM
Surr: Octacosane	61.3	0	25 - 162		%REC	1	02/01/10 12:22 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.103	0.206		mg/Kg-dry	1	01/27/10 09:29 PM
Surr: Tetrachlorethene	114	0	70 - 134		%REC	1	01/27/10 09:29 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0152	0.0475		mg/Kg-dry	1	02/01/10 12:34 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.37	0.512	1.02		mg/Kg-dry	5	02/01/10 08:55 PM
Barium	194	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Cadmium	0.264	0.102	0.307	J	mg/Kg-dry	5	02/01/10 08:55 PM
Chromium	10.5	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Lead	7.92	0.102	0.307		mg/Kg-dry	5	02/01/10 08:55 PM
Selenium	2.14	0.154	0.512		mg/Kg-dry	5	02/01/10 08:55 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/01/10 08:55 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[b]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[g,h,i]perylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[k]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Chrysene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Dibenz[a,h]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluorene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Indeno[1,2,3-cd]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Naphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Phenanthrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Surr: 2-Fluorobiphenyl	104	0	40 - 140		%REC	1	01/29/10 12:39 AM
Surr: 4-Terphenyl-d14	84.8	0	40 - 140		%REC	1	01/29/10 12:39 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,1-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromoethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Butanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chloroethylvinylether	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Hexanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
4-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
4-Methyl-2-pentanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Acetone	ND	0.0158	0.0528		mg/Kg-dry	1	01/25/10 09:05 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 09:05 PM
Benzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromodichloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromoform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon disulfide	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon tetrachloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dichlorodifluoromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Ethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Hexachlorobutadiene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Iodomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Isopropylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methyl tert-butyl ether	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methylene chloride	ND	0.00528	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Propylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Naphthalene	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
o-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
p-Isopropyltoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
sec-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Styrene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
tert-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Tetrachloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Toluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichlorofluoromethane	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Vinyl chloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 09:05 PM
Surr: 4-Bromofluorobenzene	98.8	0	85 - 120		%REC	1	01/25/10 09:05 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 09:05 PM
Surr: Toluene-d8	93.3	0	85 - 115		%REC	1	01/25/10 09:05 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.16	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	7.58	3.07	10.2	J	mg/Kg-dry	1	02/01/10 12:31 PM
Surr: Isopropylbenzene	36.6	0	47 - 142	S	%REC	1	02/01/10 12:31 PM
Surr: Octacosane	52.8	0	25 - 162		%REC	1	02/01/10 12:31 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0999	0.200		mg/Kg-dry	1	01/27/10 10:39 PM
Surr: Tetrachlorethene	121	0	70 - 134		%REC	1	01/27/10 10:39 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0143	0.0448		mg/Kg-dry	1	02/01/10 12:37 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.39	0.511	1.02		mg/Kg-dry	5	02/01/10 09:01 PM
Barium	193	0.511	2.04		mg/Kg-dry	5	02/01/10 09:01 PM
Cadmium	0.290	0.102	0.306	J	mg/Kg-dry	5	02/01/10 09:01 PM
Chromium	10.2	0.511	2.04		mg/Kg-dry	5	02/01/10 09:01 PM
Lead	17.4	0.102	0.306		mg/Kg-dry	5	02/01/10 09:01 PM
Selenium	2.00	0.153	0.511		mg/Kg-dry	5	02/01/10 09:01 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	02/01/10 09:01 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Acenaphthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Acenaphthylene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[a]anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[a]pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[b]fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[g,h,i]perylene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[k]fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Chrysene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Dibenz[a,h]anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Fluorene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Indeno[1,2,3-cd]pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Naphthalene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Phenanthrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/29/10 01:11 AM
Surr: 4-Terphenyl-d14	86.1	0	40 - 140		%REC	1	01/29/10 01:11 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,1-Trichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,2,2-Tetrachloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,2-Trichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1-Dichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,3-Trichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,3-Trichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,4-Trichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,4-Trimethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dibromo-3-chloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dibromoethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3,5-Trimethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,4-Dichloro-2-butene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,4-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2,2-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2-Butanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
2-Chloroethylvinylether	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
2-Chlorotoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2-Hexanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
4-Chlorotoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
4-Methyl-2-pentanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
Acetone	ND	0.0148	0.0493		mg/Kg-dry	1	01/25/10 09:37 PM
Acrylonitrile	ND	0.00296	0.00986		mg/Kg-dry	1	01/25/10 09:37 PM
Benzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromochloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromodichloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromoform	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Carbon disulfide	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Carbon tetrachloride	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloroform	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
cis-1,2-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
cis-1,3-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dibromochloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dibromomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dichlorodifluoromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Ethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Hexachlorobutadiene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Iodomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Isopropylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Methyl tert-butyl ether	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Methylene chloride	ND	0.00493	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
n-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
n-Propylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Naphthalene	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
o-Xylene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
p-Isopropyltoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
sec-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Styrene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
tert-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Tetrachloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Toluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
trans-1,2-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
trans-1,3-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Trichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Trichlorofluoromethane	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
Vinyl chloride	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 09:37 PM
Surr: 4-Bromofluorobenzene	97.3	0	85 - 120		%REC	1	01/25/10 09:37 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 09:37 PM
Surr: Toluene-d8	93.7	0	85 - 115		%REC	1	01/25/10 09:37 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.88	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.86	9.52		mg/Kg-dry	1	02/01/10 12:39 PM
Surr: Isopropylbenzene	50.5	0	47 - 142		%REC	1	02/01/10 12:39 PM
Surr: Octacosane	55.2	0	25 - 162		%REC	1	02/01/10 12:39 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0995	0.199		mg/Kg-dry	1	01/27/10 11:02 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 11:02 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0138	0.0432		mg/Kg-dry	1	02/01/10 12:39 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.33	0.455	0.910		mg/Kg-dry	5	02/01/10 09:07 PM
Barium	68.9	0.455	1.82		mg/Kg-dry	5	02/01/10 09:07 PM
Cadmium	0.113	0.0910	0.273	J	mg/Kg-dry	5	02/01/10 09:07 PM
Chromium	8.63	0.455	1.82		mg/Kg-dry	5	02/01/10 09:07 PM
Lead	4.04	0.0910	0.273		mg/Kg-dry	5	02/01/10 09:07 PM
Selenium	1.05	0.136	0.455		mg/Kg-dry	5	02/01/10 09:07 PM
Silver	ND	0.0910	0.182		mg/Kg-dry	5	02/01/10 09:07 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Acenaphthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Acenaphthylene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[a]anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[a]pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[b]fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[g,h,i]perylene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[k]fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Chrysene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Dibenz[a,h]anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Fluorene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Indeno[1,2,3-cd]pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Naphthalene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Phenanthrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 01:43 AM
Surr: 4-Terphenyl-d14	87.5	0	40 - 140		%REC	1	01/29/10 01:43 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,1-Trichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,2,2-Tetrachloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,2-Trichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1-Dichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,3-Trichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,3-Trichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,4-Trichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,4-Trimethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dibromo-3-chloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dibromoethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3,5-Trimethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,4-Dichloro-2-butene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,4-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2,2-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2-Butanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
2-Chloroethylvinylether	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
2-Chlorotoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2-Hexanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
4-Chlorotoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
4-Methyl-2-pentanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
Acetone	ND	0.0138	0.0461		mg/Kg-dry	1	01/25/10 10:08 PM
Acrylonitrile	ND	0.00277	0.00923		mg/Kg-dry	1	01/25/10 10:08 PM
Benzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromochloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromodichloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromoform	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Carbon disulfide	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Carbon tetrachloride	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloroform	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
cis-1,2-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
cis-1,3-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dibromochloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dibromomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dichlorodifluoromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Ethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Hexachlorobutadiene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Iodomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Isopropylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Methyl tert-butyl ether	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Methylene chloride	ND	0.00461	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
n-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
n-Propylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Naphthalene	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
o-Xylene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
p-Isopropyltoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
sec-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Styrene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
tert-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Tetrachloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Toluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
trans-1,2-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
trans-1,3-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Trichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Trichlorofluoromethane	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
Vinyl chloride	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 10:08 PM
Surr: 4-Bromofluorobenzene	98.4	0	85 - 120		%REC	1	01/25/10 10:08 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 10:08 PM
Surr: Toluene-d8	93.5	0	85 - 115		%REC	1	01/25/10 10:08 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	1.84	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.93	9.78		mg/Kg-dry	1	02/01/10 12:48 PM
Surr: Isopropylbenzene	63.9	0	47 - 142		%REC	1	02/01/10 12:48 PM
Surr: Octacosane	72.0	0	25 - 162		%REC	1	02/01/10 12:48 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0982	0.196		mg/Kg-dry	1	01/27/10 11:25 PM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/27/10 11:25 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0158	0.0494		mg/Kg-dry	1	02/01/10 12:45 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.09	0.456	0.912		mg/Kg-dry	5	02/01/10 09:13 PM
Barium	58.7	0.456	1.82		mg/Kg-dry	5	02/01/10 09:13 PM
Cadmium	0.0966	0.0912	0.274	J	mg/Kg-dry	5	02/01/10 09:13 PM
Chromium	9.25	0.456	1.82		mg/Kg-dry	5	02/01/10 09:13 PM
Lead	3.64	0.0912	0.274		mg/Kg-dry	5	02/01/10 09:13 PM
Selenium	0.983	0.137	0.456		mg/Kg-dry	5	02/01/10 09:13 PM
Silver	ND	0.0912	0.182		mg/Kg-dry	5	02/01/10 09:13 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Acenaphthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Acenaphthylene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[a]anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[a]pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[b]fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[g,h,i]perylene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[k]fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Chrysene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Dibenz[a,h]anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Fluorene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Indeno[1,2,3-cd]pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Naphthalene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Phenanthrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Surr: 2-Fluorobiphenyl	100	0	40 - 140		%REC	1	01/29/10 02:15 AM
Surr: 4-Terphenyl-d14	84.7	0	40 - 140		%REC	1	01/29/10 02:15 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,1-Trichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,2-Trichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1-Dichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,3-Trichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dibromoethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,4-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2,2-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2-Butanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
2-Chloroethylvinylether	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
2-Chlorotoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2-Hexanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
4-Chlorotoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
4-Methyl-2-pentanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
Acetone	ND	0.0152	0.0507		mg/Kg-dry	1	01/25/10 10:40 PM
Acrylonitrile	ND	0.00304	0.0101		mg/Kg-dry	1	01/25/10 10:40 PM
Benzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromochloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromodichloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromoform	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Carbon disulfide	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Carbon tetrachloride	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloroform	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dibromochloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dibromomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dichlorodifluoromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Ethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Hexachlorobutadiene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Iodomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Isopropylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Methyl tert-butyl ether	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Methylene chloride	ND	0.00507	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
n-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
n-Propylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Naphthalene	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
o-Xylene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
p-Isopropyltoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
sec-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Styrene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
tert-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Tetrachloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Toluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Trichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Trichlorofluoromethane	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
Vinyl chloride	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 10:40 PM
Surr: 4-Bromofluorobenzene	97.5	0	85 - 120		%REC	1	01/25/10 10:40 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 10:40 PM
Surr: Toluene-d8	92.4	0	85 - 115		%REC	1	01/25/10 10:40 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.07	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	02/01/10 12:56 PM
Surr: Isopropylbenzene	63.2	0	47 - 142		%REC	1	02/01/10 12:56 PM
Surr: Octacosane	69.3	0	25 - 162		%REC	1	02/01/10 12:56 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0934	0.187		mg/Kg-dry	1	01/27/10 11:48 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 11:48 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0149	0.0465		mg/Kg-dry	1	02/01/10 12:47 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.66	0.504	1.01		mg/Kg-dry	5	02/01/10 10:18 PM
Barium	50.5	0.504	2.02		mg/Kg-dry	5	02/01/10 10:18 PM
Cadmium	0.102	0.101	0.302	J	mg/Kg-dry	5	02/01/10 10:18 PM
Chromium	8.13	0.504	2.02		mg/Kg-dry	5	02/01/10 10:18 PM
Lead	4.33	0.101	0.302		mg/Kg-dry	5	02/01/10 10:18 PM
Selenium	1.22	0.151	0.504		mg/Kg-dry	5	02/01/10 10:18 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	02/01/10 10:18 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 02:47 AM
Surr: 4-Terphenyl-d14	82.0	0	40 - 140		%REC	1	01/29/10 02:47 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,1-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,2-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,3-Trichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dibromoethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,4-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2-Butanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
2-Chloroethylvinylether	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
2-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2-Hexanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
4-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
4-Methyl-2-pentanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
Acetone	ND	0.0154	0.0515		mg/Kg-dry	1	01/25/10 11:13 PM
Acrylonitrile	ND	0.00309	0.0103		mg/Kg-dry	1	01/25/10 11:13 PM
Benzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromodichloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromoform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Carbon disulfide	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Carbon tetrachloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloroform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dibromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dibromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dichlorodifluoromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Ethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Hexachlorobutadiene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Iodomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Isopropylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Methyl tert-butyl ether	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Methylene chloride	ND	0.00515	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
n-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
n-Propylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Naphthalene	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
o-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
p-Isopropyltoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
sec-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Styrene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
tert-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Tetrachloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Toluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Trichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Trichlorofluoromethane	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
Vinyl chloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Surr: 1,2-Dichloroethane-d4	111	0	78 - 125		%REC	1	01/25/10 11:13 PM
Surr: 4-Bromofluorobenzene	97.3	0	85 - 120		%REC	1	01/25/10 11:13 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 11:13 PM
Surr: Toluene-d8	91.8	0	85 - 115		%REC	1	01/25/10 11:13 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.62	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.03	10.1		mg/Kg-dry	1	02/01/10 01:05 PM
Surr: Isopropylbenzene	58.7	0	47 - 142		%REC	1	02/01/10 01:05 PM
Surr: Octacosane	62.6	0	25 - 162		%REC	1	02/01/10 01:05 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.105	0.210		mg/Kg-dry	1	01/28/10 12:11 AM
Surr: Tetrachlorethene	114	0	70 - 134		%REC	1	01/28/10 12:11 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0150	0.0469		mg/Kg-dry	1	02/01/10 12:49 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.30	0.476	0.951		mg/Kg-dry	5	02/01/10 10:24 PM
Barium	191	0.476	1.90		mg/Kg-dry	5	02/01/10 10:24 PM
Cadmium	0.235	0.0951	0.285	J	mg/Kg-dry	5	02/01/10 10:24 PM
Chromium	9.53	0.476	1.90		mg/Kg-dry	5	02/01/10 10:24 PM
Lead	8.26	0.0951	0.285		mg/Kg-dry	5	02/01/10 10:24 PM
Selenium	1.91	0.143	0.476		mg/Kg-dry	5	02/01/10 10:24 PM
Silver	ND	0.0951	0.190		mg/Kg-dry	5	02/01/10 10:24 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Acenaphthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Acenaphthylene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[a]anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[a]pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[b]fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[g,h,i]perylene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[k]fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Chrysene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Dibenz[a,h]anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Fluorene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Indeno[1,2,3-cd]pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Naphthalene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Phenanthrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/29/10 03:19 AM
Surr: 4-Terphenyl-d14	85.7	0	40 - 140		%REC	1	01/29/10 03:19 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,1-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,2-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,3-Trichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dibromoethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,4-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2-Butanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
2-Chloroethylvinylether	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
2-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2-Hexanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
4-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
4-Methyl-2-pentanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
Acetone	ND	0.0155	0.0517		mg/Kg-dry	1	01/26/10 02:37 PM
Acrylonitrile	ND	0.00310	0.0103		mg/Kg-dry	1	01/26/10 02:37 PM
Benzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromodichloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromoform	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Carbon disulfide	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Carbon tetrachloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloroform	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dibromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dibromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dichlorodifluoromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Ethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Hexachlorobutadiene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Iodomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Isopropylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Methyl tert-butyl ether	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Methylene chloride	ND	0.00517	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
n-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
n-Propylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Naphthalene	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
o-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
p-Isopropyltoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
sec-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Styrene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
tert-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Tetrachloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Toluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Trichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Trichlorofluoromethane	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
Vinyl chloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/26/10 02:37 PM
Surr: 4-Bromofluorobenzene	99.4	0	85 - 120		%REC	1	01/26/10 02:37 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/26/10 02:37 PM
Surr: Toluene-d8	92.9	0	85 - 115		%REC	1	01/26/10 02:37 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.16	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.87	9.58		mg/Kg-dry	1	02/01/10 01:13 PM
Surr: Isopropylbenzene	64.5	0	47 - 142		%REC	1	02/01/10 01:13 PM
Surr: Octacosane	66.9	0	25 - 162		%REC	1	02/01/10 01:13 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0980	0.196		mg/Kg-dry	1	01/28/10 12:34 AM
Surr: Tetrachlorethene	105	0	70 - 134		%REC	1	01/28/10 12:34 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0156	0.0486		mg/Kg-dry	1	02/01/10 12:05 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.62	0.488	0.976		mg/Kg-dry	5	02/01/10 09:19 PM
Barium	106	0.488	1.95		mg/Kg-dry	5	02/01/10 09:19 PM
Cadmium	0.126	0.0976	0.293	J	mg/Kg-dry	5	02/01/10 09:19 PM
Chromium	8.41	0.488	1.95		mg/Kg-dry	5	02/01/10 09:19 PM
Lead	4.22	0.0976	0.293		mg/Kg-dry	5	02/01/10 09:19 PM
Selenium	1.20	0.146	0.488		mg/Kg-dry	5	02/01/10 09:19 PM
Silver	ND	0.0976	0.195		mg/Kg-dry	5	02/01/10 09:19 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Acenaphthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Acenaphthylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[a]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[a]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[b]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[g,h,i]perylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[k]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Chrysene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Dibenz[a,h]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Fluorene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Indeno[1,2,3-cd]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Naphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Phenanthrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Surr: 2-Fluorobiphenyl	118	0	40 - 140		%REC	1	01/29/10 03:51 AM
Surr: 4-Terphenyl-d14	94.0	0	40 - 140		%REC	1	01/29/10 03:51 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,1-Trichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,2-Trichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1-Dichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,3-Trichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dibromoethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,4-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2,2-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2-Butanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
2-Chloroethylvinylether	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
2-Chlorotoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2-Hexanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
4-Chlorotoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
4-Methyl-2-pentanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
Acetone	ND	0.0153	0.0508		mg/Kg-dry	1	01/26/10 03:11 PM
Acrylonitrile	ND	0.00305	0.0102		mg/Kg-dry	1	01/26/10 03:11 PM
Benzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromochloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromodichloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromoform	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Carbon disulfide	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Carbon tetrachloride	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloroform	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dibromochloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dibromomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dichlorodifluoromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Ethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Hexachlorobutadiene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Iodomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Isopropylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Methyl tert-butyl ether	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Methylene chloride	ND	0.00508	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
n-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
n-Propylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Naphthalene	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
o-Xylene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
p-Isopropyltoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
sec-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Styrene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
tert-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Tetrachloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Toluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Trichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Trichlorofluoromethane	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
Vinyl chloride	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/26/10 03:11 PM
Surr: 4-Bromofluorobenzene	99.2	0	85 - 120		%REC	1	01/26/10 03:11 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/26/10 03:11 PM
Surr: Toluene-d8	93.3	0	85 - 115		%REC	1	01/26/10 03:11 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.45	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-002-0110
Lab ID: 1001149-31
Collection Date: 01/20/10 02:20 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:56 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:56 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:56 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-002-0110
Lab ID: 1001149-31
Collection Date: 01/20/10 02:20 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:56 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:56 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:56 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 05:56 PM
Surr: 4-Bromofluorobenzene	109	0	75 - 120		%REC	1	01/28/10 05:56 PM
Surr: Dibromofluoromethane	105	0	85 - 115		%REC	1	01/28/10 05:56 PM
Surr: Toluene-d8	100	0	85 - 120		%REC	1	01/28/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 02:38 PM
Surr: Isopropylbenzene	33.3	0	47 - 142	S	%REC	1	02/01/10 02:38 PM
Surr: Octacosane	39.3	0	25 - 162		%REC	1	02/01/10 02:38 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0902	0.180		mg/Kg-dry	1	01/28/10 12:57 AM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/28/10 12:57 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0155	0.0486		mg/Kg-dry	1	02/01/10 12:51 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.25	0.498	0.996		mg/Kg-dry	5	02/01/10 10:30 PM
Barium	102	0.498	1.99		mg/Kg-dry	5	02/01/10 10:30 PM
Cadmium	0.142	0.0996	0.299	J	mg/Kg-dry	5	02/01/10 10:30 PM
Chromium	8.31	0.498	1.99		mg/Kg-dry	5	02/01/10 10:30 PM
Lead	6.08	0.0996	0.299		mg/Kg-dry	5	02/01/10 10:30 PM
Selenium	1.60	0.149	0.498		mg/Kg-dry	5	02/01/10 10:30 PM
Silver	ND	0.0996	0.199		mg/Kg-dry	5	02/01/10 10:30 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Acenaphthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Acenaphthylene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[a]anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[a]pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[b]fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[g,h,i]perylene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[k]fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Chrysene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Dibenz[a,h]anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Fluorene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Indeno[1,2,3-cd]pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Naphthalene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Phenanthrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Surr: 2-Fluorobiphenyl	108	0	40 - 140		%REC	1	01/29/10 02:29 PM
Surr: 4-Terphenyl-d14	93.1	0	40 - 140		%REC	1	01/29/10 02:29 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,1-Trichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,2,2-Tetrachloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,2-Trichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1-Dichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,3-Trichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,3-Trichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,4-Trichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,4-Trimethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dibromo-3-chloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dibromoethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3,5-Trimethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,4-Dichloro-2-butene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,4-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2,2-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2-Butanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
2-Chloroethylvinylether	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
2-Chlorotoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2-Hexanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
4-Chlorotoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
4-Methyl-2-pentanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
Acetone	ND	0.0144	0.0481		mg/Kg-dry	1	01/26/10 03:45 PM
Acrylonitrile	ND	0.00289	0.00962		mg/Kg-dry	1	01/26/10 03:45 PM
Benzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromochloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromodichloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromoform	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Carbon disulfide	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Carbon tetrachloride	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloroform	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
cis-1,2-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
cis-1,3-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dibromochloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dibromomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dichlorodifluoromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Ethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Hexachlorobutadiene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Iodomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Isopropylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Methyl tert-butyl ether	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Methylene chloride	ND	0.00481	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
n-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
n-Propylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Naphthalene	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
o-Xylene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
p-Isopropyltoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
sec-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Styrene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
tert-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Tetrachloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Toluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
trans-1,2-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
trans-1,3-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Trichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Trichlorofluoromethane	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
Vinyl chloride	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/26/10 03:45 PM
Surr: 4-Bromofluorobenzene	98.0	0	85 - 120		%REC	1	01/26/10 03:45 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/26/10 03:45 PM
Surr: Toluene-d8	93.6	0	85 - 115		%REC	1	01/26/10 03:45 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.54	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.88	9.61		mg/Kg-dry	1	02/01/10 02:46 PM
Surr: Isopropylbenzene	43.2	0	47 - 142	S	%REC	1	02/01/10 02:46 PM
Surr: Octacosane	48.3	0	25 - 162		%REC	1	02/01/10 02:46 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	01/28/10 01:20 AM
Surr: Tetrachlorethene	110	0	70 - 134		%REC	1	01/28/10 01:20 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0159	0.0498		mg/Kg-dry	1	02/01/10 12:53 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.60	0.438	0.875		mg/Kg-dry	5	02/01/10 10:36 PM
Barium	92.8	0.438	1.75		mg/Kg-dry	5	02/01/10 10:36 PM
Cadmium	0.116	0.0875	0.263	J	mg/Kg-dry	5	02/01/10 10:36 PM
Chromium	7.90	0.438	1.75		mg/Kg-dry	5	02/01/10 10:36 PM
Lead	4.05	0.0875	0.263		mg/Kg-dry	5	02/01/10 10:36 PM
Selenium	1.21	0.131	0.438		mg/Kg-dry	5	02/01/10 10:36 PM
Silver	ND	0.0875	0.175		mg/Kg-dry	5	02/01/10 10:36 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Acenaphthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Acenaphthylene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[a]anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[a]pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[b]fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[g,h,i]perylene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[k]fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Chrysene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Dibenz[a,h]anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Fluorene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Indeno[1,2,3-cd]pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Naphthalene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Phenanthrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/29/10 03:01 PM
Surr: 4-Terphenyl-d14	86.4	0	40 - 140		%REC	1	01/29/10 03:01 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,1-Trichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,2,2-Tetrachloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,2-Trichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1-Dichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,3-Trichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,3-Trichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,4-Trichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,4-Trimethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dibromo-3-chloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dibromoethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3,5-Trimethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,4-Dichloro-2-butene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,4-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2,2-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2-Butanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
2-Chloroethylvinylether	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
2-Chlorotoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2-Hexanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
4-Chlorotoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
4-Methyl-2-pentanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
Acetone	ND	0.0138	0.0458		mg/Kg-dry	1	01/25/10 10:29 PM
Acrylonitrile	ND	0.00275	0.00917		mg/Kg-dry	1	01/25/10 10:29 PM
Benzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromochloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromodichloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromoform	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Carbon disulfide	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Carbon tetrachloride	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloroform	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
cis-1,2-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
cis-1,3-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dibromochloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dibromomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dichlorodifluoromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Ethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Hexachlorobutadiene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Iodomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Isopropylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Methyl tert-butyl ether	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Methylene chloride	ND	0.00458	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
n-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
n-Propylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Naphthalene	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
o-Xylene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
p-Isopropyltoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
sec-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Styrene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
tert-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Tetrachloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Toluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
trans-1,2-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
trans-1,3-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Trichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Trichlorofluoromethane	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
Vinyl chloride	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 10:29 PM
Surr: 4-Bromofluorobenzene	102	0	85 - 120		%REC	1	01/25/10 10:29 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 10:29 PM
Surr: Toluene-d8	98.3	0	85 - 115		%REC	1	01/25/10 10:29 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.15	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	778	6.23	20.8		mg/Kg-dry	2	02/01/10 04:07 PM
Surr: Isopropylbenzene	59.4	0	47 - 142		%REC	2	02/01/10 04:07 PM
Surr: Octacosane	303	0	25 - 162	S	%REC	2	02/01/10 04:07 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.104	0.207		mg/Kg-dry	1	01/28/10 01:43 AM
Surr: Tetrachlorethene	113	0	70 - 134		%REC	1	01/28/10 01:43 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0150	0.0468		mg/Kg-dry	1	02/01/10 12:55 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	11.4	0.526	1.05		mg/Kg-dry	5	02/01/10 10:42 PM
Barium	338	0.526	2.10		mg/Kg-dry	5	02/01/10 10:42 PM
Cadmium	0.491	0.105	0.315		mg/Kg-dry	5	02/01/10 10:42 PM
Chromium	9.46	0.526	2.10		mg/Kg-dry	5	02/01/10 10:42 PM
Lead	371	0.105	0.315		mg/Kg-dry	5	02/01/10 10:42 PM
Selenium	1.42	0.158	0.526		mg/Kg-dry	5	02/01/10 10:42 PM
Silver	0.132	0.105	0.210	J	mg/Kg-dry	5	02/01/10 10:42 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	0.0123	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Acenaphthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Acenaphthylene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Anthracene	0.0173	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Benzo[a]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[a]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[b]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[g,h,i]perylene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[k]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Chrysene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Dibenz[a,h]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Fluoranthene	0.00720	0.00508	0.0102	J	mg/Kg-dry	1	01/30/10 01:47 AM
Fluorene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Indeno[1,2,3-cd]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Naphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Phenanthrene	0.00912	0.00508	0.0102	J	mg/Kg-dry	1	01/30/10 01:47 AM
Pyrene	0.0152	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Surr: 2-Fluorobiphenyl	73.8	0	40 - 140		%REC	10	02/03/10 05:43 PM
Surr: 2-Fluorobiphenyl	95.8	0	40 - 140		%REC	1	01/30/10 01:47 AM
Surr: 4-Terphenyl-d14	52.1	0	40 - 140		%REC	1	01/30/10 01:47 AM
Surr: 4-Terphenyl-d14	73.9	0	40 - 140		%REC	10	02/03/10 05:43 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,1-Trichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,2-Trichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,3-Trichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dibromoethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,4-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2,2-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2-Butanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
2-Chloroethylvinylether	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
2-Chlorotoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2-Hexanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
4-Chlorotoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
4-Methyl-2-pentanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
Acetone	ND	0.0151	0.0503		mg/Kg-dry	1	01/25/10 11:01 PM
Acrylonitrile	ND	0.00302	0.0101		mg/Kg-dry	1	01/25/10 11:01 PM
Benzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromochloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromodichloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromoform	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Carbon disulfide	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Carbon tetrachloride	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloroform	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dibromochloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dibromomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dichlorodifluoromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Ethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Hexachlorobutadiene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Isopropylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
m,p-Xylene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Methyl tert-butyl ether	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Methylene chloride	ND	0.00503	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
n-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
n-Propylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Naphthalene	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
o-Xylene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
p-Isopropyltoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
sec-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Styrene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
tert-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Tetrachloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Toluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Trichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Trichlorofluoromethane	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
Vinyl chloride	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 11:01 PM
Surr: 4-Bromofluorobenzene	109	0	85 - 120		%REC	1	01/25/10 11:01 PM
Surr: Dibromofluoromethane	107	0	84 - 116		%REC	1	01/25/10 11:01 PM
Surr: Toluene-d8	96.9	0	85 - 115		%REC	1	01/25/10 11:01 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.84	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	1900	30.4	101		mg/Kg-dry	10	02/01/10 03:03 PM
Surr: Isopropylbenzene	58.2	0	47 - 142		%REC	10	02/01/10 03:03 PM
Surr: Octacosane	1510	0	25 - 162	S	%REC	10	02/01/10 03:03 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0990	0.198		mg/Kg-dry	1	01/28/10 02:06 AM
Surr: Tetrachlorethene	94.0	0	70 - 134		%REC	1	01/28/10 02:06 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0149	0.0466		mg/Kg-dry	1	02/01/10 12:57 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.87	0.505	1.01		mg/Kg-dry	5	02/01/10 10:48 PM
Barium	161	0.505	2.02		mg/Kg-dry	5	02/01/10 10:48 PM
Cadmium	0.157	0.101	0.303	J	mg/Kg-dry	5	02/01/10 10:48 PM
Chromium	7.96	0.505	2.02		mg/Kg-dry	5	02/01/10 10:48 PM
Lead	35.5	0.101	0.303		mg/Kg-dry	5	02/01/10 10:48 PM
Selenium	1.26	0.152	0.505		mg/Kg-dry	5	02/01/10 10:48 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	02/01/10 10:48 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Acenaphthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Acenaphthylene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Anthracene	0.0328	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Benzo[a]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[a]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[b]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[g,h,i]perylene	0.0781	0.0508	0.102	J	mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[k]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Chrysene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Dibenz[a,h]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Fluoranthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Fluorene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Indeno[1,2,3-cd]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Naphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Phenanthrene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Pyrene	0.0197	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Surr: 2-Fluorobiphenyl	67.2	0	40 - 140		%REC	10	01/30/10 03:54 AM
Surr: 2-Fluorobiphenyl	99.7	0	40 - 140		%REC	1	01/30/10 02:19 AM
Surr: 4-Terphenyl-d14	58.0	0	40 - 140		%REC	1	01/30/10 02:19 AM
Surr: 4-Terphenyl-d14	49.9	0	40 - 140		%REC	10	01/30/10 03:54 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,1-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,2,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,2-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,3-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,3-Trichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,4-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,4-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dibromo-3-chloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dibromoethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3,5-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,4-Dichloro-2-butene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,4-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2-Butanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
2-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2-Hexanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
4-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
Acetone	ND	0.0150	0.0500		mg/Kg-dry	1	01/25/10 01:53 PM
Acrylonitrile	ND	0.00300	0.0100		mg/Kg-dry	1	01/25/10 01:53 PM
Benzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromodichloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromoform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Carbon disulfide	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Carbon tetrachloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloroform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
cis-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
cis-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dibromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dibromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dichlorodifluoromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Ethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Hexachlorobutadiene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Isopropylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
m,p-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Methyl tert-butyl ether	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Methylene chloride	ND	0.00500	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
n-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
n-Propylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Naphthalene	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
o-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
p-Isopropyltoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
sec-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Styrene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
tert-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Tetrachloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Toluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
trans-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
trans-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Trichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Trichlorofluoromethane	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
Vinyl chloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 01:53 PM
Surr: 4-Bromofluorobenzene	129	0	85 - 120	S	%REC	1	01/25/10 01:53 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 01:53 PM
Surr: Toluene-d8	103	0	85 - 115		%REC	1	01/25/10 01:53 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.75	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	1280	29.7	99.0		mg/Kg-dry	10	01/25/10 04:46 PM
Surr: Isopropylbenzene	57.6	0	47 - 142		%REC	10	01/25/10 04:46 PM
Surr: Octacosane	774	0	25 - 162	S	%REC	10	01/25/10 04:46 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.102	0.203		mg/Kg-dry	1	01/28/10 05:10 AM
Surr: Tetrachlorethene	82.2	0	70 - 134		%REC	1	01/28/10 05:10 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0148	0.0462		mg/Kg-dry	1	02/01/10 12:59 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.10	0.451	0.902		mg/Kg-dry	5	02/01/10 10:53 PM
Barium	108	0.451	1.80		mg/Kg-dry	5	02/01/10 10:53 PM
Cadmium	ND	0.0902	0.271		mg/Kg-dry	5	02/01/10 10:53 PM
Chromium	5.52	0.451	1.80		mg/Kg-dry	5	02/01/10 10:53 PM
Lead	10.2	0.0902	0.271		mg/Kg-dry	5	02/01/10 10:53 PM
Selenium	0.825	0.135	0.451		mg/Kg-dry	5	02/01/10 10:53 PM
Silver	ND	0.0902	0.180		mg/Kg-dry	5	02/01/10 10:53 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Acenaphthene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Acenaphthylene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Anthracene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Benzo[a]anthracene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[a]pyrene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[b]fluoranthene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[g,h,i]perylene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[k]fluoranthene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Chrysene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Dibenz[a,h]anthracene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Fluoranthene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Fluorene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Indeno[1,2,3-cd]pyrene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Naphthalene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Phenanthrene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Pyrene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Surr: 2-Fluorobiphenyl	65.9	0	40 - 140		%REC	10	01/30/10 04:26 AM
Surr: 2-Fluorobiphenyl	95.8	0	40 - 140		%REC	1	01/30/10 02:51 AM
Surr: 4-Terphenyl-d14	66.7	0	40 - 140		%REC	1	01/30/10 02:51 AM
Surr: 4-Terphenyl-d14	50.9	0	40 - 140		%REC	10	01/30/10 04:26 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,1-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,2-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,3-Trichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dibromoethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,4-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2-Butanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
2-Chloroethylvinylether	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
2-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2-Hexanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
4-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
4-Methyl-2-pentanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
Acetone	ND	0.0154	0.0512		mg/Kg-dry	1	01/25/10 02:26 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 02:26 PM
Benzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromodichloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromoform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Carbon disulfide	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Carbon tetrachloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloroform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dibromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dibromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dichlorodifluoromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Ethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Hexachlorobutadiene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Isopropylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
m,p-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Methyl tert-butyl ether	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Methylene chloride	ND	0.00512	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
n-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
n-Propylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Naphthalene	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
o-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
p-Isopropyltoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
sec-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Styrene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
tert-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Tetrachloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Toluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Trichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Trichlorofluoromethane	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
Vinyl chloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 02:26 PM
Surr: 4-Bromofluorobenzene	122	0	85 - 120	S	%REC	1	01/25/10 02:26 PM
Surr: Dibromofluoromethane	101	0	84 - 116		%REC	1	01/25/10 02:26 PM
Surr: Toluene-d8	103	0	85 - 115		%REC	1	01/25/10 02:26 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.40	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	01/25/10 12:50 PM
Surr: Isopropylbenzene	61.4	0	47 - 142		%REC	1	01/25/10 12:50 PM
Surr: Octacosane	64.2	0	25 - 162		%REC	1	01/25/10 12:50 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	01/28/10 05:33 AM
Surr: Tetrachlorethene	115	0	70 - 134		%REC	1	01/28/10 05:33 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0154	0.0481		mg/Kg-dry	1	02/01/10 01:02 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.08	0.513	1.03		mg/Kg-dry	5	02/01/10 10:59 PM
Barium	60.3	0.513	2.05		mg/Kg-dry	5	02/01/10 10:59 PM
Cadmium	0.124	0.103	0.308	J	mg/Kg-dry	5	02/01/10 10:59 PM
Chromium	7.12	0.513	2.05		mg/Kg-dry	5	02/01/10 10:59 PM
Lead	4.29	0.103	0.308		mg/Kg-dry	5	02/01/10 10:59 PM
Selenium	1.41	0.154	0.513		mg/Kg-dry	5	02/01/10 10:59 PM
Silver	ND	0.103	0.205		mg/Kg-dry	5	02/01/10 10:59 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Acenaphthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Acenaphthylene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[a]anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[a]pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[b]fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[g,h,i]perylene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[k]fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Chrysene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Dibenz[a,h]anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Fluorene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Naphthalene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Phenanthrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Surr: 2-Fluorobiphenyl	105	0	40 - 140		%REC	1	01/29/10 03:32 PM
Surr: 4-Terphenyl-d14	87.5	0	40 - 140		%REC	1	01/29/10 03:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,1-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,2-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,3-Trichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dibromoethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,4-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2-Butanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
2-Chloroethylvinylether	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
2-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2-Hexanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
4-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
4-Methyl-2-pentanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
Acetone	0.0180	0.0154	0.0515	J	mg/Kg-dry	1	01/25/10 02:58 PM
Acrylonitrile	ND	0.00309	0.0103		mg/Kg-dry	1	01/25/10 02:58 PM
Benzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromodichloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromoform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Carbon disulfide	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Carbon tetrachloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloroform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dibromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dibromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dichlorodifluoromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Ethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Hexachlorobutadiene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Iodomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Isopropylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Methyl tert-butyl ether	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Methylene chloride	ND	0.00515	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
n-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
n-Propylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Naphthalene	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
o-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
p-Isopropyltoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
sec-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Styrene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
tert-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Tetrachloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Toluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Trichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Trichlorofluoromethane	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
Vinyl chloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 02:58 PM
Surr: 4-Bromofluorobenzene	99.6	0	85 - 120		%REC	1	01/25/10 02:58 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 02:58 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 02:58 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.25	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.17	10.6		mg/Kg-dry	1	01/25/10 12:58 PM
Surr: Isopropylbenzene	60.2	0	47 - 142		%REC	1	01/25/10 12:58 PM
Surr: Octacosane	63.0	0	25 - 162		%REC	1	01/25/10 12:58 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0955	0.191		mg/Kg-dry	1	01/28/10 05:56 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 05:56 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0146	0.0457		mg/Kg-dry	1	02/01/10 03:37 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.31	0.516	1.03		mg/Kg-dry	5	02/02/10 12:33 PM
Barium	64.5	0.516	2.07		mg/Kg-dry	5	02/02/10 12:33 PM
Cadmium	0.152	0.103	0.310	J	mg/Kg-dry	5	02/02/10 12:33 PM
Chromium	7.84	0.516	2.07		mg/Kg-dry	5	02/02/10 12:33 PM
Lead	4.46	0.103	0.310		mg/Kg-dry	5	02/02/10 12:33 PM
Selenium	1.24	0.155	0.516		mg/Kg-dry	5	02/02/10 12:33 PM
Silver	ND	0.103	0.207		mg/Kg-dry	5	02/02/10 12:33 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Acenaphthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Acenaphthylene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[a]anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[a]pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[b]fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[g,h,i]perylene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[k]fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Chrysene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Dibenz[a,h]anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Fluorene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Indeno[1,2,3-cd]pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Naphthalene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Phenanthrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/29/10 04:05 PM
Surr: 4-Terphenyl-d14	87.7	0	40 - 140		%REC	1	01/29/10 04:05 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,1-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,2-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,3-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,3-Trichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,4-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,4-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dibromo-3-chloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dibromoethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3,5-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,4-Dichloro-2-butene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,4-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2-Butanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
2-Chloroethylvinylether	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
2-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2-Hexanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
4-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
4-Methyl-2-pentanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
Acetone	0.0168	0.0156	0.0521	J	mg/Kg-dry	1	01/25/10 03:29 PM
Acrylonitrile	ND	0.00313	0.0104		mg/Kg-dry	1	01/25/10 03:29 PM
Benzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromodichloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromoform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Carbon disulfide	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Carbon tetrachloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloroform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
cis-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
cis-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dibromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dibromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dichlorodifluoromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Ethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Hexachlorobutadiene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Iodomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Isopropylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Methyl tert-butyl ether	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Methylene chloride	ND	0.00521	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
n-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
n-Propylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Naphthalene	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
o-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
p-Isopropyltoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
sec-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Styrene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
tert-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Tetrachloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Toluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
trans-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
trans-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Trichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Trichlorofluoromethane	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
Vinyl chloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 03:29 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 03:29 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 03:29 PM
Surr: Toluene-d8	95.9	0	85 - 115		%REC	1	01/25/10 03:29 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.98	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.18	10.6		mg/Kg-dry	1	01/25/10 01:07 PM
Surr: Isopropylbenzene	61.0	0	47 - 142		%REC	1	01/25/10 01:07 PM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	01/25/10 01:07 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.103	0.206		mg/Kg-dry	1	01/28/10 06:19 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 06:19 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0155	0.0485		mg/Kg-dry	1	02/01/10 03:39 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.79	0.483	0.966		mg/Kg-dry	5	02/02/10 12:38 PM
Barium	235	0.483	1.93		mg/Kg-dry	5	02/02/10 12:38 PM
Cadmium	0.242	0.0966	0.290	J	mg/Kg-dry	5	02/02/10 12:38 PM
Chromium	11.4	2.41	9.66		mg/Kg-dry	25	02/03/10 11:44 AM
Lead	12.7	0.0966	0.290		mg/Kg-dry	5	02/02/10 12:38 PM
Selenium	2.07	0.145	0.483		mg/Kg-dry	5	02/02/10 12:38 PM
Silver	ND	0.0966	0.193		mg/Kg-dry	5	02/02/10 12:38 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Acenaphthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Acenaphthylene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[a]anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[a]pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[b]fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[g,h,i]perylene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[k]fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Chrysene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Dibenz[a,h]anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Fluorene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Naphthalene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Phenanthrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Surr: 2-Fluorobiphenyl	107	0	40 - 140		%REC	1	01/29/10 04:36 PM
Surr: 4-Terphenyl-d14	94.5	0	40 - 140		%REC	1	01/29/10 04:36 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,1-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,2-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,3-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,3-Trichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,4-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,4-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dibromo-3-chloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dibromoethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3,5-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,4-Dichloro-2-butene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,4-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2-Butanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
2-Chloroethylvinylether	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
2-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2-Hexanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
4-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
4-Methyl-2-pentanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
Acetone	ND	0.0156	0.0521		mg/Kg-dry	1	01/25/10 04:01 PM
Acrylonitrile	ND	0.00313	0.0104		mg/Kg-dry	1	01/25/10 04:01 PM
Benzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromodichloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromoform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Carbon disulfide	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Carbon tetrachloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloroform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
cis-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
cis-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dibromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dibromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dichlorodifluoromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Ethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Hexachlorobutadiene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Iodomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Isopropylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Methyl tert-butyl ether	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Methylene chloride	ND	0.00521	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
n-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
n-Propylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Naphthalene	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
o-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
p-Isopropyltoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
sec-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Styrene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
tert-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Tetrachloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Toluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
trans-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
trans-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Trichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Trichlorofluoromethane	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
Vinyl chloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 04:01 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 04:01 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 04:01 PM
Surr: Toluene-d8	98.6	0	85 - 115		%REC	1	01/25/10 04:01 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.70	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	01/25/10 01:15 PM
Surr: Isopropylbenzene	66.1	0	47 - 142		%REC	1	01/25/10 01:15 PM
Surr: Octacosane	66.6	0	25 - 162		%REC	1	01/25/10 01:15 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0996	0.199		mg/Kg-dry	1	01/28/10 06:42 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 06:42 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0149	0.0465		mg/Kg-dry	1	02/01/10 03:41 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.17	0.497	0.994		mg/Kg-dry	5	02/02/10 12:44 PM
Barium	89.8	0.497	1.99		mg/Kg-dry	5	02/02/10 12:44 PM
Cadmium	0.141	0.0994	0.298	J	mg/Kg-dry	5	02/02/10 12:44 PM
Chromium	9.16	0.497	1.99		mg/Kg-dry	5	02/02/10 07:28 PM
Lead	4.87	0.0994	0.298		mg/Kg-dry	5	02/02/10 12:44 PM
Selenium	1.30	0.149	0.497		mg/Kg-dry	5	02/02/10 12:44 PM
Silver	ND	0.0994	0.199		mg/Kg-dry	5	02/02/10 12:44 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Surr: 2-Fluorobiphenyl	107	0	40 - 140		%REC	1	01/29/10 07:57 PM
Surr: 4-Terphenyl-d14	85.4	0	40 - 140		%REC	1	01/29/10 07:57 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,1-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,2-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,3-Trichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dibromoethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,4-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2-Butanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
2-Chloroethylvinylether	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
2-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2-Hexanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
4-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
4-Methyl-2-pentanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
Acetone	ND	0.0157	0.0524		mg/Kg-dry	1	01/25/10 04:35 PM
Acrylonitrile	ND	0.00314	0.0105		mg/Kg-dry	1	01/25/10 04:35 PM
Benzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromodichloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromoform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Carbon disulfide	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Carbon tetrachloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloroform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dibromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dibromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dichlorodifluoromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Ethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Hexachlorobutadiene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Iodomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Isopropylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Methyl tert-butyl ether	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Methylene chloride	ND	0.00524	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
n-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
n-Propylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Naphthalene	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
o-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
p-Isopropyltoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
sec-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Styrene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
tert-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Tetrachloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Toluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Trichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Trichlorofluoromethane	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
Vinyl chloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 04:35 PM
Surr: 4-Bromofluorobenzene	99.7	0	85 - 120		%REC	1	01/25/10 04:35 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:35 PM
Surr: Toluene-d8	97.6	0	85 - 115		%REC	1	01/25/10 04:35 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.13	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.03	10.1		mg/Kg-dry	1	01/25/10 01:24 PM
Surr: Isopropylbenzene	64.7	0	47 - 142		%REC	1	01/25/10 01:24 PM
Surr: Octacosane	67.0	0	25 - 162		%REC	1	01/25/10 01:24 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0923	0.185		mg/Kg-dry	1	01/28/10 07:06 AM
Surr: Tetrachlorethene	102	0	70 - 134		%REC	1	01/28/10 07:06 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0158	0.0495		mg/Kg-dry	1	02/01/10 03:43 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.81	0.503	1.01		mg/Kg-dry	5	02/02/10 01:42 PM
Barium	122	0.503	2.01		mg/Kg-dry	5	02/02/10 01:42 PM
Cadmium	0.179	0.101	0.302	J	mg/Kg-dry	5	02/02/10 01:42 PM
Chromium	7.42	0.503	2.01		mg/Kg-dry	5	02/02/10 08:15 PM
Lead	4.79	0.101	0.302		mg/Kg-dry	5	02/02/10 01:42 PM
Selenium	1.33	0.151	0.503		mg/Kg-dry	5	02/02/10 01:42 PM
Silver	ND	0.101	0.201		mg/Kg-dry	5	02/02/10 01:42 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Acenaphthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Acenaphthylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[a]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[a]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[b]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[g,h,i]perylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[k]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Chrysene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Dibenz[a,h]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Fluorene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Indeno[1,2,3-cd]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Naphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Phenanthrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Surr: 2-Fluorobiphenyl	113	0	40 - 140		%REC	1	01/29/10 08:29 PM
Surr: 4-Terphenyl-d14	99.1	0	40 - 140		%REC	1	01/29/10 08:29 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,1-Trichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,2,2-Tetrachloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,2-Trichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1-Dichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,3-Trichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,3-Trichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,4-Trichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,4-Trimethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dibromo-3-chloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dibromoethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3,5-Trimethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,4-Dichloro-2-butene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,4-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2,2-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2-Butanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
2-Chloroethylvinylether	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
2-Chlorotoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2-Hexanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
4-Chlorotoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
4-Methyl-2-pentanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
Acetone	ND	0.0144	0.0479		mg/Kg-dry	1	01/25/10 05:08 PM
Acrylonitrile	ND	0.00288	0.00958		mg/Kg-dry	1	01/25/10 05:08 PM
Benzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromochloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromodichloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromoform	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Carbon disulfide	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Carbon tetrachloride	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloroform	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
cis-1,2-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
cis-1,3-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dibromochloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dibromomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dichlorodifluoromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Ethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Hexachlorobutadiene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Iodomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Isopropylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Methyl tert-butyl ether	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Methylene chloride	ND	0.00479	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
n-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
n-Propylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Naphthalene	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
o-Xylene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
p-Isopropyltoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
sec-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Styrene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
tert-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Tetrachloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Toluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
trans-1,2-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
trans-1,3-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Trichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Trichlorofluoromethane	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
Vinyl chloride	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 05:08 PM
Surr: 4-Bromofluorobenzene	99.7	0	85 - 120		%REC	1	01/25/10 05:08 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 05:08 PM
Surr: Toluene-d8	97.2	0	85 - 115		%REC	1	01/25/10 05:08 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.56	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.95	9.84		mg/Kg-dry	1	01/25/10 01:32 PM
Surr: Isopropylbenzene	50.7	0	47 - 142		%REC	1	01/25/10 01:32 PM
Surr: Octacosane	53.8	0	25 - 162		%REC	1	01/25/10 01:32 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0972	0.194		mg/Kg-dry	1	01/28/10 07:29 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 07:29 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 03:45 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.11	0.455	0.910		mg/Kg-dry	5	02/02/10 12:50 PM
Barium	143	0.455	1.82		mg/Kg-dry	5	02/02/10 12:50 PM
Cadmium	0.200	0.0910	0.273	J	mg/Kg-dry	5	02/02/10 12:50 PM
Chromium	11.0	2.27	9.10		mg/Kg-dry	25	02/03/10 11:49 AM
Lead	6.77	0.0910	0.273		mg/Kg-dry	5	02/02/10 12:50 PM
Selenium	1.57	0.136	0.455		mg/Kg-dry	5	02/02/10 12:50 PM
Silver	ND	0.0910	0.182		mg/Kg-dry	5	02/02/10 12:50 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Acenaphthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Acenaphthylene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[a]anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[a]pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[b]fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[g,h,i]perylene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[k]fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Chrysene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Dibenz[a,h]anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Fluorene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Naphthalene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Phenanthrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/29/10 09:00 PM
Surr: 4-Terphenyl-d14	94.1	0	40 - 140		%REC	1	01/29/10 09:00 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,1-Trichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,2,2-Tetrachloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,2-Trichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1-Dichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,3-Trichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,3-Trichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,4-Trichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,4-Trimethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dibromo-3-chloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dibromoethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3,5-Trimethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,4-Dichloro-2-butene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,4-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2,2-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2-Butanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
2-Chloroethylvinylether	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
2-Chlorotoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2-Hexanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
4-Chlorotoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
4-Methyl-2-pentanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
Acetone	0.0142	0.0141	0.0470	J	mg/Kg-dry	1	01/25/10 05:40 PM
Acrylonitrile	ND	0.00282	0.00941		mg/Kg-dry	1	01/25/10 05:40 PM
Benzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromochloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromodichloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromoform	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Carbon disulfide	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Carbon tetrachloride	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloroform	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
cis-1,2-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
cis-1,3-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dibromochloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dibromomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dichlorodifluoromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Ethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Hexachlorobutadiene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Iodomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Isopropylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Methyl tert-butyl ether	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Methylene chloride	ND	0.00470	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
n-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
n-Propylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Naphthalene	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
o-Xylene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
p-Isopropyltoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
sec-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Styrene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
tert-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Tetrachloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Toluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
trans-1,2-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
trans-1,3-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Trichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Trichlorofluoromethane	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
Vinyl chloride	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 05:40 PM
Surr: 4-Bromofluorobenzene	104	0	85 - 120		%REC	1	01/25/10 05:40 PM
Surr: Dibromofluoromethane	101	0	84 - 116		%REC	1	01/25/10 05:40 PM
Surr: Toluene-d8	98.4	0	85 - 115		%REC	1	01/25/10 05:40 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.39	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-003-0110
Lab ID: 1001149-43
Collection Date: 01/21/10 04:03 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 06:21 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 06:21 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 06:21 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-003-0110
Lab ID: 1001149-43
Collection Date: 01/21/10 04:03 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 06:21 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 06:21 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 06:21 PM
Surr: 1,2-Dichloroethane-d4	117	0	70 - 120		%REC	1	01/28/10 06:21 PM
Surr: 4-Bromofluorobenzene	110	0	75 - 120		%REC	1	01/28/10 06:21 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 06:21 PM
Surr: Toluene-d8	99.8	0	85 - 120		%REC	1	01/28/10 06:21 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.12	10.4		mg/Kg-dry	1	01/25/10 01:41 PM
Surr: Isopropylbenzene	48.3	0	47 - 142		%REC	1	01/25/10 01:41 PM
Surr: Octacosane	53.0	0	25 - 162		%REC	1	01/25/10 01:41 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0998	0.200		mg/Kg-dry	1	01/28/10 08:43 AM
Surr: Tetrachlorethene	121	0	70 - 134		%REC	1	01/28/10 08:43 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0151	0.0473		mg/Kg-dry	1	02/01/10 03:21 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.71	0.530	1.06		mg/Kg-dry	5	02/02/10 12:56 PM
Barium	216	0.530	2.12		mg/Kg-dry	5	02/02/10 12:56 PM
Cadmium	0.324	0.106	0.318		mg/Kg-dry	5	02/02/10 12:56 PM
Chromium	11.4	5.30	21.2	J	mg/Kg-dry	50	02/03/10 12:28 PM
Lead	9.69	0.106	0.318		mg/Kg-dry	5	02/02/10 12:56 PM
Selenium	2.17	0.159	0.530		mg/Kg-dry	5	02/02/10 12:56 PM
Silver	ND	0.106	0.212		mg/Kg-dry	5	02/02/10 12:56 PM
Semivolatiles by GC/MS - Soil		**SW8270C**					**Analyst: DO**
1,2,4,5-Tetrachlorobenzene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2,4-Trichlorobenzene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2-Dichlorobenzene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2-Diphenylhydrazine	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,3-Dichlorobenzene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,4-Dichlorobenzene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1-Chloronaphthalene	ND	0.0420	0.140	N	mg/Kg-dry	1	02/03/10 03:52 AM
1-Methylnaphthalene	ND	0.0630	0.140	N	mg/Kg-dry	1	02/03/10 03:52 AM
1-Naphthylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4,5-Trichlorophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4,6-Trichlorophenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dichlorophenol	ND	0.0841	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dimethylphenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dinitrophenol	ND	0.0525	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dinitrotoluene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,6-Dichlorophenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,6-Dinitrotoluene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Chloronaphthalene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Chlorophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Methylnaphthalene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Methylphenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Naphthylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Nitroaniline	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Nitrophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Picoline	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
3,3'-Dichlorobenzidine	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
3-Methylcholanthrene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
3-Nitroaniline	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4,6-Dinitro-2-methylphenol	ND	0.0841	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
4-Aminobiphenyl	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Bromophenyl phenyl ether	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chloro-3-methylphenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chloroaniline	ND	0.0525	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chlorophenyl phenyl ether	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Methylphenol	ND	0.105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Nitroaniline	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Nitrophenol	ND	0.147	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
7,12-Dimethylbenz(a)anthracene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acenaphthene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acenaphthylene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acetophenone	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Aniline	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Anthracene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzidine	ND	0.347	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[a]anthracene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[a]pyrene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[b]fluoranthene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[g,h,i]perylene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[k]fluoranthene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzoic acid	ND	0.137	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Benzyl alcohol	ND	0.0420	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Biphenyl	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroethoxy)methane	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroethyl)ether	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroisopropyl)ether	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-ethylhexyl)phthalate	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Butyl benzyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Carbazole	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Chrysene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Di-n-butyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Di-n-octyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dibenz(a,j)acridine	0.0490	0.0420	0.140	JN	mg/Kg-dry	1	02/03/10 03:52 AM
Dibenz[a,h]anthracene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Dibenzofuran	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Diethyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dimethyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dimethylphenethylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Diphenylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Ethyl methanesulfonate	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Fluoranthene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Fluorene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Hexachlorobenzene	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachlorobutadiene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachlorocyclopentadiene	ND	0.0630	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachloroethane	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Indeno[1,2,3-cd]pyrene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Isophorone	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Methyl methanesulfonate	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodi-n-propylamine	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodimethylamine	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodiphenylamine	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosopiperidine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Naphthalene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Nitrobenzene	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
p-Dimethylaminoazobenzene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachlorobenzene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachloronitrobenzene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachlorophenol	ND	0.0946	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenacetin	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenanthrene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pronamide	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pyrene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pyridine	ND	0.137	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Surr: 2,4,6-Tribromophenol	89.6	0	37 - 125		%REC	1	02/03/10 03:52 AM
Surr: 2-Fluorobiphenyl	79.9	0	60 - 135		%REC	1	02/03/10 03:52 AM
Surr: 2-Fluorophenol	52.5	0	60 - 129	S	%REC	1	02/03/10 03:52 AM
Surr: 4-Terphenyl-d14	91.8	0	45 - 125		%REC	1	02/03/10 03:52 AM
Surr: Nitrobenzene-d5	73.1	0	40 - 125		%REC	1	02/03/10 03:52 AM
Surr: Phenol-d6	52.0	0	40 - 125		%REC	1	02/03/10 03:52 AM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Surr: 2-Fluorobiphenyl	92.1	0	40 - 140		%REC	1	01/29/10 09:32 PM
Surr: 4-Terphenyl-d14	88.1	0	40 - 140		%REC	1	01/29/10 09:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,1-Trichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,2-Trichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,3-Trichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dibromoethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,4-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2,2-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2-Butanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
2-Chloroethylvinylether	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
2-Chlorotoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2-Hexanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
4-Chlorotoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
4-Methyl-2-pentanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
Acetone	ND	0.0159	0.0530		mg/Kg-dry	1	01/25/10 06:12 PM
Acrylonitrile	ND	0.00318	0.0106		mg/Kg-dry	1	01/25/10 06:12 PM
Benzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromochloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromodichloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromoform	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Carbon disulfide	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Carbon tetrachloride	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Chloroform	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dibromochloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dibromomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dichlorodifluoromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Ethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Hexachlorobutadiene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Iodomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Isopropylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
m,p-Xylene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Methyl tert-butyl ether	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Methylene chloride	ND	0.00530	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
n-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
n-Propylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Naphthalene	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
o-Xylene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
p-Isopropyltoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
sec-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Styrene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
tert-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Tetrachloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Toluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Trichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Trichlorofluoromethane	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
Vinyl chloride	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 06:12 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 06:12 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 06:12 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 06:12 PM
Ignitability		**SW1010**					**Analyst: SW**
Ignitability	>100	0	0		°C	1	01/28/10 01:00 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.52	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.00	9.99		mg/Kg-dry	1	01/25/10 01:49 PM
Surr: Isopropylbenzene	65.5	0	47 - 142		%REC	1	01/25/10 01:49 PM
Surr: Octacosane	67.9	0	25 - 162		%REC	1	01/25/10 01:49 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0985	0.197		mg/Kg-dry	1	01/28/10 09:07 AM
Surr: Tetrachlorethene	112	0	70 - 134		%REC	1	01/28/10 09:07 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0148	0.0463		mg/Kg-dry	1	02/01/10 03:48 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.36	0.485	0.970		mg/Kg-dry	5	02/02/10 01:19 PM
Barium	140	0.485	1.94		mg/Kg-dry	5	02/02/10 01:19 PM
Cadmium	0.135	0.0970	0.291	J	mg/Kg-dry	5	02/02/10 01:19 PM
Chromium	9.39	4.85	19.4	J	mg/Kg-dry	50	02/03/10 12:33 PM
Lead	5.77	0.0970	0.291		mg/Kg-dry	5	02/02/10 01:19 PM
Selenium	1.58	0.146	0.485		mg/Kg-dry	5	02/02/10 01:19 PM
Silver	ND	0.0970	0.194		mg/Kg-dry	5	02/02/10 01:19 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Acenaphthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Acenaphthylene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[a]anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[a]pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[b]fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[g,h,i]perylene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[k]fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Chrysene	0.0153	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Dibenz[a,h]anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Fluorene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Indeno[1,2,3-cd]pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Naphthalene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Phenanthrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/29/10 10:04 PM
Surr: 4-Terphenyl-d14	98.3	0	40 - 140		%REC	1	01/29/10 10:04 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,1-Trichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,2,2-Tetrachloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,2-Trichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1-Dichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,3-Trichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,3-Trichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,4-Trichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,4-Trimethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dibromo-3-chloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dibromoethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3,5-Trimethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,4-Dichloro-2-butene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,4-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2,2-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2-Butanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
2-Chloroethylvinylether	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
2-Chlorotoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2-Hexanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
4-Chlorotoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
4-Methyl-2-pentanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
Acetone	ND	0.0148	0.0492		mg/Kg-dry	1	01/25/10 06:44 PM
Acrylonitrile	ND	0.00295	0.00985		mg/Kg-dry	1	01/25/10 06:44 PM
Benzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromochloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromodichloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromoform	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Carbon disulfide	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Carbon tetrachloride	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloroform	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
cis-1,2-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
cis-1,3-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dibromochloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dibromomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dichlorodifluoromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Ethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Hexachlorobutadiene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Iodomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Isopropylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Methyl tert-butyl ether	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Methylene chloride	ND	0.00492	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
n-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
n-Propylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Naphthalene	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
o-Xylene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
p-Isopropyltoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
sec-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Styrene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
tert-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Tetrachloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Toluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
trans-1,2-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
trans-1,3-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Trichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Trichlorofluoromethane	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
Vinyl chloride	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 06:44 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 06:44 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 06:44 PM
Surr: Toluene-d8	97.3	0	85 - 115		%REC	1	01/25/10 06:44 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.58	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.22	10.7		mg/Kg-dry	1	01/25/10 02:51 PM
Surr: Isopropylbenzene	62.3	0	47 - 142		%REC	1	01/25/10 02:51 PM
Surr: Octacosane	66.1	0	25 - 162		%REC	1	01/25/10 02:51 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.105	0.211		mg/Kg-dry	1	01/28/10 09:31 AM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/28/10 09:31 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0159	0.0497		mg/Kg-dry	1	02/01/10 03:50 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.49	0.512	1.02		mg/Kg-dry	5	02/02/10 01:25 PM
Barium	113	0.512	2.05		mg/Kg-dry	5	02/02/10 01:25 PM
Cadmium	0.164	0.102	0.307	J	mg/Kg-dry	5	02/02/10 01:25 PM
Chromium	11.7	2.56	10.2		mg/Kg-dry	25	02/03/10 12:06 PM
Lead	7.11	0.102	0.307		mg/Kg-dry	5	02/02/10 01:25 PM
Selenium	1.88	0.154	0.512		mg/Kg-dry	5	02/02/10 01:25 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/02/10 01:25 PM
Semivolatiles by GC/MS - Soil		**SW8270C**					**Analyst: DO**
1,2,4,5-Tetrachlorobenzene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2,4-Trichlorobenzene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2-Dichlorobenzene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2-Diphenylhydrazine	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,3-Dichlorobenzene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,4-Dichlorobenzene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1-Chloronaphthalene	ND	0.0432	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
1-Methylnaphthalene	ND	0.0647	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
1-Naphthylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4,5-Trichlorophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4,6-Trichlorophenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dichlorophenol	ND	0.0863	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dimethylphenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dinitrophenol	ND	0.0539	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dinitrotoluene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,6-Dichlorophenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,6-Dinitrotoluene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Chloronaphthalene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Chlorophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Methylnaphthalene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Methylphenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Naphthylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Nitroaniline	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Nitrophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Picoline	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
3,3'-Dichlorobenzidine	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
3-Methylcholanthrene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
3-Nitroaniline	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4,6-Dinitro-2-methylphenol	ND	0.0863	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
4-Aminobiphenyl	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Bromophenyl phenyl ether	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chloro-3-methylphenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chloroaniline	ND	0.0539	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chlorophenyl phenyl ether	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Methylphenol	ND	0.108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Nitroaniline	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Nitrophenol	ND	0.151	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
7,12-Dimethylbenz(a)anthracene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acenaphthene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acenaphthylene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acetophenone	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Aniline	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Anthracene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzidine	ND	0.356	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[a]anthracene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[a]pyrene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[b]fluoranthene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[g,h,i]perylene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[k]fluoranthene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzoic acid	ND	0.140	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Benzyl alcohol	ND	0.0432	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Biphenyl	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroethoxy)methane	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroethyl)ether	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroisopropyl)ether	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-ethylhexyl)phthalate	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Butyl benzyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Carbazole	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Chrysene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Di-n-butyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Di-n-octyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dibenz(a,j)acridine	ND	0.0432	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
Dibenz[a,h]anthracene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Dibenzofuran	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Diethyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dimethyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dimethylphenethylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Diphenylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Ethyl methanesulfonate	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Fluoranthene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Fluorene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Hexachlorobenzene	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachlorobutadiene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachlorocyclopentadiene	ND	0.0647	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachloroethane	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Indeno[1,2,3-cd]pyrene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Isophorone	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Methyl methanesulfonate	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodi-n-propylamine	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodimethylamine	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodiphenylamine	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosopiperidine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Naphthalene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Nitrobenzene	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
p-Dimethylaminoazobenzene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachlorobenzene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachloronitrobenzene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachlorophenol	ND	0.0971	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenacetin	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenanthrene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pronamide	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pyrene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pyridine	ND	0.140	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Surr: 2,4,6-Tribromophenol	88.3	0	37 - 125		%REC	1	02/03/10 04:18 AM
Surr: 2-Fluorobiphenyl	86.1	0	60 - 135		%REC	1	02/03/10 04:18 AM
Surr: 2-Fluorophenol	56.0	0	60 - 129	S	%REC	1	02/03/10 04:18 AM
Surr: 4-Terphenyl-d14	96.8	0	45 - 125		%REC	1	02/03/10 04:18 AM
Surr: Nitrobenzene-d5	80.6	0	40 - 125		%REC	1	02/03/10 04:18 AM
Surr: Phenol-d6	57.2	0	40 - 125		%REC	1	02/03/10 04:18 AM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Acenaphthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Acenaphthylene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[a]anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[a]pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[b]fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[g,h,i]perylene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[k]fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Chrysene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Dibenz[a,h]anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Fluorene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Naphthalene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Phenanthrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Surr: 2-Fluorobiphenyl	105	0	40 - 140		%REC	1	01/29/10 10:36 PM
Surr: 4-Terphenyl-d14	100	0	40 - 140		%REC	1	01/29/10 10:36 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,1-Trichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,2,2-Tetrachloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,2-Trichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,3-Trichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,3-Trichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,4-Trichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,4-Trimethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dibromo-3-chloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dibromoethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3,5-Trimethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,4-Dichloro-2-butene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,4-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2,2-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2-Butanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
2-Chloroethylvinylether	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
2-Chlorotoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2-Hexanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
4-Chlorotoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
4-Methyl-2-pentanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
Acetone	0.0169	0.0147	0.0490	J	mg/Kg-dry	1	01/25/10 07:16 PM
Acrylonitrile	ND	0.00294	0.00980		mg/Kg-dry	1	01/25/10 07:16 PM
Benzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromochloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromodichloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromoform	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Carbon disulfide	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Carbon tetrachloride	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Chloroform	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
cis-1,2-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
cis-1,3-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dibromochloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dibromomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dichlorodifluoromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Ethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Hexachlorobutadiene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Iodomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Isopropylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
m,p-Xylene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Methyl tert-butyl ether	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Methylene chloride	ND	0.00490	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
n-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
n-Propylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Naphthalene	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
o-Xylene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
p-Isopropyltoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
sec-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Styrene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
tert-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Tetrachloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Toluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
trans-1,2-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
trans-1,3-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Trichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Trichlorofluoromethane	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
Vinyl chloride	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 07:16 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 07:16 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 07:16 PM
Surr: Toluene-d8	95.9	0	85 - 115		%REC	1	01/25/10 07:16 PM
Ignitability		**SW1010**					**Analyst: SW**
Ignitability	>100	0	0		°C	1	01/28/10 01:00 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	8.71	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.06	10.2		mg/Kg-dry	1	01/25/10 02:59 PM
Surr: Isopropylbenzene	65.7	0	47 - 142		%REC	1	01/25/10 02:59 PM
Surr: Octacosane	65.2	0	25 - 162		%REC	1	01/25/10 02:59 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.105	0.209		mg/Kg-dry	1	01/28/10 10:41 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 10:41 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0148	0.0463		mg/Kg-dry	1	02/01/10 03:56 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.50	0.466	0.932		mg/Kg-dry	5	02/02/10 01:31 PM
Barium	107	0.466	1.86		mg/Kg-dry	5	02/02/10 01:31 PM
Cadmium	0.189	0.0932	0.280	J	mg/Kg-dry	5	02/02/10 01:31 PM
Chromium	11.6	2.33	9.32		mg/Kg-dry	25	02/03/10 12:11 PM
Lead	6.91	0.0932	0.280		mg/Kg-dry	5	02/02/10 01:31 PM
Selenium	1.80	0.140	0.466		mg/Kg-dry	5	02/02/10 01:31 PM
Silver	ND	0.0932	0.186		mg/Kg-dry	5	02/02/10 01:31 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Surr: 2-Fluorobiphenyl	93.5	0	40 - 140		%REC	1	01/29/10 11:08 PM
Surr: 4-Terphenyl-d14	88.6	0	40 - 140		%REC	1	01/29/10 11:08 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,1-Trichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,2,2-Tetrachloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,2-Trichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1-Dichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,3-Trichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,3-Trichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,4-Trichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,4-Trimethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dibromo-3-chloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dibromoethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3,5-Trimethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,4-Dichloro-2-butene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,4-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2,2-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2-Butanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
2-Chloroethylvinylether	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
2-Chlorotoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2-Hexanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
4-Chlorotoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
4-Methyl-2-pentanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
Acetone	ND	0.0141	0.0471		mg/Kg-dry	1	01/25/10 07:48 PM
Acrylonitrile	ND	0.00283	0.00942		mg/Kg-dry	1	01/25/10 07:48 PM
Benzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromochloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromodichloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromoform	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Carbon disulfide	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Carbon tetrachloride	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloroform	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
cis-1,2-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
cis-1,3-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dibromochloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dibromomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dichlorodifluoromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Ethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Hexachlorobutadiene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Iodomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Isopropylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Methyl tert-butyl ether	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Methylene chloride	ND	0.00471	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
n-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
n-Propylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Naphthalene	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
o-Xylene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
p-Isopropyltoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
sec-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Styrene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
tert-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Tetrachloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Toluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
trans-1,2-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
trans-1,3-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Trichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Trichlorofluoromethane	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
Vinyl chloride	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 07:48 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 07:48 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 07:48 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 07:48 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.03	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.13	10.4		mg/Kg-dry	1	01/25/10 03:08 PM
Surr: Isopropylbenzene	55.6	0	47 - 142		%REC	1	01/25/10 03:08 PM
Surr: Octacosane	60.9	0	25 - 162		%REC	1	01/25/10 03:08 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.102	0.205		mg/Kg-dry	1	01/28/10 11:04 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 11:04 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0167	0.0522		mg/Kg-dry	1	02/01/10 03:58 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	3.10	0.527	1.05		mg/Kg-dry	5	02/02/10 01:37 PM
Barium	259	0.527	2.11		mg/Kg-dry	5	02/02/10 01:37 PM
Cadmium	0.366	0.105	0.316		mg/Kg-dry	5	02/02/10 01:37 PM
Chromium	13.3	2.63	10.5		mg/Kg-dry	25	02/03/10 12:17 PM
Lead	8.96	0.105	0.316		mg/Kg-dry	5	02/02/10 01:37 PM
Selenium	2.53	0.158	0.527		mg/Kg-dry	5	02/02/10 01:37 PM
Silver	ND	0.105	0.211		mg/Kg-dry	5	02/02/10 01:37 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Acenaphthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Acenaphthylene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[a]anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[a]pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[b]fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[g,h,i]perylene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[k]fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Chrysene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Dibenz[a,h]anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Fluorene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Indeno[1,2,3-cd]pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Naphthalene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Phenanthrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Surr: 2-Fluorobiphenyl	94.6	0	40 - 140		%REC	1	01/29/10 11:39 PM
Surr: 4-Terphenyl-d14	102	0	40 - 140		%REC	1	01/29/10 11:39 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,1-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,2-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,3-Trichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dibromoethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,4-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2-Butanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
2-Chloroethylvinylether	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
2-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2-Hexanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
4-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
4-Methyl-2-pentanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
Acetone	ND	0.0157	0.0524		mg/Kg-dry	1	01/25/10 08:20 PM
Acrylonitrile	ND	0.00314	0.0105		mg/Kg-dry	1	01/25/10 08:20 PM
Benzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromodichloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromoform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Carbon disulfide	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Carbon tetrachloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloroform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dibromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dibromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dichlorodifluoromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Ethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Hexachlorobutadiene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Iodomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Isopropylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Methyl tert-butyl ether	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Methylene chloride	ND	0.00524	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
n-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
n-Propylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Naphthalene	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
o-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
p-Isopropyltoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
sec-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Styrene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
tert-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Tetrachloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Toluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Trichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Trichlorofluoromethane	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
Vinyl chloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	01/25/10 08:20 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 08:20 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 08:20 PM
Surr: Toluene-d8	96.7	0	85 - 115		%REC	1	01/25/10 08:20 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.93	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.96	9.87		mg/Kg-dry	1	01/25/10 03:16 PM
Surr: Isopropylbenzene	63.8	0	47 - 142		%REC	1	01/25/10 03:16 PM
Surr: Octacosane	68.0	0	25 - 162		%REC	1	01/25/10 03:16 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0964	0.193		mg/Kg-dry	1	01/28/10 11:26 AM
Surr: Tetrachlorethene	109	0	70 - 134		%REC	1	01/28/10 11:26 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0162	0.0506		mg/Kg-dry	1	02/01/10 04:00 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.94	0.470	0.940		mg/Kg-dry	5	02/02/10 02:41 PM
Barium	133	0.470	1.88		mg/Kg-dry	5	02/02/10 02:41 PM
Cadmium	0.193	0.0940	0.282	J	mg/Kg-dry	5	02/02/10 02:41 PM
Chromium	8.07	0.470	1.88		mg/Kg-dry	5	02/02/10 02:41 PM
Lead	5.25	0.0940	0.282		mg/Kg-dry	5	02/02/10 02:41 PM
Selenium	1.37	0.141	0.470		mg/Kg-dry	5	02/02/10 02:41 PM
Silver	ND	0.0940	0.188		mg/Kg-dry	5	02/02/10 02:41 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Acenaphthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Acenaphthylene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[a]anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[a]pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[b]fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[g,h,i]perylene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[k]fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Chrysene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Dibenz[a,h]anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Fluorene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Indeno[1,2,3-cd]pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Naphthalene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Phenanthrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Surr: 2-Fluorobiphenyl	89.7	0	40 - 140		%REC	1	01/30/10 12:11 AM
Surr: 4-Terphenyl-d14	97.2	0	40 - 140		%REC	1	01/30/10 12:11 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,1-Trichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,2,2-Tetrachloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,2-Trichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1-Dichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,3-Trichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,3-Trichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,4-Trichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,4-Trimethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dibromo-3-chloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dibromoethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3,5-Trimethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,4-Dichloro-2-butene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,4-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2,2-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2-Butanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
2-Chloroethylvinylether	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
2-Chlorotoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2-Hexanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
4-Chlorotoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
4-Methyl-2-pentanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
Acetone	ND	0.0144	0.0479		mg/Kg-dry	1	01/25/10 08:52 PM
Acrylonitrile	ND	0.00288	0.00959		mg/Kg-dry	1	01/25/10 08:52 PM
Benzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromochloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromodichloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromoform	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Carbon disulfide	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Carbon tetrachloride	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloroform	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
cis-1,2-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
cis-1,3-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dibromochloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dibromomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dichlorodifluoromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Ethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Hexachlorobutadiene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Iodomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Isopropylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Methyl tert-butyl ether	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Methylene chloride	ND	0.00479	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
n-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
n-Propylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Naphthalene	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
o-Xylene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
p-Isopropyltoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
sec-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Styrene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
tert-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Tetrachloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Toluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
trans-1,2-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
trans-1,3-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Trichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Trichlorofluoromethane	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
Vinyl chloride	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 08:52 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 08:52 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 08:52 PM
Surr: Toluene-d8	98.1	0	85 - 115		%REC	1	01/25/10 08:52 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.14	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	01/25/10 03:25 PM
Surr: Isopropylbenzene	64.0	0	47 - 142		%REC	1	01/25/10 03:25 PM
Surr: Octacosane	69.4	0	25 - 162		%REC	1	01/25/10 03:25 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.102	0.205		mg/Kg-dry	1	01/28/10 11:49 AM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/28/10 11:49 AM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0141	0.0442		mg/Kg-dry	1	02/01/10 04:02 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.46	0.490	0.980		mg/Kg-dry	5	02/02/10 02:46 PM
Barium	134	0.490	1.96		mg/Kg-dry	5	02/02/10 02:46 PM
Cadmium	0.247	0.0980	0.294	J	mg/Kg-dry	5	02/02/10 02:46 PM
Chromium	10.5	2.45	9.80		mg/Kg-dry	25	02/03/10 12:22 PM
Lead	7.50	0.0980	0.294		mg/Kg-dry	5	02/02/10 02:46 PM
Selenium	2.01	0.147	0.490		mg/Kg-dry	5	02/02/10 02:46 PM
Silver	ND	0.0980	0.196		mg/Kg-dry	5	02/02/10 02:46 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/30/10 12:43 AM
Surr: 4-Terphenyl-d14	110	0	40 - 140		%REC	1	01/30/10 12:43 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,1-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,2-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,3-Trichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dibromoethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,4-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2-Butanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
2-Chloroethylvinylether	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
2-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2-Hexanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
4-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
4-Methyl-2-pentanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
Acetone	ND	0.0154	0.0512		mg/Kg-dry	1	01/25/10 09:24 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 09:24 PM
Benzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromodichloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromoform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Carbon disulfide	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Carbon tetrachloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloroform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dibromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dibromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dichlorodifluoromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Ethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Hexachlorobutadiene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Iodomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Isopropylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Methyl tert-butyl ether	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Methylene chloride	ND	0.00512	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
n-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
n-Propylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Naphthalene	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
o-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
p-Isopropyltoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
sec-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Styrene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
tert-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Tetrachloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Toluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Trichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Trichlorofluoromethane	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
Vinyl chloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 09:24 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 09:24 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 09:24 PM
Surr: Toluene-d8	97.0	0	85 - 115		%REC	1	01/25/10 09:24 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.77	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.89	9.65		mg/Kg-dry	1	01/25/10 03:33 PM
Surr: Isopropylbenzene	64.4	0	47 - 142		%REC	1	01/25/10 03:33 PM
Surr: Octacosane	69.4	0	25 - 162		%REC	1	01/25/10 03:33 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0982	0.196		mg/Kg-dry	1	01/28/10 12:12 PM
Surr: Tetrachlorethene	113	0	70 - 134		%REC	1	01/28/10 12:12 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 04:04 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.97	0.481	0.962		mg/Kg-dry	5	02/02/10 02:52 PM
Barium	63.1	0.481	1.92		mg/Kg-dry	5	02/02/10 02:52 PM
Cadmium	0.159	0.0962	0.289	J	mg/Kg-dry	5	02/02/10 02:52 PM
Chromium	7.44	0.481	1.92		mg/Kg-dry	5	02/02/10 09:13 PM
Lead	4.44	0.0962	0.289		mg/Kg-dry	5	02/02/10 02:52 PM
Selenium	1.14	0.144	0.481		mg/Kg-dry	5	02/02/10 02:52 PM
Silver	ND	0.0962	0.192		mg/Kg-dry	5	02/02/10 02:52 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Acenaphthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Acenaphthylene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[a]anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[a]pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[b]fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[g,h,i]perylene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[k]fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Chrysene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Dibenz[a,h]anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Fluorene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Indeno[1,2,3-cd]pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Naphthalene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Phenanthrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/30/10 01:15 AM
Surr: 4-Terphenyl-d14	120	0	40 - 140		%REC	1	01/30/10 01:15 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,1-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,2,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,2-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,3-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,3-Trichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,4-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,4-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dibromo-3-chloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dibromoethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3,5-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,4-Dichloro-2-butene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,4-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2-Butanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
2-Chloroethylvinylether	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
2-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2-Hexanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
4-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
4-Methyl-2-pentanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
Acetone	ND	0.0142	0.0473		mg/Kg-dry	1	01/25/10 09:57 PM
Acrylonitrile	ND	0.00284	0.00946		mg/Kg-dry	1	01/25/10 09:57 PM
Benzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromodichloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromoform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Carbon disulfide	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Carbon tetrachloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloroform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
cis-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
cis-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dibromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dibromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dichlorodifluoromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Ethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Hexachlorobutadiene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Iodomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Isopropylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Methyl tert-butyl ether	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Methylene chloride	ND	0.00473	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
n-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
n-Propylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Naphthalene	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
o-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
p-Isopropyltoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
sec-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Styrene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
tert-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Tetrachloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Toluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
trans-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
trans-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Trichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Trichlorofluoromethane	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
Vinyl chloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 09:57 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 09:57 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 09:57 PM
Surr: Toluene-d8	94.4	0	85 - 115		%REC	1	01/25/10 09:57 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.74	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 06:47 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 06:47 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 06:47 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 06:47 PM
Surr: 1,2-Dichloroethane-d4	115	0	70 - 120		%REC	1	01/28/10 06:47 PM
Surr: 4-Bromofluorobenzene	111	0	75 - 120		%REC	1	01/28/10 06:47 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 06:47 PM
Surr: Toluene-d8	98.4	0	85 - 120		%REC	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	0.0500	0.100		mg/L	1	01/26/10 11:41 AM
Surr: Isopropylbenzene	44.5	0	60 - 140	S	%REC	1	01/26/10 11:41 AM
Surr: Octacosane	61.8	0	51 - 124		%REC	1	01/26/10 11:41 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0600	0.100		mg/L	1	01/28/10 05:53 PM
Surr: Tetrachlorethene	110	0	74 - 138		%REC	1	01/28/10 05:53 PM
Total Mercury: Aqueous		**SW7470A**					**Analyst: LM**
Mercury	ND	0.0000600	0.000200		mg/L	1	01/26/10 11:07 AM
Trace Metals: ICP-MS - Water		**SW6020**					**Analyst: CZ**
Arsenic	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Barium	0.00434	0.00300	0.0100	J	mg/L	1	01/26/10 11:38 AM
Cadmium	ND	0.000300	0.00100		mg/L	1	01/26/10 11:38 AM
Chromium	0.00305	0.00200	0.00600	J	mg/L	1	01/26/10 11:38 AM
Lead	0.000369	0.000300	0.00100	J	mg/L	1	01/26/10 11:38 AM
Selenium	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Silver	ND	0.000600	0.00200		mg/L	1	01/26/10 11:38 AM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[b]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[g,h,i]perylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[k]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Chrysene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Dibenz[a,h]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluorene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Indeno[1,2,3-cd]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Naphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Phenanthrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Surr: 2-Fluorobiphenyl	73.6	0	40 - 140		%REC	1	01/26/10 08:39 PM
Surr: 4-Terphenyl-d14	78.7	0	40 - 140		%REC	1	01/26/10 08:39 PM
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 04:41 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 04:41 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 04:41 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Toluene	0.00156	0.000600	0.00200	J	mg/L	1	01/28/10 04:41 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 04:41 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 04:41 PM
Surr: 4-Bromofluorobenzene	107	0	75 - 120		%REC	1	01/28/10 04:41 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 04:41 PM
Surr: Toluene-d8	98.8	0	85 - 120		%REC	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:05 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:05 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:05 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Toluene	0.00187	0.000600	0.00200	J	mg/L	1	01/28/10 05:05 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:05 PM
Surr: 1,2-Dichloroethane-d4	113	0	70 - 120		%REC	1	01/28/10 05:05 PM
Surr: 4-Bromofluorobenzene	109	0	75 - 120		%REC	1	01/28/10 05:05 PM
Surr: Dibromofluoromethane	103	0	85 - 115		%REC	1	01/28/10 05:05 PM
Surr: Toluene-d8	100	0	85 - 120		%REC	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:31 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:31 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:31 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:31 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 05:31 PM
Surr: 4-Bromofluorobenzene	108	0	75 - 120		%REC	1	01/28/10 05:31 PM
Surr: Dibromofluoromethane	105	0	85 - 115		%REC	1	01/28/10 05:31 PM
Surr: Toluene-d8	99.5	0	85 - 120		%REC	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100125A

Sample ID:	LCS-39175	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_100125A	Analysis Date:	01/25/10 12:24 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	99.0	10.0	125.0	0	79.2	50	114			
Surr: Isopropylbenzene	4.74		7.500		63.2	47	142			
Surr: Octacosane	4.84		7.500		64.5	25	162			

Sample ID:	MB-39175	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_100125A	Analysis Date:	01/25/10 12:41 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	4.35		7.500		58.0	47	142			
Surr: Octacosane	4.55		7.500		60.7	25	162			

Sample ID:	1001149-36C-MS	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_100125A	Analysis Date:	01/25/10 04:55 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1520	101	126.4	1275	197	50	114			S
Surr: Isopropylbenzene	4.27		7.587		56.2	47	142			
Surr: Octacosane	42.8		7.587		565	25	162			S

Sample ID:	1001149-36C-MSD	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100125A	Analysis Date:	01/25/10 05:03 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1580	99.4	124.3	1275	248	50	114	3.80	30	S
Surr: Isopropylbenzene	4.63		7.457		62.1	47	142	0	0	
Surr: Octacosane	53.9		7.457		723	25	162	0	0	S

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100125A

Sample ID:	ICV-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 11:59 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	549	10.0	500.0	0	110	85	115			
Surr: Isopropylbenzene	25.1		25.00		100	47	142			
Surr: Octacosane	22.2		25.00		88.7	25	162			

Sample ID:	CCV1-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 02:06 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	264	10.0	250.0	0	106	85	115			
Surr: Isopropylbenzene	12.3		12.50		98.6	47	142			
Surr: Octacosane	11.3		12.50		90.3	25	162			

Sample ID:	CCV2-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 04:32 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	270	10.0	250.0	0	108	85	115			
Surr: Isopropylbenzene	12.0		12.50		95.7	47	142			
Surr: Octacosane	12.7		12.50		102	25	162			

Sample ID:	CCV3-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 05:37 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	219	10.0	250.0	0	87.5	85	115			
Surr: Isopropylbenzene	11.8		12.50		94.8	47	142			
Surr: Octacosane	10.6		12.50		84.6	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100126A

Sample ID:	LCS-39190	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	LCS	Run ID:	GC15_100126A	Analysis Date:	01/26/10 09:40 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.782	0.100	1.250	0	62.5	50	114			
Surr: Isopropylbenzene	0.0651		0.1500		43.4	60	140			S
Surr: Octacosane	0.102		0.1500		68.2	51	124			

Sample ID:	MB-39190	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MBLK	Run ID:	GC15_100126A	Analysis Date:	01/26/10 09:57 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	0.100								
Surr: Isopropylbenzene	0.0631		0.1500		42.1	60	140			S
Surr: Octacosane	0.100		0.1500		66.7	51	124			

Sample ID:	1001147-01DMS	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MS	Run ID:	GC15_100126A	Analysis Date:	01/26/10 10:56 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.949	0.100	1.250	0	75.9	50	114			
Surr: Isopropylbenzene	0.0601		0.1500		40.1	60	140			S
Surr: Octacosane	0.102		0.1500		68.0	51	124			

Sample ID:	1001147-01DMSD	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MSD	Run ID:	GC15_100126A	Analysis Date:	01/26/10 11:04 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1.05	0.100	1.250	0	83.9	50	114	9.96	30	
Surr: Isopropylbenzene	0.0715		0.1500		47.7	60	140	0	0	S
Surr: Octacosane	0.111		0.1500		74.0	51	124	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100126A

Sample ID:	ICV-100126	Batch ID:	R47544	TestNo:	M8015D	Units:	mg/L
SampType:	ICV	Run ID:	GC15_100126A	Analysis Date:	01/26/10 09:10 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	454	0.100	500.0	0	90.8	85	115			
Surr: Isopropylbenzene	23.7		25.00		94.8	80	120			
Surr: Octacosane	21.8		25.00		87.1	80	120			

Sample ID:	CCV1-100126	Batch ID:	R47544	TestNo:	M8015D	Units:	mg/L
SampType:	CCV	Run ID:	GC15_100126A	Analysis Date:	01/26/10 11:21 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	248	0.100	250.0	0	99.2	85	115			
Surr: Isopropylbenzene	12.5		12.50		100	80	120			
Surr: Octacosane	10.7		12.50		85.2	80	120			

Sample ID:	CCV2-100126	Batch ID:	R47544	TestNo:	M8015D	Units:	mg/L
SampType:	CCV	Run ID:	GC15_100126A	Analysis Date:	01/26/10 12:55 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	257	0.100	250.0	0	103	85	115			
Surr: Isopropylbenzene	12.7		12.50		101	80	120			
Surr: Octacosane	10.8		12.50		86.1	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100201A

Sample ID:	LCS-39294	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_100201A	Analysis Date:	02/01/10 09:49 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	92.2	10.0	125.0	0	73.8	50	114			
Surr: Isopropylbenzene	4.67		7.500		62.3	47	142			
Surr: Octacosane	4.95		7.500		65.9	25	162			

Sample ID:	MB-39294	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_100201A	Analysis Date:	02/01/10 10:06 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	3.26		7.500		43.4	47	142			S
Surr: Octacosane	4.83		7.500		64.4	25	162			

Sample ID:	1001149-14C-MS	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:05 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	241	10.5	130.7	131.4	83.6	50	114			
Surr: Isopropylbenzene	5.11		7.840		65.2	47	142			
Surr: Octacosane	11.1		7.840		142	25	162			

Sample ID:	1001149-14C-MSD	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:13 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	204	10.5	131.6	131.4	55.1	50	114	16.5	30	
Surr: Isopropylbenzene	4.78		7.894		60.5	47	142	0	0	
Surr: Octacosane	9.37		7.894		119	25	162	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100201A

Sample ID:	ICV-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 09:21 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	524	10.0	500.0	0	105	85	115			
Surr: Isopropylbenzene	25.2		25.00		101	47	142			
Surr: Octacosane	21.8		25.00		87.4	25	162			

Sample ID:	CCV-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:30 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	272	10.0	250.0	0	109	85	115			
Surr: Isopropylbenzene	13.6		12.50		108	47	142			
Surr: Octacosane	12.2		12.50		97.7	25	162			

Sample ID:	CCV1-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 02:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	257	10.0	250.0	0	103	85	115			
Surr: Isopropylbenzene	12.6		12.50		101	47	142			
Surr: Octacosane	10.8		12.50		86.7	25	162			

Sample ID:	CCV2-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 04:41 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	257	10.0	250.0	0	103	85	115			
Surr: Isopropylbenzene	11.8		12.50		94.5	47	142			
Surr: Octacosane	12.5		12.50		99.8	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127B

Sample ID:	LCS-39240	Batch ID:	39240	TestNo:	M8015V	Units:	mg/Kg
SampType:	LCS	Run ID:	GC4_100127B	Analysis Date:	01/27/10 04:50 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.89	0.200	5.000	0	97.8	68	126			
Surr: Tetrachlorethene	0.373		0.4000		93.3	70	134			

Sample ID:	MB-39240	Batch ID:	39240	TestNo:	M8015V	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC4_100127B	Analysis Date:	01/27/10 05:13 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.385		0.4000		96.3	70	134			

Sample ID:	1001149-21BMS	Batch ID:	39240	TestNo:	M8015V	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC4_100127B	Analysis Date:	01/28/10 02:29 AM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.09	0.199	4.966	0	82.4	68	126			
Surr: Tetrachlorethene	0.429		0.3973		108	70	134			

Sample ID:	1001149-21BMSD	Batch ID:	39240	TestNo:	M8015V	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC4_100127B	Analysis Date:	01/28/10 02:52 AM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.31	0.195	4.881	0	88.4	68	126	5.26	30	
Surr: Tetrachlorethene	0.434		0.3905		111	70	134	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127B

Sample ID:	ICV-100127	**Batch ID:**	R47581		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	ICV	**Run ID:**	GC4_100I27B		**Analysis Date:**		01/27/10 04:26 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		9.68	0.200	10.00	0	96.8	80	120			
Surr: Tetrachlorethene		0.356		0.4000		89.0	70	134			

Sample ID:	CCV1-I00127	**Batch ID:**	R47581		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	CCV	**Run ID:**	GC4_100127B		**Analysis Date:**		01/27/10 09:52 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		4.75	0.200	5.000	0	95.1	80	120			
Surr: Tetrachlorethene		0.396		0.4000		99.1	70	134			

Sample ID:	CCV2-100127	**Batch ID:**	R47581		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	CCV	**Run ID:**	GC4_100127B		**Analysis Date:**		01/28/10 03:15 AM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		4.90	0.200	5.000	0	98.0	80	120			
Surr: Tetrachlorethene		0.421		0.4000		105	70	134			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127C

Sample ID:	LCS-39242	Batch ID:	39242	TestNo:	M8015V	Units:	mg/Kg
SampType:	LCS	Run ID:	GC4_100127C	Analysis Date:	01/28/10 04:01 AM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.85	0.200	5.000	0	97.1	68	126			
Surr: Tetrachlorethene	0.407		0.4000		102	70	134			

Sample ID:	MB-39242	Batch ID:	39242	TestNo:	M8015V	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC4_100127C	Analysis Date:	01/28/10 04:48 AM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.425		0.4000		106	70	134			

Sample ID:	1001149-49BMS	Batch ID:	39242	TestNo:	M8015V	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC4_100127C	Analysis Date:	01/28/10 12:59 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.86	0.202	5.045	0	96.4	68	126			
Surr: Tetrachlorethene	0.442		0.4036		109	70	134			

Sample ID:	1001149-49BMSD	Batch ID:	39242	TestNo:	M8015V	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC4_100127C	Analysis Date:	01/28/10 01:23 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.41	0.196	4.902	0	89.9	68	126	9.87	30	
Surr: Tetrachlorethene	0.437		0.3922		112	70	134	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127C

Sample ID:	ICV-100127	**Batch ID:**	R47584		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	ICV	**Run ID:**	GC4_100127C		**Analysis Date:**		01/28/10 03:38 AM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		9.50	0.200	10.00	0	95.0	80	120			
Surr: Tetrachlorethene		0.365		0.4000		91.2	70	134			

Sample ID:	CCV1-100127	**Batch ID:**	R47584		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	CCV	**Run ID:**	GC4_100127C		**Analysis Date:**		01/28/10 09:54 AM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		4.76	0.200	5.000	0	95.3	80	120			
Surr: Tetrachlorethene		0.407		0.4000		102	70	134			

Sample ID:	CCV2-100127	**Batch ID:**	R47584		**TestNo:**		M8015V		**Units:**		mg/Kg
SampType:	CCV	**Run ID:**	GC4_100127C		**Analysis Date:**		01/28/10 01:46 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		4.81	0.200	5.000	0	96.2	80	120			
Surr: Tetrachlorethene		0.388		0.4000		97.1	70	134			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100128A

Sample ID:	LCS-39265	Batch ID:	39265	TestNo:	M8015V	Units:	mg/L
SampType:	LCS	Run ID:	GC4_100128A	Analysis Date:	01/28/10 03:11 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	5.00	0.100	5.000	0	100	67	136			
Surr: Tetrachlorethene	0.429		0.4000		107	74	138			

Sample ID:	LCSD-39265	Batch ID:	39265	TestNo:	M8015V	Units:	mg/L
SampType:	LCSD	Run ID:	GC4_100128A	Analysis Date:	01/28/10 03:34 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	4.99	0.100	5.000	0	99.8	67	136	0.157	30	
Surr: Tetrachlorethene	0.432		0.4000		108	74	138	0	0	

Sample ID:	MB-39265	Batch ID:	39265	TestNo:	M8015V	Units:	mg/L
SampType:	MBLK	Run ID:	GC4_100128A	Analysis Date:	01/28/10 03:58 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.100								
Surr: Tetrachlorethene	0.437		0.4000		109	74	138			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100128A

Sample ID:	ICV-100128	**Batch ID:**	R47598		**TestNo:**		M8015V		**Units:**		mg/L
SampType:	ICV	**Run ID:**	GC4_100128A		**Analysis Date:**		01/28/10 02:48 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		9.96	0.100	10.00	0	99.6	80	120			
Surr: Tetrachlorethene		0.411		0.4000		103	74	138			

Sample ID:	CCV1-100128	**Batch ID:**	R47598		**TestNo:**		M8015V		**Units:**		mg/L
SampType:	CCV	**Run ID:**	GC4_100128A		**Analysis Date:**		01/28/10 06:15 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Gasoline Range Organics		4.85	0.100	5.000	0	96.9	80	120			
Surr: Tetrachlorethene		0.396		0.4000		99.0	74	138			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100126C

Sample ID:	MB-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	MBLK	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:27 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.000200								

Sample ID:	LCS-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	LCS	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:40 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00177	0.000200	0.00200	0	88.5	85	115			

Sample ID:	LCSD-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	LCSD	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:42 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00181	0.000200	0.00200	0	90.5	85	115	2.23	15	

Sample ID:	1001149-53C SD	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	SD	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:10 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.00100	0	0				0	10	

Sample ID:	1001149-53C PDS	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	PDS	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:12 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00226	0.000200	0.00250	0	90.4	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100126C

Sample ID:	ICV-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	ICV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:19 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00381	0.000200	0.00400	0	95.2	90	110			

Sample ID:	CCV1-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	CCV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:49 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00206	0.000200	0.00200	0	103	90	110			

Sample ID:	CCV2-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	CCV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:16 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00202	0.000200	0.00200	0	101	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	MB-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:28 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0500								

Sample ID:	LCS-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:39 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.176	0.0500	0.2000	0	88.0	85	115			

Sample ID:	LCSD-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:41 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.176	0.0500	0.2000	0	88.0	85	115	0	25	

Sample ID:	1001149-14C SD	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:52 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.267	0	0				0	10	

Sample ID:	1001149-14C PDS	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:59 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.230	0.0534	0.2668	0	86.4	85	115			

Sample ID:	1001149-14C MS	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:03 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.179	0.0521	0.2086	0	86.0	80	120			

Sample ID:	1001149-14C MSD	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:26 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.173	0.0511	0.2044	0	84.5	80	120	3.79	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	MB-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:30 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0500								

Sample ID:	LCS-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:46 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.188	0.0500	0.2000	0	94.0	85	115			

Sample ID:	LCSD-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:48 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.190	0.0500	0.2000	0	95.0	85	115	1.06	25	

Sample ID:	1001149-30C SD	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:07 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.243	0	0				0	10	

Sample ID:	1001149-30C PDS	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:14 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.209	0.0486	0.2431	0	86.0	85	115			

Sample ID:	1001149-30C MS	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:20 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.160	0.0479	0.1915	0	83.5	80	120			

Sample ID:	1001149-30C MSD	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:22 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.161	0.0480	0.1920	0	84.0	80	120	0.878	25	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	ICV-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 10:20 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00388	0.0500	0.004000	0	97.0	90	110			

Sample ID:	CCV1-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 11:22 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00188	0.0500	0.002000	0	94.0	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 11:46 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00186	0.0500	0.002000	0	93.0	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 12:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00186	0.0500	0.002000	0	93.0	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 12:41 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00190	0.0500	0.002000	0	95.0	90	110			

Sample ID:	CCV5-100201	Batch ID:	R47641	TestNo:	SW7471A	Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A	Analysis Date:	02/01/10 01:04 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury	0.00188	0.0500	0.002000	0	94.0	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201B

Sample ID:	MB-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:21 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0500								

Sample ID:	LCS-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:31 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.203	0.0500	0.2000	0	102	85	115			

Sample ID:	LCSD-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:33 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.211	0.0500	0.2000	0	106	85	115	3.86	25	

Sample ID:	1001149-44C SD	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:23 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.237	0	0				0	10	

Sample ID:	1001149-44C PDS	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:31 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.255	0.0473	0.2367	0	108	85	115			

Sample ID:	1001149-44C MS	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:33 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.201	0.0469	0.1874	0	107	80	120			

Sample ID:	1001149-44C MSD	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:35 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.208	0.0473	0.1893	0	110	80	120	3.73	25	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201B

Sample ID:	ICV2-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:15 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00365	0.0500	0.004000	0	91.2	90	110			

Sample ID:	CCV1-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00204	0.0500	0.002000	0	102	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:25 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00204	0.0500	0.002000	0	102	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:52 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00205	0.0500	0.002000	0	103	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 04:06 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00206	0.0500	0.002000	0	103	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	MB-39207	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 04:36 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								

Sample ID:	LCS-39207	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 04:42 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.2	1.00	50.00	0	96.4	80	120			
Barium	47.9	2.00	50.00	0	95.9	80	120			
Cadmium	48.1	0.300	50.00	0	96.2	80	120			
Chromium	50.2	2.00	50.00	0	100	80	120			
Lead	48.4	0.300	50.00	0	96.9	80	120			
Selenium	49.8	0.500	50.00	0	99.7	80	120			
Silver	50.6	0.200	50.00	0	101	80	120			

Sample ID:	LCSD-39207	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 04:48 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.0	1.00	50.00	0	96.0	80	120	0.364	20	
Barium	48.4	2.00	50.00	0	96.8	80	120	0.935	20	
Cadmium	48.2	0.300	50.00	0	96.3	80	120	0.156	20	
Chromium	50.1	2.00	50.00	0	100	80	120	0.049	20	
Lead	48.2	0.300	50.00	0	96.4	80	120	0.465	20	
Selenium	50.0	0.500	50.00	0	100	80	120	0.300	20	
Silver	51.2	0.200	50.00	0	103	80	120	1.33	20	

Sample ID:	1001149-14C SD	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 05:53 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	2.65	5.13	0	2.699				1.68	10	
Barium	226	10.3	0	234.7				3.71	10	
Cadmium	0	1.54	0	0.3009				0	10	
Chromium	12.0	10.3	0	10.67				11.9	10	R
Lead	17.7	1.54	0	18.05				1.78	10	
Selenium	2.36	2.57	0	2.168				8.34	10	
Silver	0	1.03	0	0				0	10	

Sample ID:	1001149-14C PDS	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 05:58 PM	Prep Date:	01/27/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.4	1.03	51.31	2.699	91.0	75	125			
Barium	295	2.05	51.31	234.7	118	75	125			
Cadmium	48.4	0.308	51.31	0.3009	93.7	75	125			
Chromium	53.6	2.05	51.31	10.67	83.6	75	125			
Lead	68.9	0.308	51.31	18.05	99.2	75	125			
Selenium	49.6	0.513	51.31	2.168	92.5	75	125			
Silver	51.3	0.205	51.31	0	99.9	75	125			

Sample ID: 1001149-14C MS **Batch ID:** 39207 **TestNo:** SW6020 **Units:** mg/Kg-dry
SampType: MS **Run ID:** ICP-MS2_100201B **Analysis Date:** 02/01/10 06:04 PM **Prep Date:** 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.1	1.04	51.81	2.699	87.6	80	120			
Barium	288	2.07	51.81	234.7	103	80	120			
Cadmium	49.3	0.311	51.81	0.3009	94.6	80	120			
Chromium	53.6	2.07	51.81	10.67	82.8	80	120			
Lead	66.7	0.311	51.81	18.05	93.9	80	120			
Selenium	48.8	0.518	51.81	2.168	90.0	80	120			
Silver	51.3	0.207	51.81	0	98.9	80	120			

Sample ID: 1001149-14C MSD **Batch ID:** 39207 **TestNo:** SW6020 **Units:** mg/Kg-dry
SampType: MSD **Run ID:** ICP-MS2_100201B **Analysis Date:** 02/01/10 06:10 PM **Prep Date:** 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.3	1.05	52.32	2.699	89.0	80	120	2.42	20	
Barium	289	2.09	52.32	234.7	104	80	120	0.254	20	
Cadmium	49.5	0.314	52.32	0.3009	94.1	80	120	0.396	20	
Chromium	54.6	2.09	52.32	10.67	83.9	80	120	1.79	20	
Lead	69.1	0.314	52.32	18.05	97.5	80	120	3.51	20	
Selenium	50.4	0.523	52.32	2.168	92.2	80	120	3.18	20	
Silver	51.6	0.209	52.32	0	98.7	80	120	0.723	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	MB-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:02 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								

Sample ID:	LCS-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:08 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.9	1.00	50.00	0	95.8	80	120			
Barium	47.6	2.00	50.00	0	95.1	80	120			
Cadmium	48.1	0.300	50.00	0	96.1	80	120			
Chromium	49.7	2.00	50.00	0	99.4	80	120			
Lead	48.3	0.300	50.00	0	96.6	80	120			
Selenium	49.4	0.500	50.00	0	98.8	80	120			
Silver	50.2	0.200	50.00	0	100	80	120			

Sample ID:	LCSD-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:14 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.0	1.00	50.00	0	95.9	80	120	0.157	20	
Barium	47.6	2.00	50.00	0	95.1	80	120	0	20	
Cadmium	48.1	0.300	50.00	0	96.1	80	120	0	20	
Chromium	49.3	2.00	50.00	0	98.6	80	120	0.757	20	
Lead	48.2	0.300	50.00	0	96.3	80	120	0.259	20	
Selenium	49.6	0.500	50.00	0	99.2	80	120	0.454	20	
Silver	49.9	0.200	50.00	0	99.8	80	120	0.500	20	

Sample ID:	1001149-30C SD	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:25 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0	4.88	0	1.617				0	10	
Barium	96.9	9.76	0	106.1				9.09	10	
Cadmium	0	1.46	0	0.1257				0	10	
Chromium	7.62	9.76	0	8.411				9.82	10	
Lead	3.78	1.46	0	4.222				11.0	10	R
Selenium	1.45	2.44	0	1.198				18.8	10	R
Silver	0	0.976	0	0				0	10	

Sample ID:	1001149-30C PDS	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:31 PM	Prep Date:	01/27/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.0	0.976	48.81	1.617	93.0	75	125			
Barium	150	1.95	48.81	106.1	90.8	75	125			
Cadmium	46.8	0.293	48.81	0.1257	95.6	75	125			
Chromium	52.3	1.95	48.81	8.411	90.0	75	125			
Lead	52.7	0.293	48.81	4.222	99.4	75	125			
Selenium	47.1	0.488	48.81	1.198	94.0	75	125			
Silver	49.9	0.195	48.81	0	102	75	125			

Sample ID: 1001149-30C MS **Batch ID:** 39210 **TestNo:** SW6020 **Units:** mg/Kg-dry
SampType: MS **Run ID:** ICP-MS2_100201B **Analysis Date:** 02/01/10 09:37 PM **Prep Date:** 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	46.3	0.986	49.28	1.617	90.6	80	120			
Barium	140	1.97	49.28	106.1	69.2	80	120			S
Cadmium	47.1	0.296	49.28	0.1257	95.3	80	120			
Chromium	51.9	1.97	49.28	8.411	88.2	80	120			
Lead	51.4	0.296	49.28	4.222	95.7	80	120			
Selenium	47.4	0.493	49.28	1.198	93.8	80	120			
Silver	49.4	0.197	49.28	0	100	80	120			

Sample ID: 1001149-30C MSD **Batch ID:** 39210 **TestNo:** SW6020 **Units:** mg/Kg-dry
SampType: MSD **Run ID:** ICP-MS2_100201B **Analysis Date:** 02/01/10 09:43 PM **Prep Date:** 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	45.3	0.976	48.81	1.617	89.5	80	120	2.14	20	
Barium	145	1.95	48.81	106.1	79.4	80	120	3.24	20	S
Cadmium	46.3	0.293	48.81	0.1257	94.5	80	120	1.80	20	
Chromium	51.0	1.95	48.81	8.411	87.3	80	120	1.67	20	
Lead	50.8	0.293	48.81	4.222	95.4	80	120	1.20	20	
Selenium	46.2	0.488	48.81	1.198	92.1	80	120	2.74	20	
Silver	48.3	0.195	48.81	0	98.9	80	120	2.26	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	ICV1-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 12:12 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0984	0.00600	0.100	0	98.4	90	110			
Barium	0.0960	0.0100	0.100	0	96.0	90	110			
Cadmium	0.0974	0.00100	0.100	0	97.4	90	110			
Chromium	0.101	0.00600	0.100	0	101	90	110			
Lead	0.0968	0.00100	0.100	0	96.8	90	110			
Selenium	0.100	0.00600	0.100	0	100	90	110			
Silver	0.101	0.00200	0.100	0	101	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 04:18 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.196	0.00600	0.200	0	98.1	90	110			
Barium	0.190	0.0100	0.200	0	94.9	90	110			
Cadmium	0.192	0.00100	0.200	0	96.1	90	110			
Chromium	0.200	0.00600	0.200	0	99.8	90	110			
Lead	0.192	0.00100	0.200	0	96.0	90	110			
Selenium	0.210	0.00600	0.200	0	105	90	110			
Silver	0.197	0.00200	0.200	0	98.6	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 06:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.193	0.00600	0.200	0	96.5	90	110			
Barium	0.190	0.0100	0.200	0	95.0	90	110			
Cadmium	0.190	0.00100	0.200	0	95.2	90	110			
Chromium	0.198	0.00600	0.200	0	99.0	90	110			
Lead	0.190	0.00100	0.200	0	94.8	90	110			
Selenium	0.206	0.00600	0.200	0	103	90	110			
Silver	0.195	0.00200	0.200	0	97.7	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 07:33 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.191	0.00600	0.200	0	95.6	90	110			
Barium	0.189	0.0100	0.200	0	94.6	90	110			
Cadmium	0.189	0.00100	0.200	0	94.6	90	110			
Chromium	0.199	0.00600	0.200	0	99.3	90	110			
Lead	0.189	0.00100	0.200	0	94.5	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			

Sample ID:	CCV5-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:48 PM	Prep Date:	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.191	0.00600	0.200	0	95.4	90	110			
Barium	0.186	0.0100	0.200	0	93.0	90	110			
Cadmium	0.188	0.00100	0.200	0	94.2	90	110			
Chromium	0.196	0.00600	0.200	0	97.8	90	110			
Lead	0.187	0.00100	0.200	0	93.4	90	110			
Selenium	0.198	0.00600	0.200	0	98.8	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			

Sample ID:	CCV6-100201	**Batch ID:**	R47651	**TestNo:**	SW6020	**Units:**	mg/L		
SampType:	CCV	**Run ID:**	ICP-MS2_100201B	**Analysis Date:**	02/01/10 11:05 PM	**Prep Date:**			

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.187	0.00600	0.200	0	93.6	90	110			
Barium	0.186	0.0100	0.200	0	93.2	90	110			
Cadmium	0.186	0.00100	0.200	0	92.8	90	110			
Chromium	0.195	0.00600	0.200	0	97.7	90	110			
Lead	0.188	0.00100	0.200	0	93.8	90	110			
Selenium	0.195	0.00600	0.200	0	97.6	90	110			
Silver	0.193	0.00200	0.200	0	96.6	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Sample ID:	LCS-39273	Batch ID:	39273	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 12:15 PM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.5	1.00	50.00	0	97.0	80	120			
Barium	49.6	2.00	50.00	0	99.2	80	120			
Cadmium	49.6	0.300	50.00	0	99.2	80	120			
Chromium	49.9	2.00	50.00	0	99.9	80	120			
Lead	49.6	0.300	50.00	0	99.3	80	120			
Selenium	48.8	0.500	50.00	0	97.5	80	120			
Silver	51.5	0.200	50.00	0	103	80	120			

Sample ID:	LCSD-39273	Batch ID:	39273	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 12:21 PM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.2	1.00	50.00	0	98.5	80	120	1.48	20	
Barium	50.3	2.00	50.00	0	101	80	120	1.35	20	
Cadmium	50.1	0.300	50.00	0	100	80	120	0.903	20	
Chromium	51.2	2.00	50.00	0	102	80	120	2.57	20	
Lead	49.9	0.300	50.00	0	99.8	80	120	0.502	20	
Selenium	49.6	0.500	50.00	0	99.1	80	120	1.63	20	
Silver	51.5	0.200	50.00	0	103	80	120	0.097	20	

Sample ID:	1001149-41C SD	Batch ID:	39273	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 01:48 PM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0	5.03	0	1.813				0	10	
Barium	116	10.1	0	122.0				5.38	10	
Cadmium	0	1.51	0	0.1788				0	10	
Lead	4.60	1.51	0	4.792				4.10	10	
Selenium	0.758	2.52	0	1.334				55.1	10	R
Silver	0	1.01	0	0				0	10	

Sample ID:	1001149-41C PDS	Batch ID:	39273	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 01:54 PM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.9	1.01	50.34	1.813	95.6	75	125			
Barium	178	2.01	50.34	122.0	112	75	125			
Cadmium	49.3	0.302	50.34	0.1788	97.6	75	125			
Lead	55.9	0.302	50.34	4.792	102	75	125			
Selenium	48.3	0.503	50.34	1.334	93.3	75	125			
Silver	50.4	0.201	50.34	0	100	75	125			

Sample ID:	1001149-41C MS	Batch ID:	39273	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	MS	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 02:00 PM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	43.0	0.902	45.08	1.813	91.4	80	120			
Barium	175	1.80	45.08	122.0	117	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Cadmium	43.9	0.271	45.08	0.1788	96.9	80	120	
Lead	49.3	0.271	45.08	4.792	98.7	80	120	
Selenium	42.9	0.451	45.08	1.334	92.1	80	120	
Silver	43.8	0.180	45.08	0	97.1	80	120	

Sample ID:	1001149-41C MSD	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg-dry	
SampType:	MSD	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 02:05 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		42.0	0.894	44.70	1.813	89.9	80	120	2.45	20	
Barium		174	1.79	44.70	122.0	117	80	120	0.184	20	
Cadmium		42.9	0.268	44.70	0.1788	95.6	80	120	2.16	20	
Lead		48.3	0.268	44.70	4.792	97.3	80	120	2.06	20	
Selenium		41.6	0.447	44.70	1.334	90.1	80	120	2.99	20	
Silver		43.1	0.179	44.70	0	96.5	80	120	1.54	20	

Sample ID:	MB-39273	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg	
SampType:	MBLK	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 07:16 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		ND	1.00								
Barium		ND	2.00								
Cadmium		ND	0.300								
Chromium		ND	2.00								
Lead		ND	0.300								
Selenium		ND	0.500								
Silver		ND	0.200								

Sample ID:	1001149-41C SD	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg-dry	
SampType:	SD	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 08:20 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Chromium		7.62	10.1	0	7.425				2.66	10	

Sample ID:	1001149-41C PDS	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg-dry	
SampType:	PDS	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 08:26 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Chromium		55.1	2.01	50.34	7.425	94.8	75	125			

Sample ID:	1001149-41C MS	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg-dry	
SampType:	MS	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 08:32 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Chromium		46.3	1.80	45.08	7.425	86.3	80	120			

Sample ID:	1001149-41C MSD	**Batch ID:**	39273	**TestNo:**	SW6020		**Units:**	mg/Kg-dry	
SampType:	MSD	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 08:38 PM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Chromium		46.6	1.79	44.70	7.425	87.6	80	120	0.583	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Sample ID:	ICV1-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 11:57 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0975	0.00600	0.100	0	97.5	90	110			
Barium	0.0948	0.0100	0.100	0	94.8	90	110			
Cadmium	0.0954	0.00100	0.100	0	95.4	90	110			
Chromium	0.0978	0.00600	0.100	0	97.8	90	110			
Lead	0.0964	0.00100	0.100	0	96.4	90	110			
Selenium	0.0973	0.00600	0.100	0	97.3	90	110			
Silver	0.0994	0.00200	0.100	0	99.4	90	110			

Sample ID:	CCVI-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 02:11 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	99.2	90	110			
Barium	0.192	0.0100	0.200	0	96.0	90	110			
Cadmium	0.193	0.00100	0.200	0	96.7	90	110			
Chromium	0.203	0.00600	0.200	0	101	90	110			
Lead	0.193	0.00100	0.200	0	96.6	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.196	0.00200	0.200	0	97.8	90	110			

Sample ID:	CCV2-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	98.8	90	110			
Barium	0.187	0.0100	0.200	0	93.6	90	110			
Cadmium	0.190	0.00100	0.200	0	95.2	90	110			
Chromium	0.197	0.00600	0.200	0	98.5	90	110			
Lead	0.192	0.00100	0.200	0	96.0	90	110			
Selenium	0.203	0.00600	0.200	0	102	90	110			
Silver	0.191	0.00200	0.200	0	95.5	90	110			

Sample ID:	ICV2-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 06:47 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0971	0.00600	0.100	0	97.1	90	110			
Barium	0.0910	0.0100	0.100	0	91.0	90	110			
Cadmium	0.0940	0.00100	0.100	0	94.0	90	110			
Chromium	0.0974	0.00600	0.100	0	97.4	90	110			
Lead	0.0938	0.00100	0.100	0	93.8	90	110			
Selenium	0.0980	0.00600	0.100	0	98.0	90	110			
Silver	0.0974	0.00200	0.100	0	97.4	90	110			

Sample ID:	CCV4-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 08:44 PM	Prep Date:	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.197	0.00600	0.200	0	98.6	90	110			
Barium	0.189	0.0100	0.200	0	94.6	90	110			
Cadmium	0.196	0.00100	0.200	0	98.2	90	110			
Chromium	0.204	0.00600	0.200	0	102	90	110			
Lead	0.193	0.00100	0.200	0	96.6	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.200	0.00200	0.200	0	100	90	110			

Sample ID:	CCV5-100202	**Batch ID:**	R47680	**TestNo:**	SW6020	**Units:**	mg/L
SampType:	CCV	**Run ID:**	ICP-MS2_100202A	**Analysis Date:**	02/02/10 09:19 PM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	0.198	0.00600	0.200	0	98.8	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Sample ID:	MB-39165	**Batch ID:**	39165		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	MBLK	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 11:16 AM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		ND	0.00600								
Barium		ND	0.0100								
Cadmium		ND	0.00100								
Chromium		ND	0.00600								
Lead		ND	0.00100								
Selenium		ND	0.00600								
Silver		ND	0.00200								

Sample ID:	LCS-39165	**Batch ID:**	39165		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	LCS	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 11:22 AM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		0.200	0.00600	0.200	0	99.8	80	120			
Barium		0.194	0.0100	0.200	0	96.8	80	120			
Cadmium		0.195	0.00100	0.200	0	97.4	80	120			
Chromium		0.194	0.00600	0.200	0	97.0	80	120			
Lead		0.198	0.00100	0.200	0	99.1	80	120			
Selenium		0.206	0.00600	0.200	0	103	80	120			
Silver		0.199	0.00200	0.200	0	99.7	80	120			

Sample ID:	LCSD-39165	**Batch ID:**	39165		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	LCSD	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 11:27 AM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		0.197	0.00600	0.200	0	98.4	80	120	1.31	15	
Barium		0.192	0.0100	0.200	0	95.8	80	120	0.935	15	
Cadmium		0.194	0.00100	0.200	0	97.2	80	120	0.154	15	
Chromium		0.191	0.00600	0.200	0	95.4	80	120	1.56	15	
Lead		0.197	0.00100	0.200	0	98.6	80	120	0.506	15	
Selenium		0.207	0.00600	0.200	0	103	80	120	0.533	15	
Silver		0.199	0.00200	0.200	0	99.4	80	120	0.301	15	

Sample ID:	1001140-02A SD	**Batch ID:**	39165		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	SD	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 11:55 AM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		0	0.0300	0	0.00891				0	10	
Barium		0.0496	0.0500	0	0.0503				1.55	10	
Cadmium		0	0.00500	0	0				0	10	
Chromium		0	0.0300	0	0				0	10	
Lead		0	0.00500	0	0.000436				0	10	
Selenium		0.0123	0.0300	0	0.0119				3.34	10	
Silver		0	0.0100	0	0				0	10	

Sample ID:	1001140-02A PDS	**Batch ID:**	39165	**TestNo:**	SW6020	**Units:**	mg/L
SampType:	PDS	**Run ID:**	ICP-MS3_100126A	**Analysis Date:**	01/26/10 12:00 PM	**Prep Date:**	01/25/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.222	0.00600	0.200	0.00891	107	75	125			
Barium	0.266	0.0100	0.200	0.0503	108	75	125			
Cadmium	0.200	0.00100	0.200	0	100	75	125			
Chromium	0.206	0.00600	0.200	0	103	75	125			
Lead	0.225	0.00100	0.200	0.000436	112	75	125			
Selenium	0.208	0.00600	0.200	0.0119	98.0	75	125			
Silver	0.208	0.00200	0.200	0	104	75	125			

Sample ID:	1001140-02A MS	**Batch ID:**	39165	**TestNo:**	SW6020	**Units:**	mg/L		
SampType:	MS	**Run ID:**	ICP-MS3_100126A	**Analysis Date:**	01/26/10 12:06 PM	**Prep Date:**	01/25/10		

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.205	0.00600	0.200	0.00891	97.8	80	120			
Barium	0.244	0.0100	0.200	0.0503	96.7	80	120			
Cadmium	0.183	0.00100	0.200	0	91.6	80	120			
Chromium	0.189	0.00600	0.200	0	94.6	80	120			
Lead	0.202	0.00100	0.200	0.000436	101	80	120			
Selenium	0.200	0.00600	0.200	0.0119	94.0	80	120			
Silver	0.187	0.00200	0.200	0	93.6	80	120			

Sample ID:	1001140-02A MSD	**Batch ID:**	39165	**TestNo:**	SW6020	**Units:**	mg/L		
SampType:	MSD	**Run ID:**	ICP-MS3_100126A	**Analysis Date:**	01/26/10 12:11 PM	**Prep Date:**	01/25/10		

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.207	0.00600	0.200	0.00891	99.1	80	120	1.26	15	
Barium	0.246	0.0100	0.200	0.0503	97.8	80	120	0.939	15	
Cadmium	0.183	0.00100	0.200	0	91.6	80	120	0	15	
Chromium	0.185	0.00600	0.200	0	92.6	80	120	2.08	15	
Lead	0.203	0.00100	0.200	0.000436	101	80	120	0.594	15	
Selenium	0.195	0.00600	0.200	0.0119	91.4	80	120	2.58	15	
Silver	0.189	0.00200	0.200	0	94.3	80	120	0.799	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Sample ID:	ICV1-100126	**Batch ID:**	R47547		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	ICV	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 10:54 AM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		0.102	0.00600	0.100	0	102	90	110			
Barium		0.0973	0.0100	0.100	0	97.3	90	110			
Cadmium		0.0975	0.00100	0.100	0	97.5	90	110			
Chromium		0.0971	0.00600	0.100	0	97.1	90	110			
Lead		0.100	0.00100	0.100	0	100	90	110			
Selenium		0.105	0.00600	0.100	0	105	90	110			
Silver		0.102	0.00200	0.100	0	102	90	110			

Sample ID:	CCV1-100126	**Batch ID:**	R47547		**TestNo:**		SW6020		**Units:**		mg/L
SampType:	CCV	**Run ID:**	ICP-MS3_100126A		**Analysis Date:**		01/26/10 12:16 PM		**Prep Date:**		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Arsenic		0.201	0.00600	0.200	0	100	90	110			
Barium		0.196	0.0100	0.200	0	98.0	90	110			
Cadmium		0.197	0.00100	0.200	0	98.6	90	110			
Chromium		0.191	0.00600	0.200	0	95.6	90	110			
Lead		0.199	0.00100	0.200	0	99.4	90	110			
Selenium		0.210	0.00600	0.200	0	105	90	110			
Silver		0.201	0.00200	0.200	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100203A

Sample ID:	ICV1-100203	Batch ID:	R47692		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_100203A		Analysis Date:		02/03/10 11:05 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium		0.0968	0.00600	0.100	0	96.8	90	110			

Sample ID:	CCV1-100203	Batch ID:	R47692		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_100203A		Analysis Date:		02/03/10 12:39 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium		0.188	0.00600	0.200	0	93.8	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Sample ID:	LCS-39319	**Batch ID:**	39319	**TestNo:**	SW8270C	**Units:**	mg/Kg
SampType:	LCS	**Run ID:**	GCMS4_100202A	**Analysis Date:**	02/03/10 12:27 AM	**Prep Date:**	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	2.40	0.133	2.640	0	90.9	35	125			
1,2,4-Trichlorobenzene	1.26	0.133	1.340	0	94.0	45	110			
1,2-Dichlorobenzene	1.01	0.133	1.340	0	75.6	45	100			
1,2-Diphenylhydrazine	1.31	0.133	1.340	0	97.5	38	125			
1,3-Dichlorobenzene	1.11	0.133	1.340	0	83.1	40	100			
1,4-Dichlorobenzene	1.24	0.133	1.340	0	92.5	35	105			
1-Chloronaphthalene	1.29	0.133	1.340	0	96.0	40	125			N
1-Methylnaphthalene	1.20	0.133	1.340	0	89.6	45	105			N
1-Naphthylamine	0.747	0.133	1.340	0	55.7	40	125			
2,4,5-Trichlorophenol	1.37	0.133	1.340	0	102	50	110			
2,4,6-Trichlorophenol	1.37	0.133	1.340	0	102	45	110			
2,4-Dichlorophenol	1.23	0.133	1.340	0	91.5	45	110			
2,4-Dimethylphenol	1.20	0.133	1.340	0	89.6	30	105			
2,4-Dinitrophenol	1.43	0.660	1.340	0	107	15	130			
2,4-Dinitrotoluene	1.29	0.133	1.340	0	96.5	50	115			
2,6-Dichlorophenol	1.23	0.133	1.340	0	91.5	35	125			
2,6-Dinitrotoluene	1.31	0.133	1.340	0	97.5	50	110			
2-Chloronaphthalene	1.31	0.133	1.340	0	98.0	45	105			
2-Chlorophenol	0.953	0.133	1.340	0	71.1	45	105			
2-Methylnaphthalene	1.20	0.133	1.340	0	89.6	45	105			
2-Methylphenol	0.893	0.133	1.340	0	66.7	40	105			
2-Naphthylamine	0.887	0.133	1.340	0	66.2	40	125			
2-Nitroaniline	1.39	0.133	1.340	0	103	45	120			
2-Nitrophenol	1.29	0.133	1.340	0	96.5	40	110			
2-Picoline	0.733	0.133	1.340	0	54.7	40	125			
3,3′-Dichlorobenzidine	0.993	0.133	1.340	0	74.1	25	128			
3-Methylcholanthrene	1.42	0.133	1.340	0	106	40	125			
3-Nitroaniline	1.35	0.133	1.340	0	100	25	110			
4,6-Dinitro-2-methylphenol	1.36	0.330	1.340	0	101	30	135			
4-Aminobiphenyl	0.747	0.133	1.340	0	55.7	40	125			
4-Bromophenyl phenyl ether	1.34	0.133	1.340	0	100	45	115			
4-Chloro-3-methylphenol	1.21	0.133	1.340	0	90.5	45	115			
4-Chloroaniline	0.887	0.330	1.340	0	66.2	25	125			
4-Chlorophenyl phenyl ether	1.31	0.133	1.340	0	98.0	45	110			
4-Methylphenol	0.880	0.133	1.340	0	65.7	40	105			
4-Nitroaniline	1.15	0.133	1.340	0	85.6	35	115			
4-Nitrophenol	1.37	0.660	1.340	0	102	15	140			
7,12-Dimethylbenz(a)anthracene	1.36	0.133	1.340	0	101	40	125			
Acenaphthene	1.31	0.133	1.340	0	98.0	45	110			
Acenaphthylene	1.33	0.133	1.340	0	99.5	45	105			
Acetophenone	0.913	0.133	1.340	0	68.2	40	125			
Aniline	0.540	0.133	1.340	0	40.3	40	125			
Anthracene	1.33	0.133	1.340	0	99.5	55	105			
Benzidine	0.493	0.660	1.340	0	36.8	20	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Benzo[a]anthracene	1.33	0.133	1.340	0	99.5	50	110	
Benzo[a]pyrene	1.38	0.133	1.340	0	103	50	110	
Benzo[b]fluoranthene	1.37	0.133	1.340	0	102	45	115	
Benzo[g,h,i]perylene	1.46	0.133	1.340	0	109	40	125	
Benzo[k]fluoranthene	1.45	0.133	1.340	0	108	45	125	
Benzoic acid	1.53	0.660	1.340	0	114	25	125	
Benzyl alcohol	0.853	0.330	1.340	0	63.7	20	125	
Biphenyl	1.31	0.133	1.340	0	97.5	60	140	
Bis(2-chloroethoxy)methane	1.25	0.133	1.340	0	93.0	45	110	
Bis(2-chloroethyl)ether	0.940	0.133	1.340	0	70.1	40	105	
Bis(2-chloroisopropyl)ether	0.880	0.133	1.340	0	65.7	20	115	
Bis(2-ethylhexyl)phthalate	1.43	0.133	1.340	0	106	45	125	
Butyl benzyl phthalate	1.40	0.330	1.340	0	104	50	125	
Carbazole	1.37	0.133	1.340	0	102	45	115	
Chrysene	1.34	0.133	1.340	0	100	55	110	
Di-n-butyl phthalate	1.41	0.330	1.340	0	105	55	110	
Di-n-octyl phthalate	1.37	0.330	1.340	0	102	40	130	
Dibenz(a,j)acridine	1.43	0.133	1.340	0	106	40	125	N
Dibenz[a,h]anthracene	1.47	0.133	1.340	0	109	40	125	
Dibenzofuran	1.29	0.133	1.340	0	96.0	50	105	
Diethyl phthalate	1.31	0.330	1.340	0	98.0	50	115	
Dimethyl phthalate	1.29	0.330	1.340	0	96.0	50	110	
Dimethylphenethylamine	0.320	0.133	1.340	0	23.9	40	125	S
Diphenylamine	1.33	0.133	1.340	0	99.5	40	125	
Ethyl methanesulfonate	0.967	0.133	1.340	0	72.1	40	125	
Fluoranthene	1.37	0.133	1.340	0	102	55	115	
Fluorene	1.32	0.133	1.340	0	98.5	50	110	
Hexachlorobenzene	1.35	0.133	1.340	0	101	45	120	
Hexachlorobutadiene	1.25	0.133	1.340	0	93.5	40	115	
Hexachlorocyclopentadiene	1.22	0.330	1.340	0	91.0	34	125	
Hexachloroethane	1.03	0.133	1.340	0	76.6	35	110	
Indeno[1,2,3-cd]pyrene	1.46	0.133	1.340	0	109	40	120	
Isophorone	1.18	0.133	1.340	0	88.1	45	110	
Methyl methanesulfonate	0.967	0.133	1.340	0	72.1	40	125	
N-Nitrosodi-n-propylamine	0.927	0.133	1.340	0	69.2	40	115	
N-Nitrosodimethylamine	0.813	0.133	1.340	0	60.7	20	115	
N-Nitrosodiphenylamine	1.33	0.133	1.340	0	99.5	50	115	
N-Nitrosopiperidine	1.22	0.133	1.340	0	91.0	40	125	
Naphthalene	1.26	0.133	1.340	0	94.0	40	105	
Nitrobenzene	1.29	0.133	1.340	0	96.0	40	115	
p-Dimethylaminoazobenzene	1.34	0.133	1.340	0	100	40	125	
Pentachlorobenzene	2.66	0.133	2.640	0	101	35	125	
Pentachloronitrobenzene	1.31	0.133	1.340	0	98.0	40	125	
Pentachlorophenol	1.39	0.133	1.340	0	104	25	120	
Phenacetin	1.47	0.133	1.340	0	109	40	125	
Phenanthrene	1.32	0.133	1.340	0	98.5	50	110	
Phenol	0.887	0.133	1.340	0	66.2	40	100	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Pronamide	1.24	0.133	1.340	0	92.5	40	125
Pyrene	1.35	0.133	1.340	0	100	45	125
Pyridine	0.627	0.660	1.340	0	46.8	20	125
Surr: 2,4,6-Tribromophenol	2.47		2.680		92.0	45	138
Surr: 2-Fluorobiphenyl	2.29		2.680		85.6	37	125
Surr: 2-Fluorophenol	1.62		2.680		60.4	60	135
Surr: 4-Terphenyl-d14	2.44		2.680		91.0	60	129
Surr: Nitrobenzene-d5	2.23		2.680		83.3	45	125
Surr: Phenol-d6	1.52		2.680		56.7	40	125

Sample ID:	1001149-46C-MS	**Batch ID:**	39319	**TestNo:**	SW8270C	**Units:**	mg/Kg-dry
SampType:	MS	**Run ID:**	GCMS4_100202A	**Analysis Date:**	02/03/10 01:17 AM	**Prep Date:**	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	2.51	0.141	2.808	0	89.4	35	125			
1,2,4-Trichlorobenzene	1.30	0.141	1.425	0	91.5	45	110			
1,2-Dichlorobenzene	1.06	0.141	1.425	0	74.6	45	100			
1,2-Diphenylhydrazine	1.38	0.141	1.425	0	97.0	38	125			
1,3-Dichlorobenzene	1.13	0.141	1.425	0	79.6	40	100			
1,4-Dichlorobenzene	1.24	0.141	1.425	0	87.1	35	105			
1-Chloronaphthalene	1.36	0.141	1.425	0	95.5	40	125			N
1-Methylnaphthalene	1.27	0.141	1.425	0	89.1	45	105			N
1-Naphthylamine	1.05	0.141	1.425	0	73.6	40	125			
2,4,5-Trichlorophenol	1.49	0.141	1.425	0	104	50	110			
2,4,6-Trichlorophenol	1.48	0.141	1.425	0	104	45	110			
2,4-Dichlorophenol	1.38	0.141	1.425	0	97.0	45	110			
2,4-Dimethylphenol	1.35	0.141	1.425	0	94.5	30	105			
2,4-Dinitrophenol	0.248	0.702	1.425	0	17.4	15	130			
2,4-Dinitrotoluene	1.34	0.141	1.425	0	94.0	50	115			
2,6-Dichlorophenol	1.37	0.141	1.425	0	96.0	35	125			
2,6-Dinitrotoluene	1.40	0.141	1.425	0	98.0	50	110			
2-Chloronaphthalene	1.39	0.141	1.425	0	97.5	45	105			
2-Chlorophenol	0.986	0.141	1.425	0	69.2	45	105			
2-Methylnaphthalene	1.31	0.141	1.425	0	92.0	45	105			
2-Methylphenol	0.971	0.141	1.425	0	68.2	40	105			
2-Naphthylamine	0.355	0.141	1.425	0	24.9	40	125			S
2-Nitroaniline	1.48	0.141	1.425	0	104	45	120			
2-Nitrophenol	1.23	0.141	1.425	0	86.1	40	110			
2-Picoline	0.298	0.141	1.425	0	20.9	40	125			S
3,3'-Dichlorobenzidine	1.18	0.141	1.425	0	83.1	25	128			
3-Methylcholanthrene	1.43	0.141	1.425	0	100	40	125			
3-Nitroaniline	1.43	0.141	1.425	0	100	25	110			
4,6-Dinitro-2-methylphenol	0.581	0.351	1.425	0	40.8	30	135			
4-Aminobiphenyl	0.879	0.141	1.425	0	61.7	40	125			
4-Bromophenyl phenyl ether	1.44	0.141	1.425	0	101	45	115			
4-Chloro-3-methylphenol	1.38	0.141	1.425	0	97.0	45	115			
4-Chloroaniline	1.13	0.351	1.425	0	79.6	25	125			
4-Chlorophenyl phenyl ether	1.44	0.141	1.425	0	101	45	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

4-Methylphenol	0.964	0.141	1.425	0	67.7	40	105	
4-Nitroaniline	1.35	0.141	1.425	0	95.0	35	115	
4-Nitrophenol	1.41	0.702	1.425	0	99.0	15	140	
7,12-Dimethylbenz(a)anthracene	1.56	0.141	1.425	0	109	40	125	
Acenaphthene	1.40	0.141	1.425	0	98.5	45	110	
Acenaphthylene	1.45	0.141	1.425	0	101	45	105	
Acetophenone	0.957	0.141	1.425	0	67.2	40	125	
Aniline	0.652	0.141	1.425	0	45.8	40	125	
Anthracene	1.45	0.141	1.425	0	102	55	105	
Benzidine	0	0.702	1.425	0	0	20	125	S
Benzo[a]anthracene	1.43	0.141	1.425	0	100	50	110	
Benzo[a]pyrene	1.52	0.141	1.425	0	106	50	110	
Benzo[b]fluoranthene	1.61	0.141	1.425	0	113	45	115	
Benzo[g,h,i]perylene	1.58	0.141	1.425	0	111	40	125	
Benzo[k]fluoranthene	1.55	0.141	1.425	0	108	45	125	
Benzoic acid	0.603	0.702	1.425	0	42.3	25	125	
Benzyl alcohol	0.964	0.351	1.425	0	67.7	20	125	
Biphenyl	1.40	0.141	1.425	0	98.0	60	140	
Bis(2-chloroethoxy)methane	1.30	0.141	1.425	0	91.5	45	110	
Bis(2-chloroethyl)ether	0.957	0.141	1.425	0	67.2	40	105	
Bis(2-chloroisopropyl)ether	0.936	0.141	1.425	0	65.7	20	115	
Bis(2-ethylhexyl)phthalate	1.33	0.141	1.425	0	93.5	45	125	
Butyl benzyl phthalate	1.22	0.351	1.425	0	85.6	50	125	
Carbazole	1.48	0.141	1.425	0	104	45	115	
Chrysene	1.45	0.141	1.425	0	102	55	110	
Di-n-butyl phthalate	1.48	0.351	1.425	0	104	55	110	
Di-n-octyl phthalate	1.26	0.351	1.425	0	88.6	40	130	
Dibenz(a,j)acridine	0.319	0.141	1.425	0	22.4	40	125	SN
Dibenz[a,h]anthracene	1.54	0.141	1.425	0	108	40	125	
Dibenzofuran	1.42	0.141	1.425	0	99.5	50	105	
Diethyl phthalate	1.43	0.351	1.425	0	100	50	115	
Dimethyl phthalate	1.43	0.351	1.425	0	100	50	110	
Dimethylphenethylamine	0.0496	0.141	1.425	0	3.48	40	125	S
Diphenylamine	1.42	0.141	1.425	0	99.5	40	125	
Ethyl methanesulfonate	1.00	0.141	1.425	0	70.1	40	125	
Fluoranthene	1.47	0.141	1.425	0	103	55	115	
Fluorene	1.41	0.141	1.425	0	99.0	50	110	
Hexachlorobenzene	1.44	0.141	1.425	0	101	45	120	
Hexachlorobutadiene	1.27	0.141	1.425	0	89.1	40	115	
Hexachlorocyclopentadiene	1.28	0.351	1.425	0	90.0	34	125	
Hexachloroethane	1.06	0.141	1.425	0	74.6	35	110	
Indeno[1,2,3-cd]pyrene	1.59	0.141	1.425	0	111	40	120	
Isophorone	1.33	0.141	1.425	0	93.0	45	110	
Methyl methanesulfonate	0.993	0.141	1.425	0	69.7	40	125	
N-Nitrosodi-n-propylamine	0.971	0.141	1.425	0	68.2	40	115	
N-Nitrosodimethylamine	0.929	0.141	1.425	0	65.2	20	115	
N-Nitrosodiphenylamine	1.42	0.141	1.425	0	99.5	50	115	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

N-Nitrosopiperidine	1.35	0.141	1.425	0	94.5	40	125	
Naphthalene	1.32	0.141	1.425	0	92.5	40	105	
Nitrobenzene	1.35	0.141	1.425	0	95.0	40	115	
p-Dimethylaminoazobenzene	1.33	0.141	1.425	0	93.5	40	125	
Pentachlorobenzene	2.80	0.141	2.808	0	99.7	35	125	
Pentachloronitrobenzene	1.38	0.141	1.425	0	97.0	40	125	
Pentachlorophenol	1.40	0.141	1.425	0	98.5	25	120	
Phenacetin	1.46	0.141	1.425	0	102	40	125	
Phenanthrene	1.43	0.141	1.425	0	100	50	110	
Phenol	0.950	0.141	1.425	0	66.7	40	100	
Pronamide	1.44	0.141	1.425	0	101	40	125	
Pyrene	1.44	0.141	1.425	0	101	45	125	
Pyridine	0.461	0.702	1.425	0	32.3	20	125	
Surr: 2,4,6-Tribromophenol	2.59		2.850		90.8	45	138	
Surr: 2-Fluorobiphenyl	2.35		2.850		82.6	37	125	
Surr: 2-Fluorophenol	1.64		2.850		57.5	60	135	S
Surr: 4-Terphenyl-d14	2.50		2.850		87.6	60	129	
Surr: Nitrobenzene-d5	2.30		2.850		80.8	45	125	
Surr: Phenol-d6	1.57		2.850		55.2	40	125	

Sample ID:	1001149-46C-MSD	**Batch ID:**	39319	**TestNo:**	SW8270C		**Units:**	mg/Kg-dry	
SampType:	MSD	**Run ID:**	GCMS4_100202A	**Analysis Date:**	02/03/10 01:43 AM		**Prep Date:**	02/01/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
1,2,4,5-Tetrachlorobenzene		2.43	0.142	2.826	0	86.1	35	125	3.09	30	
1,2,4-Trichlorobenzene		1.25	0.142	1.434	0	87.1	45	110	4.36	30	
1,2-Dichlorobenzene		1.01	0.142	1.434	0	70.6	45	100	4.83	30	
1,2-Diphenylhydrazine		1.34	0.142	1.434	0	93.5	38	125	3.01	30	
1,3-Dichlorobenzene		1.09	0.142	1.434	0	76.1	40	100	3.82	30	
1,4-Dichlorobenzene		1.23	0.142	1.434	0	85.6	35	105	1.08	30	
1-Chloronaphthalene		1.31	0.142	1.434	0	91.0	40	125	4.15	30	N
1-Methylnaphthalene		1.22	0.142	1.434	0	85.1	45	105	3.92	30	N
1-Naphthylamine		0.992	0.142	1.434	0	69.2	40	125	5.62	30	
2,4,5-Trichlorophenol		1.41	0.142	1.434	0	98.5	50	110	5.23	30	
2,4,6-Trichlorophenol		1.41	0.142	1.434	0	98.0	45	110	5.26	30	
2,4-Dichlorophenol		1.28	0.142	1.434	0	89.6	45	110	7.35	30	
2,4-Dimethylphenol		1.23	0.142	1.434	0	86.1	30	105	8.72	30	
2,4-Dinitrophenol		0.321	0.707	1.434	0	22.4	15	130	25.6	30	
2,4-Dinitrotoluene		1.29	0.142	1.434	0	90.0	50	115	3.68	30	
2,6-Dichlorophenol		1.29	0.142	1.434	0	90.0	35	125	5.77	30	
2,6-Dinitrotoluene		1.32	0.142	1.434	0	92.0	50	110	5.63	30	
2-Chloronaphthalene		1.32	0.142	1.434	0	92.0	45	105	5.13	30	
2-Chlorophenol		0.978	0.142	1.434	0	68.2	45	105	0.800	30	
2-Methylnaphthalene		1.23	0.142	1.434	0	85.6	45	105	6.63	30	
2-Methylphenol		0.928	0.142	1.434	0	64.7	40	105	4.59	30	
2-Naphthylamine		0.328	0.142	1.434	0	22.9	40	125	7.69	30	S
2-Nitroaniline		1.41	0.142	1.434	0	98.0	45	120	5.26	30	
2-Nitrophenol		1.20	0.142	1.434	0	83.6	40	110	2.28	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

2-Picoline	0.335	0.142	1.434	0	23.4	40	125	11.9	30	S
3,3′-Dichlorobenzidine	1.17	0.142	1.434	0	81.6	25	128	1.16	30	
3-Methylcholanthrene	1.39	0.142	1.434	0	97.0	40	125	2.88	30	
3-Nitroaniline	1.36	0.142	1.434	0	95.0	25	110	4.95	30	
4,6-Dinitro-2-methylphenol	0.664	0.353	1.434	0	46.3	30	135	13.2	30	
4-Aminobiphenyl	0.849	0.142	1.434	0	59.2	40	125	3.47	30	
4-Bromophenyl phenyl ether	1.37	0.142	1.434	0	95.5	45	115	4.92	30	
4-Chloro-3-methylphenol	1.27	0.142	1.434	0	88.6	45	115	8.47	30	
4-Chloroaniline	1.07	0.353	1.434	0	74.6	25	125	5.80	30	
4-Chlorophenyl phenyl ether	1.35	0.142	1.434	0	94.0	45	110	6.49	30	
4-Methylphenol	0.928	0.142	1.434	0	64.7	40	105	3.86	30	
4-Nitroaniline	1.28	0.142	1.434	0	89.6	35	115	5.28	30	
4-Nitrophenol	1.36	0.707	1.434	0	95.0	15	140	3.45	30	
7,12-Dimethylbenz(a)anthracene	1.48	0.142	1.434	0	103	40	125	4.96	30	
Acenaphthene	1.33	0.142	1.434	0	92.5	45	110	5.60	30	
Acenaphthylene	1.36	0.142	1.434	0	94.5	45	105	6.46	30	
Acetophenone	0.928	0.142	1.434	0	64.7	40	125	3.12	30	
Aniline	0.621	0.142	1.434	0	43.3	40	125	4.94	30	
Anthracene	1.38	0.142	1.434	0	96.5	55	105	4.86	30	
Benzidine	0	0.707	1.434	0	0	20	125	0	30	S
Benzo[a]anthracene	1.37	0.142	1.434	0	95.5	50	110	3.93	30	
Benzo[a]pyrene	1.46	0.142	1.434	0	101	50	110	4.14	30	
Benzo[b]fluoranthene	1.46	0.142	1.434	0	102	45	115	9.54	30	
Benzo[g,h,i]perylene	1.49	0.142	1.434	0	104	40	125	5.83	30	
Benzo[k]fluoranthene	1.48	0.142	1.434	0	103	45	125	4.05	30	
Benzoic acid	0.635	0.707	1.434	0	44.3	25	125	5.25	30	
Benzyl alcohol	0.913	0.353	1.434	0	63.7	20	125	5.41	30	
Biphenyl	1.33	0.142	1.434	0	92.5	60	140	5.10	30	
Bis(2-chloroethoxy)methane	1.23	0.142	1.434	0	85.6	45	110	6.09	30	
Bis(2-chloroethyl)ether	0.899	0.142	1.434	0	62.7	40	105	6.25	30	
Bis(2-chloroisopropyl)ether	0.871	0.142	1.434	0	60.7	20	115	7.23	30	
Bis(2-ethylhexyl)phthalate	1.28	0.142	1.434	0	89.6	45	125	3.70	30	
Butyl benzyl phthalate	1.20	0.353	1.434	0	83.6	50	125	1.70	30	
Carbazole	1.42	0.142	1.434	0	99.0	45	115	4.25	30	
Chrysene	1.39	0.142	1.434	0	97.0	55	110	4.35	30	
Di-n-butyl phthalate	1.43	0.353	1.434	0	99.5	55	110	3.75	30	
Di-n-octyl phthalate	1.35	0.353	1.434	0	94.0	40	130	6.64	30	
Dibenz(a,j)acridine	0.393	0.142	1.434	0	27.4	40	125	20.6	30	SN
Dibenz[a,h]anthracene	1.50	0.142	1.434	0	104	40	125	2.63	30	
Dibenzofuran	1.33	0.142	1.434	0	92.5	50	105	6.61	30	
Diethyl phthalate	1.36	0.353	1.434	0	95.0	50	115	4.45	30	
Dimethyl phthalate	1.33	0.353	1.434	0	93.0	50	110	7.06	30	
Dimethylphenethylamine	0	0.142	1.434	0	0	40	125	0	30	S
Diphenylamine	1.36	0.142	1.434	0	95.0	40	125	3.95	30	
Ethyl methanesulfonate	0.942	0.142	1.434	0	65.7	40	125	5.94	30	
Fluoranthene	1.43	0.142	1.434	0	99.5	55	115	3.27	30	
Fluorene	1.36	0.142	1.434	0	94.5	50	110	3.98	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Hexachlorobenzene	1.39	0.142	1.434	0	97.0	45	120	3.37	30	
Hexachlorobutadiene	1.23	0.142	1.434	0	86.1	40	115	2.76	30	
Hexachlorocyclopentadiene	1.24	0.353	1.434	0	86.6	34	125	3.29	30	
Hexachloroethane	1.01	0.142	1.434	0	70.6	35	110	4.83	30	
Indeno[1,2,3-cd]pyrene	1.53	0.142	1.434	0	107	40	120	3.45	30	
Isophorone	1.19	0.142	1.434	0	83.1	45	110	10.7	30	
Methyl methanesulfonate	0.956	0.142	1.434	0	66.7	40	125	3.73	30	
N-Nitrosodi-n-propylamine	0.935	0.142	1.434	0	65.2	40	115	3.83	30	
N-Nitrosodimethylamine	0.899	0.142	1.434	0	62.7	20	115	3.24	30	
N-Nitrosodiphenylamine	1.36	0.142	1.434	0	95.0	50	115	3.95	30	
N-Nitrosopiperidine	1.23	0.142	1.434	0	86.1	40	125	8.72	30	
Naphthalene	1.26	0.142	1.434	0	87.6	40	105	4.88	30	
Nitrobenzene	1.27	0.142	1.434	0	88.6	40	115	6.40	30	
p-Dimethylaminoazobenzene	1.33	0.142	1.434	0	93.0	40	125	0.116	30	
Pentachlorobenzene	2.74	0.142	2.826	0	97.0	35	125	2.17	30	
Pentachloronitrobenzene	1.33	0.142	1.434	0	93.0	40	125	3.54	30	
Pentachlorophenol	1.35	0.142	1.434	0	94.0	25	120	4.00	30	
Phenacetin	1.47	0.142	1.434	0	102	40	125	0.649	30	
Phenanthrene	1.38	0.142	1.434	0	96.0	50	110	3.91	30	
Phenol	0.928	0.142	1.434	0	64.7	40	100	2.38	30	
Pronamide	1.43	0.142	1.434	0	99.5	40	125	0.840	30	
Pyrene	1.39	0.142	1.434	0	97.0	45	125	3.37	30	
Pyridine	0.464	0.707	1.434	0	32.3	20	125	0.649	30	
Surr: 2,4,6-Tribromophenol	2.53		2.869		88.3	45	138	0	0	
Surr: 2-Fluorobiphenyl	2.26		2.869		78.9	37	125	0	0	
Surr: 2-Fluorophenol	1.62		2.869		56.5	60	135	0	0	S
Surr: 4-Terphenyl-d14	2.43		2.869		84.6	60	129	0	0	
Surr: Nitrobenzene-d5	2.14		2.869		74.6	45	125	0	0	
Surr: Phenol-d6	1.54		2.869		53.7	40	125	0	0	

Sample ID:	MB-39319	**Batch ID:**	39319	**TestNo:**	SW8270C	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS4_100202A	**Analysis Date:**	02/03/10 03:01 AM	**Prep Date:**	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	0.133								
1,2,4-Trichlorobenzene	ND	0.133								
1,2-Dichlorobenzene	ND	0.133								
1,2-Diphenylhydrazine	ND	0.133								
1,3-Dichlorobenzene	ND	0.133								
1,4-Dichlorobenzene	ND	0.133								
1-Chloronaphthalene	ND	0.133								N
1-Methylnaphthalene	ND	0.133								N
1-Naphthylamine	ND	0.133								
2,4,5-Trichlorophenol	ND	0.133								
2,4,6-Trichlorophenol	ND	0.133								
2,4-Dichlorophenol	ND	0.133								
2,4-Dimethylphenol	ND	0.133								
2,4-Dinitrophenol	ND	0.660								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

2,4-Dinitrotoluene	ND	0.133
2,6-Dichlorophenol	ND	0.133
2,6-Dinitrotoluene	ND	0.133
2-Chloronaphthalene	ND	0.133
2-Chlorophenol	ND	0.133
2-Methylnaphthalene	ND	0.133
2-Methylphenol	ND	0.133
2-Naphthylamine	ND	0.133
2-Nitroaniline	ND	0.133
2-Nitrophenol	ND	0.133
2-Picoline	ND	0.133
3,3′-Dichlorobenzidine	ND	0.133
3-Methylcholanthrene	ND	0.133
3-Nitroaniline	ND	0.133
4,6-Dinitro-2-methylphenol	ND	0.330
4-Aminobiphenyl	ND	0.133
4-Bromophenyl phenyl ether	ND	0.133
4-Chloro-3-methylphenol	ND	0.133
4-Chloroaniline	ND	0.330
4-Chlorophenyl phenyl ether	ND	0.133
4-Methylphenol	ND	0.133
4-Nitroaniline	ND	0.133
4-Nitrophenol	ND	0.660
7,12-Dimethylbenz(a)anthracene	ND	0.133
Acenaphthene	ND	0.133
Acenaphthylene	ND	0.133
Acetophenone	ND	0.133
Aniline	ND	0.133
Anthracene	ND	0.133
Benzidine	ND	0.660
Benzo[a]anthracene	ND	0.133
Benzo[a]pyrene	ND	0.133
Benzo[b]fluoranthene	ND	0.133
Benzo[g,h,i]perylene	ND	0.133
Benzo[k]fluoranthene	ND	0.133
Benzoic acid	ND	0.660
Benzyl alcohol	ND	0.330
Biphenyl	ND	0.133
Bis(2-chloroethoxy)methane	ND	0.133
Bis(2-chloroethyl)ether	ND	0.133
Bis(2-chloroisopropyl)ether	ND	0.133
Bis(2-ethylhexyl)phthalate	ND	0.133
Butyl benzyl phthalate	ND	0.330
Carbazole	ND	0.133
Chrysene	ND	0.133
Di-n-butyl phthalate	ND	0.330
Di-n-octyl phthalate	ND	0.330

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Dibenz(a,j)acridine	ND	0.133					N
Dibenz[a,h]anthracene	ND	0.133					
Dibenzofuran	ND	0.133					
Diethyl phthalate	ND	0.330					
Dimethyl phthalate	ND	0.330					
Dimethylphenethylamine	ND	0.133					
Diphenylamine	ND	0.133					
Ethyl methanesulfonate	ND	0.133					
Fluoranthene	ND	0.133					
Fluorene	ND	0.133					
Hexachlorobenzene	ND	0.133					
Hexachlorobutadiene	ND	0.133					
Hexachlorocyclopentadiene	ND	0.330					
Hexachloroethane	ND	0.133					
Indeno[1,2,3-cd]pyrene	ND	0.133					
Isophorone	ND	0.133					
Methyl methanesulfonate	ND	0.133					
N-Nitrosodi-n-propylamine	ND	0.133					
N-Nitrosodimethylamine	ND	0.133					
N-Nitrosodiphenylamine	ND	0.133					
N-Nitrosopiperidine	ND	0.133					
Naphthalene	ND	0.133					
Nitrobenzene	ND	0.133					
p-Dimethylaminoazobenzene	ND	0.133					
Pentachlorobenzene	ND	0.133					
Pentachloronitrobenzene	ND	0.133					
Pentachlorophenol	ND	0.133					
Phenacetin	ND	0.133					
Phenanthrene	ND	0.133					
Phenol	ND	0.133					
Pronamide	ND	0.133					
Pyrene	ND	0.133					
Pyridine	ND	0.660					
Surr: 2,4,6-Tribromophenol	2.35		2.680	87.8	45	138	
Surr: 2-Fluorobiphenyl	2.20		2.680	82.1	37	125	
Surr: 2-Fluorophenol	1.53		2.680	57.2	60	135	S
Surr: 4-Terphenyl-d14	2.53		2.680	94.5	60	129	
Surr: Nitrobenzene-d5	2.13		2.680	79.4	45	125	
Surr: Phenol-d6	1.50		2.680	56.0	40	125	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Sample ID:	ICV-100202	**Batch ID:**	R47689	**TestNo:**	SW8270C	**Units:**	mg/Kg
SampType:	ICV	**Run ID:**	GCMS4_100202A	**Analysis Date:**	02/02/10 10:46 PM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	8.56	0.133	8.000	0	107	80	120			
1,2,4-Trichlorobenzene	4.14	0.133	4.000	0	104	80	120			
1,2-Dichlorobenzene	3.82	0.133	4.000	0	95.5	80	120			
1,2-Diphenylhydrazine	4.01	0.133	4.000	0	100	80	120			
1,3-Dichlorobenzene	4.06	0.133	4.000	0	102	80	120			
1,4-Dichlorobenzene	4.31	0.133	4.000	0	108	80	120			
1-Chloronaphthalene	4.07	0.133	4.000	0	102	80	120			N
1-Methylnaphthalene	4.17	0.133	4.000	0	104	80	120			N
1-Naphthylamine	4.28	0.133	4.000	0	107	80	120			
2,4,5-Trichlorophenol	4.31	0.133	4.000	0	108	80	120			
2,4,6-Trichlorophenol	4.34	0.133	4.000	0	108	80	120			
2,4-Dichlorophenol	4.37	0.133	4.000	0	109	80	120			
2,4-Dimethylphenol	4.20	0.133	4.000	0	105	80	120			
2,4-Dinitrophenol	4.19	0.660	4.000	0	105	80	120			
2,4-Dinitrotoluene	4.08	0.133	4.000	0	102	80	120			
2,6-Dichlorophenol	4.32	0.133	4.000	0	108	80	120			
2,6-Dinitrotoluene	4.10	0.133	4.000	0	103	80	120			
2-Chloronaphthalene	4.10	0.133	4.000	0	103	80	120			
2-Chlorophenol	3.54	0.133	4.000	0	88.5	80	120			
2-Methylnaphthalene	4.17	0.133	4.000	0	104	80	120			
2-Methylphenol	3.55	0.133	4.000	0	88.8	80	120			
2-Naphthylamine	4.20	0.133	4.000	0	105	80	120			
2-Nitroaniline	4.53	0.133	4.000	0	113	80	120			
2-Nitrophenol	4.52	0.133	4.000	0	113	80	120			
2-Picoline	3.55	0.133	4.000	0	88.8	80	120			
3,3'-Dichlorobenzidine	4.35	0.133	4.000	0	109	80	120			
3-Methylcholanthrene	4.06	0.133	4.000	0	102	80	120			
3-Nitroaniline	4.39	0.133	4.000	0	110	80	120			
4,6-Dinitro-2-methylphenol	4.11	0.330	4.000	0	103	80	120			
4-Aminobiphenyl	4.23	0.133	4.000	0	106	80	120			
4-Bromophenyl phenyl ether	4.25	0.133	4.000	0	106	80	120			
4-Chloro-3-methylphenol	4.30	0.133	4.000	0	108	80	120			
4-Chloroaniline	4.23	0.330	4.000	0	106	80	120			
4-Chlorophenyl phenyl ether	4.21	0.133	4.000	0	105	80	120			
4-Methylphenol	3.60	0.133	4.000	0	90.0	80	120			
4-Nitroaniline	4.36	0.133	4.000	0	109	80	120			
4-Nitrophenol	4.05	0.660	4.000	0	101	80	120			
7,12-Dimethylbenz(a)anthracene	4.31	0.133	4.000	0	108	80	120			
Acenaphthene	4.13	0.133	4.000	0	103	80	120			
Acenaphthylene	4.22	0.133	4.000	0	106	80	120			
Acetophenone	3.46	0.133	4.000	0	86.5	80	120			
Aniline	3.49	0.133	4.000	0	87.2	80	120			
Anthracene	4.16	0.133	4.000	0	104	80	120			
Benzidine	3.66	0.660	4.000	0	91.5	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Benzo[a]anthracene	3.99	0.133	4.000	0	99.8	80	120	
Benzo[a]pyrene	3.98	0.133	4.000	0	99.5	80	120	
Benzo[b]fluoranthene	4.02	0.133	4.000	0	101	80	120	
Benzo[g,h,i]perylene	4.07	0.133	4.000	0	102	80	120	
Benzo[k]fluoranthene	3.91	0.133	4.000	0	97.8	80	120	
Benzoic acid	4.35	0.660	4.000	0	109	80	120	
Benzyl alcohol	3.60	0.330	4.000	0	90.0	80	120	
Biphenyl	4.12	0.133	4.000	0	103	80	120	
Bis(2-chloroethoxy)methane	4.10	0.133	4.000	0	103	80	120	
Bis(2-chloroethyl)ether	3.35	0.133	4.000	0	83.8	80	120	
Bis(2-chloroisopropyl)ether	3.24	0.133	4.000	0	81.0	80	120	
Bis(2-ethylhexyl)phthalate	4.21	0.133	4.000	0	105	80	120	
Butyl benzyl phthalate	4.22	0.330	4.000	0	106	80	120	
Carbazole	4.12	0.133	4.000	0	103	80	120	
Chrysene	3.97	0.133	4.000	0	99.2	80	120	
Di-n-butyl phthalate	4.11	0.330	4.000	0	103	80	120	
Di-n-octyl phthalate	4.08	0.330	4.000	0	102	80	120	
Dibenz(a,j)acridine	4.12	0.133	4.000	0	103	80	120	N
Dibenz[a,h]anthracene	4.10	0.133	4.000	0	103	80	120	
Dibenzofuran	4.14	0.133	4.000	0	104	80	120	
Diethyl phthalate	4.00	0.330	4.000	0	100	80	120	
Dimethyl phthalate	4.05	0.330	4.000	0	101	80	120	
Dimethylphenethylamine	4.32	0.133	4.000	0	108	80	120	
Diphenylamine	4.15	0.133	4.000	0	104	80	120	
Ethyl methanesulfonate	3.67	0.133	4.000	0	91.8	80	120	
Fluoranthene	4.13	0.133	4.000	0	103	80	120	
Fluorene	4.18	0.133	4.000	0	104	80	120	
Hexachlorobenzene	4.28	0.133	4.000	0	107	80	120	
Hexachlorobutadiene	4.19	0.133	4.000	0	105	80	120	
Hexachlorocyclopentadiene	3.98	0.330	4.000	0	99.5	80	120	
Hexachloroethane	3.87	0.133	4.000	0	96.8	80	120	
Indeno[1,2,3-cd]pyrene	4.08	0.133	4.000	0	102	80	120	
Isophorone	4.13	0.133	4.000	0	103	80	120	
Methyl methanesulfonate	3.67	0.133	4.000	0	91.8	80	120	
N-Nitrosodi-n-propylamine	3.47	0.133	4.000	0	86.8	80	120	
N-Nitrosodimethylamine	3.99	0.133	4.000	0	99.8	80	120	
N-Nitrosodiphenylamine	4.15	0.133	4.000	0	104	80	120	
N-Nitrosopiperidine	4.27	0.133	4.000	0	107	80	120	
Naphthalene	4.09	0.133	4.000	0	102	80	120	
Nitrobenzene	4.07	0.133	4.000	0	102	80	120	
p-Dimethylaminoazobenzene	4.01	0.133	4.000	0	100	80	120	
Pentachlorobenzene	8.64	0.133	8.000	0	108	80	120	
Pentachloronitrobenzene	3.99	0.133	4.000	0	99.8	80	120	
Pentachlorophenol	4.14	0.133	4.000	0	104	80	120	
Phenacetin	4.38	0.133	4.000	0	110	80	120	
Phenanthrene	4.01	0.133	4.000	0	100	80	120	
Phenol	3.50	0.133	4.000	0	87.5	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Pronamide	4.06	0.133	4.000	0	102	80	120
Pyrene	4.00	0.133	4.000	0	100	80	120
Pyridine	3.46	0.660	4.000	0	86.5	80	120
Surr: 2,4,6-Tribromophenol	4.53		4.000		113	80	120
Surr: 2-Fluorobiphenyl	4.12		4.000		103	80	120
Surr: 2-Fluorophenol	3.61		4.000		90.2	80	120
Surr: 4-Terphenyl-d14	4.07		4.000		102	80	120
Surr: Nitrobenzene-d5	4.11		4.000		103	80	120
Surr: Phenol-d6	3.54		4.000		88.5	80	120

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

Sample ID:	LCS-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L
SampType:	LCS	Run ID:	GCMS8_100126A	Analysis Date:	01/26/10 04:25 PM	Prep Date:	01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00340	0.000200	0.00400	0	85.0	45	105			
Acenaphthene	0.00311	0.000200	0.00400	0	77.7	45	110			
Acenaphthylene	0.00348	0.000200	0.00400	0	87.1	50	105			
Anthracene	0.00319	0.000200	0.00400	0	79.8	55	110			
Benzo[a]anthracene	0.00334	0.000200	0.00400	0	83.4	55	110			
Benzo[a]pyrene	0.00338	0.000200	0.00400	0	84.5	55	110			
Benzo[b]fluoranthene	0.00314	0.000200	0.00400	0	78.5	45	120			
Benzo[g,h,i]perylene	0.00335	0.000200	0.00400	0	83.8	40	125			
Benzo[k]fluoranthene	0.00328	0.000200	0.00400	0	82.1	45	125			
Chrysene	0.00310	0.000200	0.00400	0	77.6	55	110			
Dibenz[a,h]anthracene	0.00328	0.000200	0.00400	0	81.9	40	125			
Fluoranthene	0.00330	0.000200	0.00400	0	82.5	55	115			
Fluorene	0.00333	0.000200	0.00400	0	83.3	50	110			
Indeno[1,2,3-cd]pyrene	0.00322	0.000200	0.00400	0	80.4	45	125			
Naphthalene	0.00319	0.000200	0.00400	0	79.6	40	100			
Phenanthrene	0.00310	0.000200	0.00400	0	77.6	50	115			
Pyrene	0.00321	0.000200	0.00400	0	80.2	50	130			
Surr: 2-Fluorobiphenyl	6.15		8.000		76.8	40	140			
Surr: 4-Terphenyl-d14	6.65		8.000		83.1	40	140			

Sample ID:	LCSD-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L
SampType:	LCSD	Run ID:	GCMS8_100126A	Analysis Date:	01/26/10 04:57 PM	Prep Date:	01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00335	0.000200	0.00400	0	83.8	45	105	1.40	30	
Acenaphthene	0.00300	0.000200	0.00400	0	74.9	45	110	3.65	30	
Acenaphthylene	0.00336	0.000200	0.00400	0	84.0	50	105	3.62	30	
Anthracene	0.00303	0.000200	0.00400	0	75.9	55	110	5.12	30	
Benzo[a]anthracene	0.00314	0.000200	0.00400	0	78.5	55	110	6.06	30	
Benzo[a]pyrene	0.00312	0.000200	0.00400	0	78.1	55	110	7.87	30	
Benzo[b]fluoranthene	0.00291	0.000200	0.00400	0	72.7	45	120	7.64	30	
Benzo[g,h,i]perylene	0.00318	0.000200	0.00400	0	79.4	40	125	5.43	30	
Benzo[k]fluoranthene	0.00308	0.000200	0.00400	0	77.1	45	125	6.27	30	
Chrysene	0.00288	0.000200	0.00400	0	72.0	55	110	7.42	30	
Dibenz[a,h]anthracene	0.00306	0.000200	0.00400	0	76.4	40	125	6.95	30	
Fluoranthene	0.00320	0.000200	0.00400	0	80.0	55	115	3.07	30	
Fluorene	0.00309	0.000200	0.00400	0	77.3	50	110	7.52	30	
Indeno[1,2,3-cd]pyrene	0.00299	0.000200	0.00400	0	74.6	45	125	7.46	30	
Naphthalene	0.00305	0.000200	0.00400	0	76.1	40	100	4.48	30	
Phenanthrene	0.00299	0.000200	0.00400	0	74.9	50	115	3.58	30	
Pyrene	0.00310	0.000200	0.00400	0	77.5	50	130	3.38	30	
Surr: 2-Fluorobiphenyl	6.05		8.000		75.6	40	140	0	0	
Surr: 4-Terphenyl-d14	6.00		8.000		75.0	40	140	0	0	

Sample ID:	MB-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

SampType: MBLK **Run ID:** GCMS8_100126A **Analysis Date:** 01/26/10 08:08 PM **Prep Date:** 01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.000200								
Acenaphthene	ND	0.000200								
Acenaphthylene	ND	0.000200								
Anthracene	ND	0.000200								
Benzo[a]anthracene	ND	0.000200								
Benzo[a]pyrene	ND	0.000200								
Benzo[b]fluoranthene	ND	0.000200								
Benzo[g,h,i]perylene	ND	0.000200								
Benzo[k]fluoranthene	ND	0.000200								
Chrysene	ND	0.000200								
Dibenz[a,h]anthracene	ND	0.000200								
Fluoranthene	ND	0.000200								
Fluorene	ND	0.000200								
Indeno[1,2,3-cd]pyrene	ND	0.000200								
Naphthalene	0.000162	0.000200								
Phenanthrene	ND	0.000200								
Pyrene	ND	0.000200								
Surr: 2-Fluorobiphenyl	5.21		8.000		65.1	40	140			
Surr: 4-Terphenyl-d14	5.65		8.000		70.6	40	140			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

Sample ID:	ICV-100126	**Batch ID:**	R47561	TestNo:		SW8270C		Units:	mg/L
SampType:	ICV	**Run ID:**	GCMS8_100126A	Analysis Date:		01/26/10 03:53 PM		Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.34	0.000200	2.00	0	117	80	120			
Acenaphthene	2.00	0.000200	2.00	0	100	80	120			
Acenaphthylene	2.20	0.000200	2.00	0	110	80	120			
Anthracene	1.67	0.000200	2.00	0	83.3	80	120			
Benzo[a]anthracene	1.93	0.000200	2.00	0	96.4	80	120			
Benzo[a]pyrene	1.95	0.000200	2.00	0	97.7	80	120			
Benzo[b]fluoranthene	1.78	0.000200	2.00	0	88.9	80	120			
Benzo[g,h,i]perylene	1.89	0.000200	2.00	0	94.7	80	120			
Benzo[k]fluoranthene	1.85	0.000200	2.00	0	92.7	80	120			
Chrysene	1.83	0.000200	2.00	0	91.6	80	120			
Dibenz[a,h]anthracene	1.88	0.000200	2.00	0	93.8	80	120			
Fluoranthene	1.90	0.000200	2.00	0	94.9	80	120			
Fluorene	2.04	0.000200	2.00	0	102	80	120			
Indeno[1,2,3-cd]pyrene	1.82	0.000200	2.00	0	91.2	80	120			
Naphthalene	2.00	0.000200	2.00	0	100	80	120			
Phenanthrene	1.92	0.000200	2.00	0	96.0	80	120			
Pyrene	1.83	0.000200	2.00	0	91.5	80	120			
Surr: 2-Fluorobiphenyl	2180		2000		109	40	140			
Surr: 4-Terphenyl-d14	1760		2000		87.8	40	140			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

Sample ID:	LCS-39244	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS8_100128A	Analysis Date:	01/28/10 05:13 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.807	0.0100	1.000	0	80.7	45	105			
Acenaphthene	0.738	0.0100	1.000	0	73.8	45	110			
Acenaphthylene	0.843	0.0100	1.000	0	84.3	45	105			
Anthracene	0.747	0.0100	1.000	0	74.7	55	105			
Benzo[a]anthracene	0.799	0.0100	1.000	0	79.9	50	110			
Benzo[a]pyrene	0.794	0.0100	1.000	0	79.4	50	110			
Benzo[b]fluoranthene	0.701	0.0100	1.000	0	70.1	45	115			
Benzo[g,h,i]perylene	0.835	0.0100	1.000	0	83.5	40	125			
Benzo[k]fluoranthene	0.704	0.0100	1.000	0	70.4	45	125			
Chrysene	0.728	0.0100	1.000	0	72.8	55	110			
Dibenz[a,h]anthracene	0.788	0.0100	1.000	0	78.8	40	125			
Fluoranthene	0.813	0.0100	1.000	0	81.3	55	115			
Fluorene	0.782	0.0100	1.000	0	78.2	50	110			
Indeno[1,2,3-cd]pyrene	0.775	0.0100	1.000	0	77.5	40	120			
Naphthalene	0.726	0.0100	1.000	0	72.6	40	105			
Phenanthrene	0.745	0.0100	1.000	0	74.5	50	110			
Pyrene	0.791	0.0100	1.000	0	79.1	45	125			
Surr: 2-Fluorobiphenyl	3.50		4.000		87.4	40	140			
Surr: 4-Terphenyl-d14	3.30		4.000		82.4	40	140			

Sample ID:	1001149-15C-MS	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS8_100128A	Analysis Date:	01/28/10 05:45 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.898	0.0100	1.001	0	89.7	45	105			
Acenaphthene	0.817	0.0100	1.001	0	81.6	45	110			
Acenaphthylene	0.938	0.0100	1.001	0	93.8	45	105			
Anthracene	0.828	0.0100	1.001	0	82.7	55	105			
Benzo[a]anthracene	0.863	0.0100	1.001	0	86.2	50	110			
Benzo[a]pyrene	0.849	0.0100	1.001	0	84.8	50	110			
Benzo[b]fluoranthene	0.753	0.0100	1.001	0	75.3	45	115			
Benzo[g,h,i]perylene	0.930	0.0100	1.001	0	92.9	40	125			
Benzo[k]fluoranthene	0.783	0.0100	1.001	0	78.2	45	125			
Chrysene	0.770	0.0100	1.001	0	77.0	55	110			
Dibenz[a,h]anthracene	0.871	0.0100	1.001	0	87.0	40	125			
Fluoranthene	0.880	0.0100	1.001	0	87.9	55	115			
Fluorene	0.871	0.0100	1.001	0	87.1	50	110			
Indeno[1,2,3-cd]pyrene	0.852	0.0100	1.001	0	85.2	40	120			
Naphthalene	0.797	0.0100	1.001	0	79.6	40	105			
Phenanthrene	0.822	0.0100	1.001	0	82.2	50	110			
Pyrene	0.865	0.0100	1.001	0	86.4	45	125			
Surr: 2-Fluorobiphenyl	3.81		4.003		95.1	40	140			
Surr: 4-Terphenyl-d14	3.42		4.003		85.5	40	140			

Sample ID:	1001149-15C-MSD	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg-dry

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

SampType: MSD	Run ID:	GCMS8_100128A		Analysis Date:		01/28/10 06:16 PM		Prep Date:		01/28/10
Analyte	**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
2-Methylnaphthalene	0.903	0.0100	0.9998	0	90.3	45	105	0.576	30	
Acenaphthene	0.819	0.0100	0.9998	0	81.9	45	110	0.246	30	
Acenaphthylene	0.934	0.0100	0.9998	0	93.5	45	105	0.435	30	
Anthracene	0.817	0.0100	0.9998	0	81.8	55	105	1.25	30	
Benzo[a]anthracene	0.823	0.0100	0.9998	0	82.3	50	110	4.75	30	
Benzo[a]pyrene	0.796	0.0100	0.9998	0	79.7	50	110	6.40	30	
Benzo[b]fluoranthene	0.718	0.0100	0.9998	0	71.8	45	115	4.78	30	
Benzo[g,h,i]perylene	0.862	0.0100	0.9998	0	86.3	40	125	7.54	30	
Benzo[k]fluoranthene	0.731	0.0100	0.9998	0	73.2	45	125	6.78	30	
Chrysene	0.733	0.0100	0.9998	0	73.3	55	110	5.02	30	
Dibenz[a,h]anthracene	0.812	0.0100	0.9998	0	81.2	40	125	6.98	30	
Fluoranthene	0.858	0.0100	0.9998	0	85.8	55	115	2.48	30	
Fluorene	0.843	0.0100	0.9998	0	84.4	50	110	3.25	30	
Indeno[1,2,3-cd]pyrene	0.800	0.0100	0.9998	0	80.0	40	120	6.37	30	
Naphthalene	0.783	0.0100	0.9998	0	78.4	40	105	1.69	30	
Phenanthrene	0.811	0.0100	0.9998	0	81.1	50	110	1.38	30	
Pyrene	0.844	0.0100	0.9998	0	84.4	45	125	2.43	30	
Surr: 2-Fluorobiphenyl	3.73		3.999		93.2	40	140	0	0	
Surr: 4-Terphenyl-d14	3.09		3.999		77.3	40	140	0	0	

Sample ID: MB-39244	Batch ID:	39244		TestNo:		SW8270C		Units:		mg/Kg
SampType: MBLK	Run ID:	GCMS8_100128A		Analysis Date:		01/28/10 07:20 PM		Prep Date:		01/28/10
Analyte	**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								
Surr: 2-Fluorobiphenyl	3.68		4.000		92.0	40	140			
Surr: 4-Terphenyl-d14	3.30		4.000		82.5	40	140			

Qualifiers:

B	Analyte detected in the assoeiated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

Sample ID:	ICV-100128	**Batch ID:**	R47672	**TestNo:**	SW8270C		**Units:**	mg/Kg	
SampType:	ICV	**Run ID:**	GCMS8_100128A	**Analysis Date:**	01/28/10 04:41 PM		**Prep Date:**		

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.10	0.0100	2.000	0	105	80	120			
Acenaphthene	1.96	0.0100	2.000	0	97.9	80	120			
Acenaphthylene	2.17	0.0100	2.000	0	109	80	120			
Anthracene	1.63	0.0100	2.000	0	81.7	80	120			
Benzo[a]anthracene	1.90	0.0100	2.000	0	94.9	80	120			
Benzo[a]pyrene	1.92	0.0100	2.000	0	95.8	80	120			
Benzo[b]fluoranthene	1.72	0.0100	2.000	0	86.0	80	120			
Benzo[g,h,i]perylene	2.06	0.0100	2.000	0	103	80	120			
Benzo[k]fluoranthene	1.73	0.0100	2.000	0	86.6	80	120			
Chrysene	1.78	0.0100	2.000	0	89.1	80	120			
Dibenz[a,h]anthracene	2.08	0.0100	2.000	0	104	80	120			
Fluoranthene	2.00	0.0100	2.000	0	100	80	120			
Fluorene	1.96	0.0100	2.000	0	97.8	80	120			
Indeno[1,2,3-cd]pyrene	2.00	0.0100	2.000	0	100	80	120			
Naphthalene	1.92	0.0100	2.000	0	95.9	80	120			
Phenanthrene	1.88	0.0100	2.000	0	94.0	80	120			
Pyrene	1.95	0.0100	2.000	0	97.6	80	120			
Surr: 2-Fluorobiphenyl	1.88		2.000		94.1	40	140			
Surr: 4-Terphenyl-d14	1.67		2.000		83.3	40	140			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	SYS BLANK-100129	**Batch ID:**	39244	**TestNo:**	SW8270C	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS8_100129A	**Analysis Date:**	01/29/10 01:25 PM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	LCS-39282	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 12:53 PM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.975	0.0100	1.000	0	97.5	45	105			
Acenaphthene	0.788	0.0100	1.000	0	78.8	45	110			
Acenaphthylene	0.896	0.0100	1.000	0	89.6	45	105			
Anthracene	0.775	0.0100	1.000	0	77.5	55	105			
Benzo[a]anthracene	0.836	0.0100	1.000	0	83.6	50	110			
Benzo[a]pyrene	0.822	0.0100	1.000	0	82.2	50	110			
Benzo[b]fluoranthene	0.764	0.0100	1.000	0	76.4	45	115			
Benzo[g,h,i]perylene	0.828	0.0100	1.000	0	82.8	40	125			
Benzo[k]fluoranthene	0.742	0.0100	1.000	0	74.2	45	125			
Chrysene	0.750	0.0100	1.000	0	75.0	55	110			
Dibenz[a,h]anthracene	0.772	0.0100	1.000	0	77.2	40	125			
Fluoranthene	0.817	0.0100	1.000	0	81.7	55	115			
Fluorene	0.844	0.0100	1.000	0	84.4	50	110			
Indeno[1,2,3-cd]pyrene	0.761	0.0100	1.000	0	76.1	40	120			
Naphthalene	0.799	0.0100	1.000	0	79.9	40	105			
Phenanthrene	0.777	0.0100	1.000	0	77.7	50	110			
Pyrene	0.788	0.0100	1.000	0	78.8	45	125			
Surr: 2-Fluorobiphenyl	4.36		4.000		109	40	140			
Surr: 4-Terphenyl-d14	3.46		4.000		86.4	40	140			

Sample ID:	MB-39282	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 01:57 PM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								
Surr: 2-Fluorobiphenyl	3.96		4.000		99.0	40	140			
Surr: 4-Terphenyl-d14	3.33		4.000		83.3	40	140			

Sample ID:	1001149-36C-MS	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg-dry

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

SampType: MS	Run ID:	GCMS8_100129A		Analysis Date:		01/29/10 06:21 PM		Prep Date:		01/29/10
Analyte	**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
2-Methylnaphthalene	0.878	0.00989	0.9886	0	88.8	45	105			
Acenaphthene	0.826	0.00989	0.9886	0	83.6	45	110			
Acenaphthylene	0.893	0.00989	0.9886	0	90.3	45	105			
Anthracene	0.818	0.00989	0.9886	0	82.7	55	105			
Benzo[a]anthracene	0.995	0.00989	0.9886	0.1839	82.1	50	110			
Benzo[a]pyrene	1.05	0.00989	0.9886	0.005534	105	50	110			
Benzo[b]fluoranthene	0.958	0.00989	0.9886	0.00705	96.2	45	115			
Benzo[g,h,i]perylene	0.735	0.00989	0.9886	0.02994	71.3	40	125			
Benzo[k]fluoranthene	1.07	0.00989	0.9886	0	108	45	125			
Chrysene	1.07	0.00989	0.9886	0.1872	89.6	55	110			
Dibenz[a,h]anthracene	0.615	0.00989	0.9886	0	62.2	40	125			
Fluoranthene	1.02	0.00989	0.9886	0	103	55	115			
Fluorene	0.974	0.00989	0.9886	0	98.5	50	110			
Indeno[1,2,3-cd]pyrene	0.729	0.00989	0.9886	0	73.8	40	120			
Naphthalene	0.797	0.00989	0.9886	0	80.7	40	105			
Phenanthrene	0.847	0.00989	0.9886	0	85.6	50	110			
Pyrene	1.13	0.00989	0.9886	0	114	45	125			
Surr: 2-Fluorobiphenyl	3.66		3.955		92.5	40	140			
Surr: 4-Terphenyl-d14	2.22		3.955		56.1	40	140			

Sample ID: 1001149-36C-MSD	Batch ID:	39282		TestNo:		SW8270C		Units:		mg/Kg-dry
SampType: MSD	Run ID:	GCMS8_100129A		Analysis Date:		01/29/10 06:53 PM		Prep Date:		01/29/10
Analyte	**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
2-Methylnaphthalene	0.985	0.00996	0.9962	0	98.9	45	105	11.5	30	
Acenaphthene	0.870	0.00996	0.9962	0	87.4	45	110	5.17	30	
Acenaphthylene	0.893	0.00996	0.9962	0	89.7	45	105	0.012	30	
Anthracene	0.832	0.00996	0.9962	0	83.5	55	105	1.71	30	
Benzo[a]anthracene	1.12	0.00996	0.9962	0.1839	94.4	50	110	12.2	30	
Benzo[a]pyrene	1.10	0.00996	0.9962	0.005534	110	50	110	5.46	30	
Benzo[b]fluoranthene	0.999	0.00996	0.9962	0.00705	99.6	45	115	4.17	30	
Benzo[g,h,i]perylene	0.875	0.00996	0.9962	0.02994	84.8	40	125	17.4	30	
Benzo[k]fluoranthene	1.14	0.00996	0.9962	0	114	45	125	6.34	30	
Chrysene	1.24	0.00996	0.9962	0.1872	106	55	110	14.6	30	
Dibenz[a,h]anthracene	0.630	0.00996	0.9962	0	63.2	40	125	2.37	30	
Fluoranthene	1.17	0.00996	0.9962	0	117	55	115	14.0	30	S
Fluorene	1.04	0.00996	0.9962	0	105	50	110	6.66	30	
Indeno[1,2,3-cd]pyrene	0.845	0.00996	0.9962	0	84.8	40	120	14.7	30	
Naphthalene	0.845	0.00996	0.9962	0	84.8	40	105	5.74	30	
Phenanthrene	0.907	0.00996	0.9962	0	91.0	50	110	6.85	30	
Pyrene	1.39	0.00996	0.9962	0	140	45	125	21.3	30	S
Surr: 2-Fluorobiphenyl	4.18		3.985		105	40	140	0	0	
Surr: 4-Terphenyl-d14	2.83		3.985		71.0	40	140	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	ICV-100129	Batch ID:	R47674	TestNo:	SW8270C	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 12:21 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.29	0.0100	2.000	0	115	80	120			
Acenaphthene	1.96	0.0100	2.000	0	98.1	80	120			
Acenaphthylene	2.18	0.0100	2.000	0	109	80	120			
Anthracene	1.65	0.0100	2.000	0	82.7	80	120			
Benzo[a]anthracene	1.93	0.0100	2.000	0	96.3	80	120			
Benzo[a]pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Benzo[b]fluoranthene	1.75	0.0100	2.000	0	87.5	80	120			
Benzo[g,h,i]perylene	1.96	0.0100	2.000	0	98.0	80	120			
Benzo[k]fluoranthene	1.84	0.0100	2.000	0	91.9	80	120			
Chrysene	1.80	0.0100	2.000	0	90.2	80	120			
Dibenz[a,h]anthracene	1.95	0.0100	2.000	0	97.4	80	120			
Fluoranthene	1.99	0.0100	2.000	0	99.7	80	120			
Fluorene	1.98	0.0100	2.000	0	98.9	80	120			
Indeno[1,2,3-cd]pyrene	1.88	0.0100	2.000	0	94.1	80	120			
Naphthalene	1.94	0.0100	2.000	0	96.8	80	120			
Phenanthrene	1.92	0.0100	2.000	0	95.8	80	120			
Pyrene	1.94	0.0100	2.000	0	96.8	80	120			
Surr: 2-Fluorobiphenyl	2.12		2.000		106	40	140			
Surr: 4-Terphenyl-d14	1.69		2.000		84.5	40	140			

Sample ID:	ICV2-100129	Batch ID:	R47674	TestNo:	SW8270C	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 05:49 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.03	0.0100	2.000	0	101	80	120			
Acenaphthene	1.93	0.0100	2.000	0	96.3	80	120			
Acenaphthylene	2.13	0.0100	2.000	0	106	80	120			
Anthracene	1.60	0.0100	2.000	0	79.8	80	120			
Benzo[a]anthracene	1.91	0.0100	2.000	0	95.4	80	120			
Benzo[a]pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Benzo[b]fluoranthene	1.78	0.0100	2.000	0	89.0	80	120			
Benzo[g,h,i]perylene	1.86	0.0100	2.000	0	93.0	80	120			
Benzo[k]fluoranthene	1.83	0.0100	2.000	0	91.6	80	120			
Chrysene	1.80	0.0100	2.000	0	90.1	80	120			
Dibenz[a,h]anthracene	1.87	0.0100	2.000	0	93.7	80	120			
Fluoranthene	2.00	0.0100	2.000	0	100	80	120			
Fluorene	2.01	0.0100	2.000	0	101	80	120			
Indeno[1,2,3-cd]pyrene	1.82	0.0100	2.000	0	90.9	80	120			
Naphthalene	1.89	0.0100	2.000	0	94.7	80	120			
Phenanthrene	1.87	0.0100	2.000	0	93.4	80	120			
Pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Surr: 2-Fluorobiphenyl	1.81		2.000		90.6	40	140			
Surr: 4-Terphenyl-d14	1.73		2.000		86.3	40	140			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100203A

Sample ID:	SYS BLANK-100203	**Batch ID:**	39244	**TestNo:**	SW8270C	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS8_100203A	**Analysis Date:**	02/03/10 05:11 PM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100203A

Sample ID:	ICV-100203	**Batch ID:**	R47700	**TestNo:**	SW8270C			**Units:**	mg/Kg
SampType:	ICV	**Run ID:**	GCMS8_100203A	**Analysis Date:**	02/03/10 03:59 PM			**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzo[a]anthracene	1.85	0.0100	2.000	0	92.6	80	120			
Benzo[a]pyrene	1.84	0.0100	2.000	0	92.2	80	120			
Benzo[b]fluoranthene	1.73	0.0100	2.000	0	86.5	80	120			
Benzo[g,h,i]perylene	1.98	0.0100	2.000	0	98.9	80	120			
Benzo[k]fluoranthene	1.71	0.0100	2.000	0	85.6	80	120			
Chrysene	1.70	0.0100	2.000	0	85.2	80	120			
Dibenz[a,h]anthracene	2.09	0.0100	2.000	0	104	80	120			
Indeno[1,2,3-cd]pyrene	2.00	0.0100	2.000	0	99.8	80	120			
Surr: 2-Fluorobiphenyl	2.39		2.000		120	40	140			
Surr: 4-Terphenyl-d14	1.94		2.000		97.2	40	140			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Sample ID:	LCS-39180	**Batch ID:**	39180	**TestNo:**		SW8260B		**Units:**	mg/Kg
SampType:	LCS	**Run ID:**	GCMS1_100125A	**Analysis Date:**		01/25/10 12:16 PM		**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0236	0.00500	0.0232	0	102	75	125			
1,1,1-Trichloroethane	0.0238	0.00500	0.0232	0	103	70	130			
1,1,2,2-Tetrachloroethane	0.0238	0.00500	0.0232	0	103	59	130			
1,1,2-Trichloroethane	0.0255	0.00500	0.0232	0	110	62	125			
1,1-Dichloroethane	0.0237	0.00500	0.0232	0	102	75	125			
1,1-Dichloroethene	0.0240	0.00500	0.0232	0	103	65	135			
1,1-Dichloropropene	0.0239	0.00500	0.0232	0	103	70	135			
1,2,3-Trichlorobenzene	0.0254	0.00500	0.0232	0	109	62	133			
1,2,3-Trichloropropane	0.0255	0.00500	0.0232	0	110	65	130			
1,2,4-Trichlorobenzene	0.0248	0.00500	0.0232	0	107	65	130			
1,2,4-Trimethylbenzene	0.0241	0.00500	0.0232	0	104	65	135			
1,2-Dibromo-3-chloropropane	0.0249	0.00500	0.0232	0	107	49	135			
1,2-Dibromoethane	0.0239	0.00500	0.0232	0	103	70	124			
1,2-Dichlorobenzene	0.0247	0.00500	0.0232	0	106	75	120			
1,2-Dichloroethane	0.0238	0.00500	0.0232	0	103	72	135			
1,2-Dichloropropane	0.0242	0.00500	0.0232	0	104	71	120			
1,3,5-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	65	133			
1,3-Dichlorobenzene	0.0243	0.00500	0.0232	0	105	72	124			
1,3-Dichloropropane	0.0241	0.00500	0.0232	0	104	76	123			
1,4-Dichloro-2-butene	0.0254	0.00500	0.0232	0	109	50	150			
1,4-Dichlorobenzene	0.0243	0.00500	0.0232	0	105	72	125			
2,2-Dichloropropane	0.0240	0.00500	0.0232	0	104	67	134			
2-Butanone	0.0267	0.0150	0.0232	0	115	60	135			
2-Chloroethylvinylether	0.0244	0.0150	0.0232	0	105	50	150			
2-Chlorotoluene	0.0244	0.00500	0.0232	0	105	70	128			
2-Hexanone	0.0252	0.0150	0.0232	0	108	50	145			
4-Chlorotoluene	0.0242	0.00500	0.0232	0	104	75	125			
4-Isopropyltoluene	0.0241	0.00500	0.0232	0	104	75	133			
4-Methyl-2-pentanone	0.0249	0.0150	0.0232	0	107	60	135			
Acetone	0.0313	0.0500	0.0232	0	135	40	141			
Acrylonitrile	0.0509	0.0100	0.0464	0	110	40	160			
Benzene	0.0237	0.00500	0.0232	0	102	75	125			
Bromobenzene	0.0246	0.00500	0.0232	0	106	66	120			
Bromochloromethane	0.0247	0.00500	0.0232	0	106	71	125			
Bromodichloromethane	0.0240	0.00500	0.0232	0	103	72	128			
Bromoform	0.0242	0.00500	0.0232	0	104	66	137			
Bromomethane	0.0244	0.00500	0.0232	0	105	45	141			
Carbon disulfide	0.0215	0.00500	0.0232	0	92.6	50	150			
Carbon tetrachloride	0.0236	0.00500	0.0232	0	102	67	133			
Chlorobenzene	0.0241	0.00500	0.0232	0	104	75	123			
Chloroethane	0.0251	0.00500	0.0232	0	108	41	141			
Chloroform	0.0239	0.00500	0.0232	0	103	72	124			
Chloromethane	0.0233	0.00500	0.0232	0	100	51	129			
cis-1,2-Dichloroethene	0.0236	0.00500	0.0232	0	102	67	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

cis-1,3-Dichloropropene	0.0242	0.00500	0.0232	0	104	72	125
Dibromochloromethane	0.0239	0.00500	0.0232	0	103	66	130
Dibromomethane	0.0248	0.00500	0.0232	0	107	75	128
Dichlorodifluoromethane	0.0228	0.00500	0.0232	0	98.4	80	121
Ethylbenzene	0.0238	0.00500	0.0232	0	102	75	125
Hexachlorobutadiene	0.0248	0.00500	0.0232	0	107	55	140
Iodomethane	0.0232	0.00500	0.0232	0	100	50	150
Isopropylbenzene	0.0235	0.00500	0.0232	0	101	77	129
m,p-Xylene	0.0484	0.00500	0.0464	0	104	80	125
Methyl tert-butyl ether	0.0278	0.00500	0.0232	0	120	68	130
Methylene chloride	0.0255	0.00500	0.0232	0	110	63	137
n-Butylbenzene	0.0241	0.00500	0.0232	0	104	65	138
n-Propylbenzene	0.0242	0.00500	0.0232	0	104	65	135
Naphthalene	0.0256	0.0150	0.0232	0	110	51	125
o-Xylene	0.0238	0.00500	0.0232	0	103	77	125
sec-Butylbenzene	0.0239	0.00500	0.0232	0	103	65	130
Styrene	0.0239	0.00500	0.0232	0	103	75	125
tert-Butylbenzene	0.0243	0.00500	0.0232	0	105	65	130
Tetrachloroethene	0.0241	0.00500	0.0232	0	104	67	139
Toluene	0.0243	0.00500	0.0232	0	105	75	125
trans-1,2-Dichloroethene	0.0237	0.00500	0.0232	0	102	66	134
trans-1,3-Dichloropropene	0.0244	0.00500	0.0232	0	105	65	125
Trichloroethene	0.0250	0.00500	0.0232	0	108	77	124
Trichlorofluoromethane	0.0236	0.0150	0.0232	0	102	49	139
Vinyl chloride	0.0242	0.00500	0.0232	0	104	60	125
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101	78	125
Surr: 4-Bromofluorobenzene	50.1		50.00		100	85	120
Surr: Dibromofluoromethane	50.4		50.00		101	84	116
Surr: Toluene-d8	49.2		50.00		98.3	85	115

Sample ID:	MB-39180	**Batch ID:**	39180	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS1_100125A	**Analysis Date:**	01/25/10 01:21 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,2-Dichloroethane	ND	0.00500
1,2-Dichloropropane	ND	0.00500
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00500
1,3-Dichloropropane	ND	0.00500
1,4-Dichloro-2-butene	ND	0.00500
1,4-Dichlorobenzene	ND	0.00500
2,2-Dichloropropane	ND	0.00500
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00500
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00500
4-Isopropyltoluene	ND	0.00500
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0500
Acrylonitrile	ND	0.0100
Benzene	ND	0.00500
Bromobenzene	ND	0.00500
Bromochloromethane	ND	0.00500
Bromodichloromethane	ND	0.00500
Bromoform	ND	0.00500
Bromomethane	ND	0.00500
Carbon disulfide	ND	0.00500
Carbon tetrachloride	ND	0.00500
Chlorobenzene	ND	0.00500
Chloroethane	ND	0.00500
Chloroform	ND	0.00500
Chloromethane	ND	0.00500
cis-1,2-Dichloroethene	ND	0.00500
cis-1,3-Dichloropropene	ND	0.00500
Dibromochloromethane	ND	0.00500
Dibromomethane	ND	0.00500
Dichlorodifluoromethane	ND	0.00500
Ethylbenzene	ND	0.00500
Hexachlorobutadiene	ND	0.00500
Iodomethane	ND	0.00500
Isopropylbenzene	ND	0.00500
m,p-Xylene	ND	0.00500
Methyl tert-butyl ether	ND	0.00500
Methylene chloride	ND	0.00500
n-Butylbenzene	ND	0.00500
n-Propylbenzene	ND	0.00500
Naphthalene	ND	0.0150
o-Xylene	ND	0.00500
sec-Butylbenzene	ND	0.00500
Styrene	ND	0.00500

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	47.7		50.00	95.5	78	125
Surr: 4-Bromofluorobenzene	49.1		50.00	98.1	85	120
Surr: Dibromofluoromethane	50.0		50.00	100	84	116
Surr: Toluene-d8	49.2		50.00	98.3	85	115

Sample ID:	**SYS BL-39180**	**Batch ID:**	**39180**	**TestNo:**	**SW8260B**	**Units:**	**mg/Kg**
SampType:	**MBLK**	**Run ID:**	**GCMS1_100125A**	**Analysis Date:**	**01/26/10 10:45 AM**	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								
1,2-Dichloroethane	ND	0.00500								
1,2-Dichloropropane	ND	0.00500								
1,3,5-Trimethylbenzene	ND	0.00500								
1,3-Dichlorobenzene	ND	0.00500								
1,3-Dichloropropane	ND	0.00500								
1,4-Dichloro-2-butene	ND	0.00500								
1,4-Dichlorobenzene	ND	0.00500								
2,2-Dichloropropane	ND	0.00500								
2-Butanone	ND	0.0150								
2-Chloroethylvinylether	ND	0.0150								
2-Chlorotoluene	ND	0.00500								
2-Hexanone	ND	0.0150								
4-Chlorotoluene	ND	0.00500								
4-Isopropyltoluene	ND	0.00500								
4-Methyl-2-pentanone	ND	0.0150								
Acetone	ND	0.0500								
Acrylonitrile	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Benzene	ND	0.00500				
Bromobenzene	ND	0.00500				
Bromochloromethane	ND	0.00500				
Bromodichloromethane	ND	0.00500				
Bromoform	ND	0.00500				
Bromomethane	ND	0.00500				
Carbon disulfide	ND	0.00500				
Carbon tetrachloride	ND	0.00500				
Chlorobenzene	ND	0.00500				
Chloroethane	ND	0.00500				
Chloroform	ND	0.00500				
Chloromethane	ND	0.00500				
cis-1,2-Dichloroethene	ND	0.00500				
cis-1,3-Dichloropropene	ND	0.00500				
Dibromochloromethane	ND	0.00500				
Dibromomethane	ND	0.00500				
Dichlorodifluoromethane	ND	0.00500				
Ethylbenzene	ND	0.00500				
Hexachlorobutadiene	ND	0.00500				
Iodomethane	ND	0.00500				
Isopropylbenzene	ND	0.00500				
m,p-Xylene	ND	0.00500				
Methyl tert-butyl ether	ND	0.00500				
Methylene chloride	ND	0.00500				
n-Butylbenzene	ND	0.00500				
n-Propylbenzene	ND	0.00500				
Naphthalene	ND	0.0150				
o-Xylene	ND	0.00500				
sec-Butylbenzene	ND	0.00500				
Styrene	ND	0.00500				
tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	50.3		50.00	101	78	125
Surr: 4-Bromofluorobenzene	50.3		50.00	101	85	120
Surr: Dibromofluoromethane	51.5		50.00	103	84	116
Surr: Toluene-d8	49.0		50.00	98.1	85	115

Sample ID:	1001149-51AMS	**Batch ID:**	39180	**TestNo:**	SW8260B	**Units:**	mg/Kg-dry
SampType:	MS	**Run ID:**	GCMS1_100125A	**Analysis Date:**	01/26/10 12:28 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0196	0.00464	0.0215	0	90.9	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,1,1-Trichloroethane	0.0209	0.00464	0.0215	0	97.2	70	130
1,1,2,2-Tetrachloroethane	0.0177	0.00464	0.0215	0	82.1	59	130
1,1,2-Trichloroethane	0.0195	0.00464	0.0215	0	90.5	62	125
1,1-Dichloroethane	0.0205	0.00464	0.0215	0	95.3	75	125
1,1-Dichloroethene	0.0211	0.00464	0.0215	0	97.8	65	135
1,1-Dichloropropene	0.0207	0.00464	0.0215	0	96.3	70	135
1,2,3-Trichlorobenzene	0.0175	0.00464	0.0215	0	81.2	62	133
1,2,3-Trichloropropane	0.0182	0.00464	0.0215	0	84.7	65	130
1,2,4-Trichlorobenzene	0.0183	0.00464	0.0215	0	84.9	65	130
1,2,4-Trimethylbenzene	0.0194	0.00464	0.0215	0	90.3	65	135
1,2-Dibromo-3-chloropropane	0.0169	0.00464	0.0215	0	78.7	49	135
1,2-Dibromoethane	0.0184	0.00464	0.0215	0	85.6	70	124
1,2-Dichlorobenzene	0.0192	0.00464	0.0215	0	89.4	75	120
1,2-Dichloroethane	0.0199	0.00464	0.0215	0	92.6	72	135
1,2-Dichloropropane	0.0205	0.00464	0.0215	0	95.3	71	120
1,3,5-Trimethylbenzene	0.0199	0.00464	0.0215	0	92.3	65	133
1,3-Dichlorobenzene	0.0195	0.00464	0.0215	0	90.6	72	124
1,3-Dichloropropane	0.0185	0.00464	0.0215	0	85.9	76	123
1,4-Dichloro-2-butene	0.0182	0.00464	0.0215	0	84.7	50	150
1,4-Dichlorobenzene	0.0194	0.00464	0.0215	0	90.0	72	125
2,2-Dichloropropane	0.0221	0.00464	0.0215	0	103	67	134
2-Butanone	0.0176	0.0139	0.0215	0	81.7	60	135
2-Chloroethylvinylether	0.0183	0.0139	0.0215	0	85.1	50	150
2-Chlorotoluene	0.0199	0.00464	0.0215	0	92.5	70	128
2-Hexanone	0.0158	0.0139	0.0215	0	73.5	50	145
4-Chlorotoluene	0.0199	0.00464	0.0215	0	92.3	75	125
4-Isopropyltoluene	0.0197	0.00464	0.0215	0	91.6	75	133
4-Methyl-2-pentanone	0.0164	0.0139	0.0215	0	76.0	60	135
Acetone	0.0213	0.0464	0.0215	0	99.0	40	141
Acrylonitrile	0.0395	0.00928	0.0430	0	91.7	40	160
Benzene	0.0204	0.00464	0.0215	0	94.9	75	125
Bromobenzene	0.0195	0.00464	0.0215	0	90.5	66	120
Bromochloromethane	0.0204	0.00464	0.0215	0	94.6	71	125
Bromodichloromethane	0.0204	0.00464	0.0215	0	94.8	72	128
Bromoform	0.0180	0.00464	0.0215	0	83.5	66	137
Bromomethane	0.0203	0.00464	0.0215	0	94.4	45	141
Carbon disulfide	0.0184	0.00464	0.0215	0	85.5	50	150
Carbon tetrachloride	0.0209	0.00464	0.0215	0	97.1	67	133
Chlorobenzene	0.0198	0.00464	0.0215	0	91.9	75	123
Chloroethane	0.0228	0.00464	0.0215	0	106	41	141
Chloroform	0.0208	0.00464	0.0215	0	96.7	72	124
Chloromethane	0.0210	0.00464	0.0215	0	97.5	51	129
cis-1,2-Dichloroethene	0.0205	0.00464	0.0215	0	95.1	67	125
cis-1,3-Dichloropropene	0.0202	0.00464	0.0215	0	93.9	72	125
Dibromochloromethane	0.0188	0.00464	0.0215	0	87.6	66	130
Dibromomethane	0.0196	0.00464	0.0215	0	91.1	75	128
Dichlorodifluoromethane	0.0206	0.00464	0.0215	0	95.6	80	121

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Ethylbenzene	0.0198	0.00464	0.0215	0	92.1	75	125
Hexachlorobutadiene	0.0186	0.00464	0.0215	0	86.6	55	140
Iodomethane	0.0202	0.00464	0.0215	0	93.7	50	150
Isopropylbenzene	0.0193	0.00464	0.0215	0	89.5	77	129
m,p-Xylene	0.0398	0.00464	0.0430	0	92.5	80	125
Methyl tert-butyl ether	0.0221	0.00464	0.0215	0	103	68	130
Methylene chloride	0.0216	0.00464	0.0215	0	100	63	137
n-Butylbenzene	0.0194	0.00464	0.0215	0	90.3	65	138
n-Propylbenzene	0.0201	0.00464	0.0215	0	93.4	65	135
Naphthalene	0.0166	0.0139	0.0215	0	77.2	51	125
o-Xylene	0.0195	0.00464	0.0215	0	90.4	77	125
sec-Butylbenzene	0.0198	0.00464	0.0215	0	91.9	65	130
Styrene	0.0189	0.00464	0.0215	0	87.6	75	125
tert-Butylbenzene	0.0197	0.00464	0.0215	0	91.8	65	130
Tetrachloroethene	0.0201	0.00464	0.0215	0	93.2	67	139
Toluene	0.0208	0.00464	0.0215	0	96.6	75	125
trans-1,2-Dichloroethene	0.0207	0.00464	0.0215	0	96.2	66	134
trans-1,3-Dichloropropene	0.0198	0.00464	0.0215	0	92.1	65	125
Trichloroethene	0.0211	0.00464	0.0215	0	97.9	77	124
Trichlorofluoromethane	0.0221	0.0139	0.0215	0	103	49	139
Vinyl chloride	0.0222	0.00464	0.0215	0	103	60	125
Surr: 1,2-Dichloroethane-d4	46.0		46.38		99.2	78	125
Surr: 4-Bromofluorobenzene	46.6		46.38		100	85	120
Surr: Dibromofluoromethane	45.7		46.38		98.5	84	116
Surr: Toluene-d8	45.8		46.38		98.7	85	115

Sample ID:	1001149-51AMSD	**Batch ID:**	39180		**TestNo:**		SW8260B		**Units:**		mg/Kg-dry
SampType:	MSD	**Run ID:**	GCMS1_100125A		**Analysis Date:**		01/26/10 01:00 PM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
1,1,1,2-Tetrachloroethane		0.0202	0.00470	0.0218	0	92.6	75	125	3.14	30	
1,1,1-Trichloroethane		0.0208	0.00470	0.0218	0	95.6	70	130	0.307	30	
1,1,2,2-Tetrachloroethane		0.0188	0.00470	0.0218	0	86.3	59	130	6.22	30	
1,1,2-Trichloroethane		0.0204	0.00470	0.0218	0	93.6	62	125	4.58	30	
1,1-Dichloroethane		0.0208	0.00470	0.0218	0	95.6	75	125	1.66	30	
1,1-Dichloroethene		0.0208	0.00470	0.0218	0	95.6	65	135	1.10	30	
1,1-Dichloropropene		0.0206	0.00470	0.0218	0	94.5	70	135	0.640	30	
1,2,3-Trichlorobenzene		0.0190	0.00470	0.0218	0	87.2	62	133	8.42	30	
1,2,3-Trichloropropane		0.0195	0.00470	0.0218	0	89.7	65	130	6.99	30	
1,2,4-Trichlorobenzene		0.0192	0.00470	0.0218	0	88.1	65	130	4.94	30	
1,2,4-Trimethylbenzene		0.0203	0.00470	0.0218	0	93.3	65	135	4.45	30	
1,2-Dibromo-3-chloropropane		0.0181	0.00470	0.0218	0	83.0	49	135	6.59	30	
1,2-Dibromoethane		0.0195	0.00470	0.0218	0	89.7	70	124	5.93	30	
1,2-Dichlorobenzene		0.0199	0.00470	0.0218	0	91.2	75	120	3.22	30	
1,2-Dichloroethane		0.0203	0.00470	0.0218	0	93.1	72	135	1.72	30	
1,2-Dichloropropane		0.0208	0.00470	0.0218	0	95.6	71	120	1.57	30	
1,3,5-Trimethylbenzene		0.0207	0.00470	0.0218	0	95.0	65	133	4.07	30	
1,3-Dichlorobenzene		0.0203	0.00470	0.0218	0	93.2	72	124	4.12	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,3-Dichloropropane	0.0197	0.00470	0.0218	0	90.6	76	123	6.53	30
1,4-Dichloro-2-butene	0.0190	0.00470	0.0218	0	87.1	50	150	4.12	30
1,4-Dichlorobenzene	0.0202	0.00470	0.0218	0	92.9	72	125	4.37	30
2,2-Dichloropropane	0.0217	0.00470	0.0218	0	99.6	67	134	1.98	30
2-Butanone	0.0189	0.0141	0.0218	0	86.6	60	135	7.05	30
2-Chloroethylvinylether	0.0196	0.0141	0.0218	0	89.8	50	150	6.63	30
2-Chlorotoluene	0.0207	0.00470	0.0218	0	95.0	70	128	4.02	30
2-Hexanone	0.0173	0.0141	0.0218	0	79.5	50	145	9.08	30
4-Chlorotoluene	0.0204	0.00470	0.0218	0	93.6	75	125	2.65	30
4-Isopropyltoluene	0.0203	0.00470	0.0218	0	93.3	75	133	3.03	30
4-Methyl-2-pentanone	0.0178	0.0141	0.0218	0	81.8	60	135	8.52	30
Acetone	0.0229	0.0470	0.0218	0	105	40	141	7.17	30
Acrylonitrile	0.0413	0.00939	0.0436	0	94.7	40	160	4.47	30
Benzene	0.0206	0.00470	0.0218	0	94.3	75	125	0.620	30
Bromobenzene	0.0204	0.00470	0.0218	0	93.5	66	120	4.54	30
Bromochloromethane	0.0206	0.00470	0.0218	0	94.7	71	125	1.39	30
Bromodichloromethane	0.0206	0.00470	0.0218	0	94.4	72	128	0.848	30
Bromoform	0.0190	0.00470	0.0218	0	87.0	66	137	5.30	30
Bromomethane	0.0212	0.00470	0.0218	0	97.5	45	141	4.49	30
Carbon disulfide	0.0185	0.00470	0.0218	0	84.7	50	150	0.346	30
Carbon tetrachloride	0.0211	0.00470	0.0218	0	97.0	67	133	1.21	30
Chlorobenzene	0.0203	0.00470	0.0218	0	93.3	75	123	2.79	30
Chloroethane	0.0229	0.00470	0.0218	0	105	41	141	0.481	30
Chloroform	0.0212	0.00470	0.0218	0	97.1	72	124	1.66	30
Chloromethane	0.0211	0.00470	0.0218	0	96.9	51	129	0.637	30
cis-1,2-Dichloroethene	0.0208	0.00470	0.0218	0	95.6	67	125	1.80	30
cis-1,3-Dichloropropene	0.0206	0.00470	0.0218	0	94.7	72	125	2.13	30
Dibromochloromethane	0.0198	0.00470	0.0218	0	90.6	66	130	4.69	30
Dibromomethane	0.0203	0.00470	0.0218	0	93.0	75	128	3.32	30
Dichlorodifluoromethane	0.0205	0.00470	0.0218	0	94.0	80	121	0.515	30
Ethylbenzene	0.0203	0.00470	0.0218	0	93.4	75	125	2.65	30
Hexachlorobutadiene	0.0190	0.00470	0.0218	0	87.2	55	140	2.00	30
Iodomethane	0.0209	0.00470	0.0218	0	95.7	50	150	3.40	30
Isopropylbenzene	0.0198	0.00470	0.0218	0	91.0	77	129	2.93	30
m,p-Xylene	0.0407	0.00470	0.0436	0	93.4	80	125	2.30	30
Methyl tert-butyl ether	0.0230	0.00470	0.0218	0	105	68	130	3.78	30
Methylene chloride	0.0220	0.00470	0.0218	0	101	63	137	1.90	30
n-Butylbenzene	0.0204	0.00470	0.0218	0	93.5	65	138	4.73	30
n-Propylbenzene	0.0206	0.00470	0.0218	0	94.4	65	135	2.27	30
Naphthalene	0.0184	0.0141	0.0218	0	84.5	51	125	10.3	30
o-Xylene	0.0202	0.00470	0.0218	0	92.8	77	125	3.89	30
sec-Butylbenzene	0.0204	0.00470	0.0218	0	93.5	65	130	2.98	30
Styrene	0.0197	0.00470	0.0218	0	90.4	75	125	4.40	30
tert-Butylbenzene	0.0203	0.00470	0.0218	0	93.3	65	130	2.89	30
Tetrachloroethene	0.0207	0.00470	0.0218	0	94.8	67	139	2.91	30
Toluene	0.0207	0.00470	0.0218	0	95.1	75	125	0.271	30
trans-1,2-Dichloroethene	0.0205	0.00470	0.0218	0	94.2	66	134	0.870	30

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

trans-1,3-Dichloropropene	0.0202	0.00470	0.0218	0	92.9	65	125	2.14	30
Trichloroethene	0.0212	0.00470	0.0218	0	97.2	77	124	0.506	30
Trichlorofluoromethane	0.0216	0.0141	0.0218	0	99.1	49	139	2.29	30
Vinyl chloride	0.0224	0.00470	0.0218	0	103	60	125	0.630	30
Surr: 1,2-Dichloroethane-d4	46.9		46.96		100	78	125	0	0
Surr: 4-Bromofluorobenzene	47.4		46.96		101	85	120	0	0
Surr: Dibromofluoromethane	46.9		46.96		99.9	84	116	0	0
Surr: Toluene-d8	46.7		46.96		99.5	85	115	0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Sample ID:	ICV-100125	Batch ID:	R47493	TestNo:	SW8260B	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS1_100125A	Analysis Date:	01/25/10 11:44 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0469	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0469	0.00500	0.0464	0	101	80	120			
1,1,2,2-Tetrachloroethane	0.0454	0.00500	0.0464	0	97.9	80	120			
1,1,2-Trichloroethane	0.0488	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethane	0.0469	0.00500	0.0464	0	101	80	120			
1,1-Dichloroethene	0.0481	0.00500	0.0464	0	104	80	120			
1,1-Dichloropropene	0.0476	0.00500	0.0464	0	103	80	120			
1,2,3-Trichlorobenzene	0.0503	0.00500	0.0464	0	108	80	120			
1,2,3-Trichloropropane	0.0477	0.00500	0.0464	0	103	80	120			
1,2,4-Trichlorobenzene	0.0501	0.00500	0.0464	0	108	80	120			
1,2,4-Trimethylbenzene	0.0477	0.00500	0.0464	0	103	80	120			
1,2-Dibromo-3-chloropropane	0.0484	0.00500	0.0464	0	104	80	120			
1,2-Dibromoethane	0.0468	0.00500	0.0464	0	101	80	120			
1,2-Dichlorobenzene	0.0478	0.00500	0.0464	0	103	80	120			
1,2-Dichloroethane	0.0469	0.00500	0.0464	0	101	80	120			
1,2-Dichloropropane	0.0476	0.00500	0.0464	0	103	80	120			
1,3,5-Trimethylbenzene	0.0479	0.00500	0.0464	0	103	80	120			
1,3-Dichlorobenzene	0.0478	0.00500	0.0464	0	103	80	120			
1,3-Dichloropropane	0.0464	0.00500	0.0464	0	99.9	80	120			
1,4-Dichloro-2-butene	0.0486	0.00500	0.0464	0	105	80	120			
1,4-Dichlorobenzene	0.0477	0.00500	0.0464	0	103	80	120			
2,2-Dichloropropane	0.0490	0.00500	0.0464	0	106	80	120			
2-Butanone	0.0494	0.0150	0.0464	0	106	80	120			
2-Chloroethylvinylether	0.0467	0.0150	0.0464	0	101	80	120			
2-Chlorotoluene	0.0476	0.00500	0.0464	0	103	80	120			
2-Hexanone	0.0466	0.0150	0.0464	0	100	80	120			
4-Chlorotoluene	0.0471	0.00500	0.0464	0	101	80	120			
4-Isopropyltoluene	0.0479	0.00500	0.0464	0	103	80	120			
4-Methyl-2-pentanone	0.0481	0.0150	0.0464	0	104	80	120			
Acetone	0.0543	0.0500	0.0464	0	117	80	120			
Acrylonitrile	0.0987	0.0100	0.0928	0	106	80	120			
Benzene	0.0472	0.00500	0.0464	0	102	80	120			
Bromobenzene	0.0479	0.00500	0.0464	0	103	80	120			
Bromochloromethane	0.0481	0.00500	0.0464	0	104	80	120			
Bromodichloromethane	0.0481	0.00500	0.0464	0	104	80	120			
Bromoform	0.0477	0.00500	0.0464	0	103	80	120			
Bromomethane	0.0464	0.00500	0.0464	0	100	80	120			
Carbon disulfide	0.0425	0.00500	0.0464	0	91.6	80	120			
Carbon tetrachloride	0.0471	0.00500	0.0464	0	102	80	120			
Chlorobenzene	0.0469	0.00500	0.0464	0	101	80	120			
Chloroethane	0.0466	0.00500	0.0464	0	100	80	120			
Chloroform	0.0459	0.00500	0.0464	0	98.9	80	120			
Chloromethane	0.0473	0.00500	0.0464	0	102	80	120			
cis-1,2-Dichloroethene	0.0477	0.00500	0.0464	0	103	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

cis-1,3-Dichloropropene	0.0481	0.00500	0.0464	0	104	80	120
Dibromochloromethane	0.0474	0.00500	0.0464	0	102	80	120
Dibromomethane	0.0483	0.00500	0.0464	0	104	80	120
Dichlorodifluoromethane	0.0456	0.00500	0.0464	0	98.2	80	120
Ethylbenzene	0.0471	0.00500	0.0464	0	101	80	120
Hexachlorobutadiene	0.0490	0.00500	0.0464	0	105	80	120
Iodomethane	0.0464	0.00500	0.0464	0	100	80	120
Isopropylbenzene	0.0464	0.00500	0.0464	0	100	80	120
m,p-Xylene	0.0950	0.00500	0.0928	0	102	80	120
Methyl tert-butyl ether	0.0541	0.00500	0.0464	0	117	80	120
Methylene chloride	0.0495	0.00500	0.0464	0	107	80	120
n-Butylbenzene	0.0477	0.00500	0.0464	0	103	80	120
n-Propylbenzene	0.0477	0.00500	0.0464	0	103	80	120
Naphthalene	0.0505	0.0150	0.0464	0	109	80	120
o-Xylene	0.0470	0.00500	0.0464	0	101	80	120
sec-Butylbenzene	0.0476	0.00500	0.0464	0	103	80	120
Styrene	0.0470	0.00500	0.0464	0	101	80	120
tert-Butylbenzene	0.0473	0.00500	0.0464	0	102	80	120
Tetrachloroethene	0.0476	0.00500	0.0464	0	103	80	120
Toluene	0.0477	0.00500	0.0464	0	103	80	120
trans-1,2-Dichloroethene	0.0474	0.00500	0.0464	0	102	80	120
trans-1,3-Dichloropropene	0.0482	0.00500	0.0464	0	104	80	120
Trichloroethene	0.0494	0.00500	0.0464	0	106	80	120
Trichlorofluoromethane	0.0472	0.0150	0.0464	0	102	80	120
Vinyl chloride	0.0478	0.00500	0.0464	0	103	80	120
Surr: 1,2-Dichloroethane-d4	52.1		50.00		104	78	125
Surr: 4-Bromofluorobenzene	50.1		50.00		100	85	120
Surr: Dibromofluoromethane	50.5		50.00		101	84	116
Surr: Toluene-d8	49.3		50.00		98.6	85	115

Sample ID:	ICV-100126	**Batch ID:**	R47493	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	ICV	**Run ID:**	GCMS1_100125A	**Analysis Date:**	01/26/10 09:40 AM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0470	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0488	0.00500	0.0464	0	105	80	120			
1,1,2,2-Tetrachloroethane	0.0448	0.00500	0.0464	0	96.5	80	120			
1,1,2-Trichloroethane	0.0488	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethane	0.0475	0.00500	0.0464	0	102	80	120			
1,1-Dichloroethene	0.0471	0.00500	0.0464	0	102	80	120			
1,1-Dichloropropene	0.0475	0.00500	0.0464	0	102	80	120			
1,2,3-Trichlorobenzene	0.0463	0.00500	0.0464	0	99.8	80	120			
1,2,3-Trichloropropane	0.0472	0.00500	0.0464	0	102	80	120			
1,2,4-Trichlorobenzene	0.0465	0.00500	0.0464	0	100	80	120			
1,2,4-Trimethylbenzene	0.0459	0.00500	0.0464	0	99.0	80	120			
1,2-Dibromo-3-chloropropane	0.0475	0.00500	0.0464	0	102	80	120			
1,2-Dibromoethane	0.0470	0.00500	0.0464	0	101	80	120			
1,2-Dichlorobenzene	0.0458	0.00500	0.0464	0	98.6	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,2-Dichloroethane	0.0491	0.00500	0.0464	0	106	80	120	
1,2-Dichloropropane	0.0486	0.00500	0.0464	0	105	80	120	
1,3,5-Trimethylbenzene	0.0462	0.00500	0.0464	0	99.6	80	120	
1,3-Dichlorobenzene	0.0456	0.00500	0.0464	0	98.3	80	120	
1,3-Dichloropropane	0.0464	0.00500	0.0464	0	100	80	120	
1,4-Dichloro-2-butene	0.0495	0.00500	0.0464	0	107	80	120	
1,4-Dichlorobenzene	0.0458	0.00500	0.0464	0	98.8	80	120	
2,2-Dichloropropane	0.0505	0.00500	0.0464	0	109	80	120	
2-Butanone	0.0491	0.0150	0.0464	0	106	80	120	
2-Chloroethylvinylether	0.0482	0.0150	0.0464	0	104	80	120	
2-Chlorotoluene	0.0459	0.00500	0.0464	0	98.9	80	120	
2-Hexanone	0.0448	0.0150	0.0464	0	96.6	80	120	
4-Chlorotoluene	0.0455	0.00500	0.0464	0	98.1	80	120	
4-Isopropyltoluene	0.0459	0.00500	0.0464	0	98.9	80	120	
4-Methyl-2-pentanone	0.0460	0.0150	0.0464	0	99.2	80	120	
Acetone	0.0574	0.0500	0.0464	0	124	80	120	S
Acrylonitrile	0.0987	0.0100	0.0928	0	106	80	120	
Benzene	0.0477	0.00500	0.0464	0	103	80	120	
Bromobenzene	0.0461	0.00500	0.0464	0	99.3	80	120	
Bromochloromethane	0.0492	0.00500	0.0464	0	106	80	120	
Bromodichloromethane	0.0492	0.00500	0.0464	0	106	80	120	
Bromoform	0.0471	0.00500	0.0464	0	101	80	120	
Bromomethane	0.0447	0.00500	0.0464	0	96.4	80	120	
Carbon disulfide	0.0417	0.00500	0.0464	0	89.8	80	120	
Carbon tetrachloride	0.0492	0.00500	0.0464	0	106	80	120	
Chlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120	
Chloroethane	0.0488	0.00500	0.0464	0	105	80	120	
Chloroform	0.0482	0.00500	0.0464	0	104	80	120	
Chloromethane	0.0479	0.00500	0.0464	0	103	80	120	
cis-1,2-Dichloroethene	0.0472	0.00500	0.0464	0	102	80	120	
cis-1,3-Dichloropropene	0.0490	0.00500	0.0464	0	106	80	120	
Dibromochloromethane	0.0473	0.00500	0.0464	0	102	80	120	
Dibromomethane	0.0488	0.00500	0.0464	0	105	80	120	
Dichlorodifluoromethane	0.0478	0.00500	0.0464	0	103	80	120	
Ethylbenzene	0.0460	0.00500	0.0464	0	99.2	80	120	
Hexachlorobutadiene	0.0457	0.00500	0.0464	0	98.5	80	120	
Iodomethane	0.0473	0.00500	0.0464	0	102	80	120	
Isopropylbenzene	0.0452	0.00500	0.0464	0	97.4	80	120	
m,p-Xylene	0.0922	0.00500	0.0928	0	99.4	80	120	
Methyl tert-butyl ether	0.0552	0.00500	0.0464	0	119	80	120	
Methylene chloride	0.0506	0.00500	0.0464	0	109	80	120	
n-Butylbenzene	0.0463	0.00500	0.0464	0	99.7	80	120	
n-Propylbenzene	0.0460	0.00500	0.0464	0	99.0	80	120	
Naphthalene	0.0463	0.0150	0.0464	0	99.8	80	120	
o-Xylene	0.0462	0.00500	0.0464	0	99.7	80	120	
sec-Butylbenzene	0.0457	0.00500	0.0464	0	98.4	80	120	
Styrene	0.0455	0.00500	0.0464	0	98.1	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

tert-Butylbenzene	0.0457	0.00500	0.0464	0	98.4	80	120
Tetrachloroethene	0.0467	0.00500	0.0464	0	101	80	120
Toluene	0.0478	0.00500	0.0464	0	103	80	120
trans-1,2-Dichloroethene	0.0476	0.00500	0.0464	0	103	80	120
trans-1,3-Dichloropropene	0.0497	0.00500	0.0464	0	107	80	120
Trichloroethene	0.0495	0.00500	0.0464	0	107	80	120
Trichlorofluoromethane	0.0500	0.0150	0.0464	0	108	80	120
Vinyl chloride	0.0500	0.00500	0.0464	0	108	80	120
Surr: 1,2-Dichloroethane-d4	53.9		50.00		108	78	125
Surr: 4-Bromofluorobenzene	49.8		50.00		99.7	85	120
Surr: Dibromofluoromethane	50.6		50.00		101	84	116
Surr: Toluene-d8	48.5		50.00		97.0	85	115

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Sample ID:	LCS-39179	**Batch ID:**	39179	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	LCS	**Run ID:**	GCMS2_100125A	**Analysis Date:**	01/25/10 12:42 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0237	0.00500	0.0232	0	102	75	125			
1,1,1-Trichloroethane	0.0245	0.00500	0.0232	0	106	70	130			
1,1,2,2-Tetrachloroethane	0.0248	0.00500	0.0232	0	107	59	130			
1,1,2-Trichloroethane	0.0247	0.00500	0.0232	0	107	62	125			
1,1-Dichloroethane	0.0244	0.00500	0.0232	0	105	75	125			
1,1-Dichloroethene	0.0252	0.00500	0.0232	0	108	65	135			
1,1-Dichloropropene	0.0251	0.00500	0.0232	0	108	70	135			
1,2,3-Trichlorobenzene	0.0259	0.00500	0.0232	0	112	62	133			
1,2,3-Trichloropropane	0.0256	0.00500	0.0232	0	110	65	130			
1,2,4-Trichlorobenzene	0.0248	0.00500	0.0232	0	107	65	130			
1,2,4-Trimethylbenzene	0.0245	0.00500	0.0232	0	106	65	135			
1,2-Dibromo-3-chloropropane	0.0255	0.00500	0.0232	0	110	49	135			
1,2-Dibromoethane	0.0236	0.00500	0.0232	0	102	70	124			
1,2-Dichlorobenzene	0.0242	0.00500	0.0232	0	105	75	120			
1,2-Dichloroethane	0.0246	0.00500	0.0232	0	106	72	135			
1,2-Dichloropropane	0.0244	0.00500	0.0232	0	105	71	120			
1,3,5-Trimethylbenzene	0.0246	0.00500	0.0232	0	106	65	133			
1,3-Dichlorobenzene	0.0242	0.00500	0.0232	0	104	72	124			
1,3-Dichloropropane	0.0237	0.00500	0.0232	0	102	76	123			
1,4-Dichloro-2-butene	0.0258	0.00500	0.0232	0	111	50	150			
1,4-Dichlorobenzene	0.0245	0.00500	0.0232	0	106	72	125			
2,2-Dichloropropane	0.0254	0.00500	0.0232	0	109	67	134			
2-Butanone	0.0268	0.0150	0.0232	0	116	60	135			
2-Chloroethylvinylether	0.0243	0.0150	0.0232	0	105	50	150			
2-Chlorotoluene	0.0242	0.00500	0.0232	0	104	70	128			
2-Hexanone	0.0256	0.0150	0.0232	0	110	50	145			
4-Chlorotoluene	0.0239	0.00500	0.0232	0	103	75	125			
4-Isopropyltoluene	0.0246	0.00500	0.0232	0	106	75	133			
4-Methyl-2-pentanone	0.0261	0.0150	0.0232	0	113	60	135			
Acetone	0.0301	0.0500	0.0232	0	130	40	141			
Acrylonitrile	0.0524	0.0100	0.0464	0	113	40	160			
Benzene	0.0246	0.00500	0.0232	0	106	75	125			
Bromobenzene	0.0245	0.00500	0.0232	0	106	66	120			
Bromochloromethane	0.0249	0.00500	0.0232	0	107	71	125			
Bromodichloromethane	0.0243	0.00500	0.0232	0	105	72	128			
Bromoform	0.0236	0.00500	0.0232	0	102	66	137			
Bromomethane	0.0232	0.00500	0.0232	0	100	45	141			
Carbon disulfide	0.0221	0.00500	0.0232	0	95.4	50	150			
Carbon tetrachloride	0.0244	0.00500	0.0232	0	105	67	133			
Chlorobenzene	0.0242	0.00500	0.0232	0	104	75	123			
Chloroethane	0.0252	0.00500	0.0232	0	108	41	141			
Chloroform	0.0247	0.00500	0.0232	0	106	72	124			
Chloromethane	0.0248	0.00500	0.0232	0	107	51	129			
cis-1,2-Dichloroethene	0.0245	0.00500	0.0232	0	106	67	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

cis-1,3-Dichloropropene	0.0245	0.00500	0.0232	0	106	72	125
Dibromochloromethane	0.0231	0.00500	0.0232	0	99.7	66	130
Dibromomethane	0.0252	0.00500	0.0232	0	109	75	128
Dichlorodifluoromethane	0.0252	0.00500	0.0232	0	109	80	121
Ethylbenzene	0.0245	0.00500	0.0232	0	105	75	125
Hexachlorobutadiene	0.0243	0.00500	0.0232	0	105	55	140
Iodomethane	0.0249	0.00500	0.0232	0	107	50	150
Isopropylbenzene	0.0239	0.00500	0.0232	0	103	77	129
m,p-Xylene	0.0489	0.00500	0.0464	0	105	80	125
Methyl tert-butyl ether	0.0289	0.00500	0.0232	0	125	68	130
Methylene chloride	0.0261	0.00500	0.0232	0	112	63	137
n-Butylbenzene	0.0246	0.00500	0.0232	0	106	65	138
n-Propylbenzene	0.0246	0.00500	0.0232	0	106	65	135
Naphthalene	0.0268	0.0150	0.0232	0	115	51	125
o-Xylene	0.0236	0.00500	0.0232	0	102	77	125
sec-Butylbenzene	0.0247	0.00500	0.0232	0	106	65	130
Styrene	0.0230	0.00500	0.0232	0	99.4	75	125
tert-Butylbenzene	0.0243	0.00500	0.0232	0	105	65	130
Tetrachloroethene	0.0245	0.00500	0.0232	0	106	67	139
Toluene	0.0247	0.00500	0.0232	0	106	75	125
trans-1,2-Dichloroethene	0.0246	0.00500	0.0232	0	106	66	134
trans-1,3-Dichloropropene	0.0250	0.00500	0.0232	0	108	65	125
Trichloroethene	0.0257	0.00500	0.0232	0	111	77	124
Trichlorofluoromethane	0.0248	0.0150	0.0232	0	107	49	139
Vinyl chloride	0.0254	0.00500	0.0232	0	109	60	125
Surr: 1,2-Dichloroethane-d4	52.8		50.00		106	78	125
Surr: 4-Bromofluorobenzene	48.9		50.00		97.9	85	120
Surr: Dibromofluoromethane	50.7		50.00		101	84	116
Surr: Toluene-d8	47.3		50.00		94.5	85	115

Sample ID:	MB-39179	**Batch ID:**	39179	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS2_100125A	**Analysis Date:**	01/25/10 01:45 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,2-Dichloroethane	ND	0.00500
1,2-Dichloropropane	ND	0.00500
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00500
1,3-Dichloropropane	ND	0.00500
1,4-Dichloro-2-butene	ND	0.00500
1,4-Dichlorobenzene	ND	0.00500
2,2-Dichloropropane	ND	0.00500
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00500
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00500
4-Isopropyltoluene	ND	0.00500
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0500
Acrylonitrile	ND	0.0100
Benzene	ND	0.00500
Bromobenzene	ND	0.00500
Bromochloromethane	ND	0.00500
Bromodichloromethane	ND	0.00500
Bromoform	ND	0.00500
Bromomethane	ND	0.00500
Carbon disulfide	ND	0.00500
Carbon tetrachloride	ND	0.00500
Chlorobenzene	ND	0.00500
Chloroethane	ND	0.00500
Chloroform	ND	0.00500
Chloromethane	ND	0.00500
cis-1,2-Dichloroethene	ND	0.00500
cis-1,3-Dichloropropene	ND	0.00500
Dibromochloromethane	ND	0.00500
Dibromomethane	ND	0.00500
Dichlorodifluoromethane	ND	0.00500
Ethylbenzene	ND	0.00500
Hexachlorobutadiene	ND	0.00500
Iodomethane	ND	0.00500
Isopropylbenzene	ND	0.00500
m,p-Xylene	ND	0.00500
Methyl tert-butyl ether	ND	0.00500
Methylene chloride	ND	0.00500
n-Butylbenzene	ND	0.00500
n-Propylbenzene	ND	0.00500
Naphthalene	ND	0.0150
o-Xylene	ND	0.00500
sec-Butylbenzene	ND	0.00500
Styrene	ND	0.00500

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	49.7		50.00	99.3	78	125
Surr: 4-Bromofluorobenzene	48.4		50.00	96.7	85	120
Surr: Dibromofluoromethane	50.2		50.00	100	84	116
Surr: Toluene-d8	47.4		50.00	94.8	85	115

Sample ID:	SYS BL-39179	**Batch ID:**	39179	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	MBLK	**Run ID:**	GCMS2_100125A	**Analysis Date:**	01/26/10 11:13 AM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								
1,2-Dichloroethane	ND	0.00500								
1,2-Dichloropropane	ND	0.00500								
1,3,5-Trimethylbenzene	ND	0.00500								
1,3-Dichlorobenzene	ND	0.00500								
1,3-Dichloropropane	ND	0.00500								
1,4-Dichloro-2-butene	ND	0.00500								
1,4-Dichlorobenzene	ND	0.00500								
2,2-Dichloropropane	ND	0.00500								
2-Butanone	ND	0.0150								
2-Chloroethylvinylether	ND	0.0150								
2-Chlorotoluene	ND	0.00500								
2-Hexanone	ND	0.0150								
4-Chlorotoluene	ND	0.00500								
4-Isopropyltoluene	ND	0.00500								
4-Methyl-2-pentanone	ND	0.0150								
Acetone	ND	0.0500								
Acrylonitrile	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Benzene	ND	0.00500				
Bromobenzene	ND	0.00500				
Bromochloromethane	ND	0.00500				
Bromodichloromethane	ND	0.00500				
Bromoform	ND	0.00500				
Bromomethane	ND	0.00500				
Carbon disulfide	ND	0.00500				
Carbon tetrachloride	ND	0.00500				
Chlorobenzene	ND	0.00500				
Chloroethane	ND	0.00500				
Chloroform	ND	0.00500				
Chloromethane	ND	0.00500				
cis-1,2-Dichloroethene	ND	0.00500				
cis-1,3-Dichloropropene	ND	0.00500				
Dibromochloromethane	ND	0.00500				
Dibromomethane	ND	0.00500				
Dichlorodifluoromethane	ND	0.00500				
Ethylbenzene	ND	0.00500				
Hexachlorobutadiene	ND	0.00500				
Iodomethane	ND	0.00500				
Isopropylbenzene	ND	0.00500				
m,p-Xylene	ND	0.00500				
Methyl tert-butyl ether	ND	0.00500				
Methylene chloride	ND	0.00500				
n-Butylbenzene	ND	0.00500				
n-Propylbenzene	ND	0.00500				
Naphthalene	ND	0.0150				
o-Xylene	ND	0.00500				
sec-Butylbenzene	ND	0.00500				
Styrene	ND	0.00500				
tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	49.7		50.00	99.4	78	125
Surr: 4-Bromofluorobenzene	49.9		50.00	99.8	85	120
Surr: Dibromofluoromethane	50.5		50.00	101	84	116
Surr: Toluene-d8	47.6		50.00	95.2	85	115

Sample ID:	1001149-14AMS	**Batch ID:**	39179	**TestNo:**	SW8260B	**Units:**	mg/Kg-dry
SampType:	MS	**Run ID:**	GCMS2_100125A	**Analysis Date:**	01/26/10 12:54 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0185	0.00510	0.0237	0	78.2	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,1,1-Trichloroethane	0.0202	0.00510	0.0237	0	85.2	70	130	
1,1,2,2-Tetrachloroethane	0.0208	0.00510	0.0237	0	87.8	59	130	
1,1,2-Trichloroethane	0.0199	0.00510	0.0237	0	84.0	62	125	
1,1-Dichloroethane	0.0214	0.00510	0.0237	0	90.4	75	125	
1,1-Dichloroethene	0.0217	0.00510	0.0237	0	91.6	65	135	
1,1-Dichloropropene	0.0199	0.00510	0.0237	0	84.1	70	135	
1,2,3-Trichlorobenzene	0.00895	0.00510	0.0237	0	37.8	62	133	S
1,2,3-Trichloropropane	0.0213	0.00510	0.0237	0	89.9	65	130	
1,2,4-Trichlorobenzene	0.00963	0.00510	0.0237	0	40.7	65	130	S
1,2,4-Trimethylbenzene	0.0151	0.00510	0.0237	0	63.9	65	135	S
1,2-Dibromo-3-chloropropane	0.0194	0.00510	0.0237	0	82.1	49	135	
1,2-Dibromoethane	0.0193	0.00510	0.0237	0	81.5	70	124	
1,2-Dichlorobenzene	0.0152	0.00510	0.0237	0	64.1	75	120	S
1,2-Dichloroethane	0.0207	0.00510	0.0237	0	87.6	72	135	
1,2-Dichloropropane	0.0209	0.00510	0.0237	0	88.4	71	120	
1,3,5-Trimethylbenzene	0.0150	0.00510	0.0237	0	63.3	65	133	S
1,3-Dichlorobenzene	0.0149	0.00510	0.0237	0	63.0	72	124	S
1,3-Dichloropropane	0.0196	0.00510	0.0237	0	82.8	76	123	
1,4-Dichloro-2-butene	0.0208	0.00510	0.0237	0	88.1	50	150	
1,4-Dichlorobenzene	0.0158	0.00510	0.0237	0	66.6	72	125	S
2,2-Dichloropropane	0.0218	0.00510	0.0237	0	92.1	67	134	
2-Butanone	0.0184	0.0153	0.0237	0	77.8	60	135	
2-Chloroethylvinylether	0.0192	0.0153	0.0237	0	81.3	50	150	
2-Chlorotoluene	0.0162	0.00510	0.0237	0	68.4	70	128	S
2-Hexanone	0.0189	0.0153	0.0237	0	79.7	50	145	
4-Chlorotoluene	0.0166	0.00510	0.0237	0	69.9	75	125	S
4-Isopropyltoluene	0.0122	0.00510	0.0237	0	51.6	75	133	S
4-Methyl-2-pentanone	0.0196	0.0153	0.0237	0	82.9	60	135	
Acetone	0.0233	0.0510	0.0237	0	98.3	40	141	
Acrylonitrile	0.0433	0.0102	0.0473	0	91.4	40	160	
Benzene	0.0209	0.00510	0.0237	0	88.4	75	125	
Bromobenzene	0.0192	0.00510	0.0237	0	80.9	66	120	
Bromochloromethane	0.0215	0.00510	0.0237	0	91.0	71	125	
Bromodichloromethane	0.0201	0.00510	0.0237	0	84.8	72	128	
Bromoform	0.0176	0.00510	0.0237	0	74.4	66	137	
Bromomethane	0.0225	0.00510	0.0237	0	95.0	45	141	
Carbon disulfide	0.0185	0.00510	0.0237	0	78.1	50	150	
Carbon tetrachloride	0.0191	0.00510	0.0237	0	80.5	67	133	
Chlorobenzene	0.0185	0.00510	0.0237	0	78.1	75	123	
Chloroethane	0.0238	0.00510	0.0237	0	100	41	141	
Chloroform	0.0214	0.00510	0.0237	0	90.3	72	124	
Chloromethane	0.0219	0.00510	0.0237	0	92.7	51	129	
cis-1,2-Dichloroethene	0.0215	0.00510	0.0237	0	90.9	67	125	
cis-1,3-Dichloropropene	0.0205	0.00510	0.0237	0	86.8	72	125	
Dibromochloromethane	0.0187	0.00510	0.0237	0	78.8	66	130	
Dibromomethane	0.0208	0.00510	0.0237	0	88.1	75	128	
Dichlorodifluoromethane	0.0215	0.00510	0.0237	0	90.8	80	121	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Ethylbenzene	0.0171	0.00510	0.0237	0	72.1	75	125	S
Hexachlorobutadiene	0.00536	0.00510	0.0237	0	22.6	55	140	S
Iodomethane	0.0216	0.00510	0.0237	0	91.2	50	150	
Isopropylbenzene	0.0141	0.00510	0.0237	0	59.4	77	129	S
m,p-Xylene	0.0341	0.00510	0.0473	0	72.1	80	125	S
Methyl tert-butyl ether	0.0237	0.00510	0.0237	0	100	68	130	
Methylene chloride	0.0221	0.00510	0.0237	0	93.4	63	137	
n-Butylbenzene	0.0108	0.00510	0.0237	0	45.6	65	138	S
n-Propylbenzene	0.0149	0.00510	0.0237	0	63.1	65	135	S
Naphthalene	0.0141	0.0153	0.0237	0	59.4	51	125	
o-Xylene	0.0165	0.00510	0.0237	0	69.9	77	125	S
sec-Butylbenzene	0.0122	0.00510	0.0237	0	51.5	65	130	S
Styrene	0.0164	0.00510	0.0237	0	69.3	75	125	S
tert-Butylbenzene	0.0135	0.00510	0.0237	0	57.1	65	130	S
Tetrachloroethene	0.0161	0.00510	0.0237	0	68.2	67	139	
Toluene	0.0198	0.00510	0.0237	0	83.6	75	125	
trans-1,2-Dichloroethene	0.0215	0.00510	0.0237	0	90.6	66	134	
trans-1,3-Dichloropropene	0.0205	0.00510	0.0237	0	86.7	65	125	
Trichloroethene	0.0204	0.00510	0.0237	0	86.1	77	124	
Trichlorofluoromethane	0.0218	0.0153	0.0237	0	92.2	49	139	
Vinyl chloride	0.0229	0.00510	0.0237	0	96.6	60	125	
Surr: 1,2-Dichloroethane-d4	52.5		51.02		103	78	125	
Surr: 4-Bromofluorobenzene	54.2		51.02		106	85	120	
Surr: Dibromofluoromethane	51.7		51.02		101	84	116	
Surr: Toluene-d8	49.7		51.02		97.5	85	115	

Sample ID:	1001149-14AMSD	**Batch ID:**	39179	**TestNo:**		SW8260B		**Units:**		mg/Kg-dry
SampType:	MSD	**Run ID:**	GCMS2_100125A	**Analysis Date:**		01/26/10 04:19 PM		**Prep Date:**		01/25/10
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
1,1,1,2-Tetrachloroethane		0.0190	0.00522	0.0242	0	78.4	75	125	2.60	30	
1,1,1-Trichloroethane		0.0208	0.00522	0.0242	0	85.7	70	130	2.98	30	
1,1,2,2-Tetrachloroethane		0.0211	0.00522	0.0242	0	87.1	59	130	1.43	30	
1,1,2-Trichloroethane		0.0218	0.00522	0.0242	0	90.0	62	125	9.21	30	
1,1-Dichloroethane		0.0213	0.00522	0.0242	0	87.9	75	125	0.484	30	
1,1-Dichloroethene		0.0216	0.00522	0.0242	0	89.2	65	135	0.348	30	
1,1-Dichloropropene		0.0205	0.00522	0.0242	0	84.7	70	135	3.09	30	
1,2,3-Trichlorobenzene		0.0124	0.00522	0.0242	0	51.0	62	133	32.1	30	SR
1,2,3-Trichloropropane		0.0224	0.00522	0.0242	0	92.5	65	130	5.11	30	
1,2,4-Trichlorobenzene		0.0128	0.00522	0.0242	0	52.9	65	130	28.4	30	S
1,2,4-Trimethylbenzene		0.0168	0.00522	0.0242	0	69.3	65	135	10.4	30	
1,2-Dibromo-3-chloropropane		0.0201	0.00522	0.0242	0	83.1	49	135	3.63	30	
1,2-Dibromoethane		0.0201	0.00522	0.0242	0	83.1	70	124	4.26	30	
1,2-Dichlorobenzene		0.0172	0.00522	0.0242	0	70.9	75	120	12.3	30	S
1,2-Dichloroethane		0.0219	0.00522	0.0242	0	90.3	72	135	5.37	30	
1,2-Dichloropropane		0.0213	0.00522	0.0242	0	87.8	71	120	1.64	30	
1,3,5-Trimethylbenzene		0.0164	0.00522	0.0242	0	67.9	65	133	9.28	30	
1,3-Dichlorobenzene		0.0167	0.00522	0.0242	0	69.1	72	124	11.5	30	S

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,3-Dichloropropane	0.0201	0.00522	0.0242	0	83.1	76	123	2.63	30	
1,4-Dichloro-2-butene	0.0213	0.00522	0.0242	0	87.8	50	150	1.98	30	
1,4-Dichlorobenzene	0.0173	0.00522	0.0242	0	71.4	72	125	9.31	30	S
2,2-Dichloropropane	0.0220	0.00522	0.0242	0	90.8	67	134	0.860	30	
2-Butanone	0.0225	0.0157	0.0242	0	93.1	60	135	20.2	30	
2-Chloroethylvinylether	0.0214	0.0157	0.0242	0	88.3	50	150	10.6	30	
2-Chlorotoluene	0.0171	0.00522	0.0242	0	70.6	70	128	5.54	30	
2-Hexanone	0.0209	0.0157	0.0242	0	86.1	50	145	10.0	30	
4-Chlorotoluene	0.0177	0.00522	0.0242	0	73.0	75	125	6.60	30	S
4-Isopropyltoluene	0.0141	0.00522	0.0242	0	58.3	75	133	14.5	30	S
4-Methyl-2-pentanone	0.0220	0.0157	0.0242	0	90.6	60	135	11.2	30	
Acetone	0.0325	0.0522	0.0242	0	134	40	141	33.2	30	R
Acrylonitrile	0.0474	0.0104	0.0242	0	196	40	160	9.20	30	S
Benzene	0.0212	0.00522	0.0242	0	87.5	75	125	1.39	30	
Bromobenzene	0.0191	0.00522	0.0242	0	78.9	66	120	0.268	30	
Bromochloromethane	0.0224	0.00522	0.0242	0	92.4	71	125	3.87	30	
Bromodichloromethane	0.0208	0.00522	0.0242	0	85.9	72	128	3.63	30	
Bromoform	0.0193	0.00522	0.0242	0	79.7	66	137	9.19	30	
Bromomethane	0.0232	0.00522	0.0242	0	95.9	45	141	3.27	30	
Carbon disulfide	0.0188	0.00522	0.0242	0	77.6	50	150	1.71	30	
Carbon tetrachloride	0.0199	0.00522	0.0242	0	82.3	67	133	4.54	30	
Chlorobenzene	0.0194	0.00522	0.0242	0	80.3	75	123	4.99	30	
Chloroethane	0.0231	0.00522	0.0242	0	95.3	41	141	2.92	30	
Chloroform	0.0209	0.00522	0.0242	0	86.3	72	124	2.12	30	
Chloromethane	0.0217	0.00522	0.0242	0	89.6	51	129	1.04	30	
cis-1,2-Dichloroethene	0.0210	0.00522	0.0242	0	86.6	67	125	2.59	30	
cis-1,3-Dichloropropene	0.0213	0.00522	0.0242	0	87.8	72	125	3.46	30	
Dibromochloromethane	0.0191	0.00522	0.0242	0	78.9	66	130	2.49	30	
Dibromomethane	0.0221	0.00522	0.0242	0	91.2	75	128	5.83	30	
Dichlorodifluoromethane	0.0214	0.00522	0.0242	0	88.5	80	121	0.275	30	
Ethylbenzene	0.0185	0.00522	0.0242	0	76.5	75	125	8.24	30	
Hexachlorobutadiene	0.00797	0.00522	0.0242	0	32.9	55	140	39.2	30	SR
Iodomethane	0.0208	0.00522	0.0242	0	85.8	50	150	3.81	30	
Isopropylbenzene	0.0164	0.00522	0.0242	0	67.5	77	129	15.2	30	S
m,p-Xylene	0.0373	0.00522	0.0485	0	77.0	80	125	8.94	30	S
Methyl tert-butyl ether	0.0249	0.00522	0.0242	0	103	68	130	5.21	30	
Methylene chloride	0.0225	0.00522	0.0242	0	92.7	63	137	1.53	30	
n-Butylbenzene	0.0127	0.00522	0.0242	0	52.3	65	138	16.0	30	S
n-Propylbenzene	0.0165	0.00522	0.0242	0	68.1	65	135	9.87	30	
Naphthalene	0.0164	0.0157	0.0242	0	67.9	51	125	15.7	30	
o-Xylene	0.0182	0.00522	0.0242	0	75.0	77	125	9.34	30	S
sec-Butylbenzene	0.0141	0.00522	0.0242	0	58.1	65	130	14.3	30	S
Styrene	0.0178	0.00522	0.0242	0	73.3	75	125	7.88	30	S
tert-Butylbenzene	0.0150	0.00522	0.0242	0	62.1	65	130	10.7	30	S
Tetrachloroethene	0.0178	0.00522	0.0242	0	73.7	67	139	10.0	30	
Toluene	0.0208	0.00522	0.0242	0	85.9	75	125	5.02	30	
trans-1,2-Dichloroethene	0.0214	0.00522	0.0242	0	88.5	66	134	0.085	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

trans-1,3-Dichloropropene	0.0217	0.00522	0.0242	0	89.6	65	125	5.65	30
Trichloroethene	0.0216	0.00522	0.0242	0	89.0	77	124	5.57	30
Trichlorofluoromethane	0.0221	0.0157	0.0242	0	91.0	49	139	1.10	30
Vinyl chloride	0.0222	0.00522	0.0242	0	91.6	60	125	3.04	30
Surr: 1,2-Dichloroethane-d4	57.8		52.22		111	78	125	0	0
Surr: 4-Bromofluorobenzene	52.8		52.22		101	85	120	0	0
Surr: Dibromofluoromethane	54.9		52.22		105	84	116	0	0
Surr: Toluene-d8	49.3		52.22		94.3	85	115	0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Sample ID:	ICV-100125	Batch ID:	R47494	TestNo:	SW8260B	Units:	mg/Kg		
SampType:	ICV	Run ID:	GCMS2_100125A	Analysis Date:	01/25/10 12:09 PM	Prep Date:			

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0461	0.00500	0.0464	0	99.3	80	120			
1,1,1-Trichloroethane	0.0490	0.00500	0.0464	0	106	80	120			
1,1,2,2-Tetrachloroethane	0.0463	0.00500	0.0464	0	99.8	80	120			
1,1,2-Trichloroethane	0.0479	0.00500	0.0464	0	103	80	120			
1,1-Dichloroethane	0.0486	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethene	0.0493	0.00500	0.0464	0	106	80	120			
1,1-Dichloropropene	0.0488	0.00500	0.0464	0	105	80	120			
1,2,3-Trichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2,3-Trichloropropane	0.0463	0.00500	0.0464	0	99.8	80	120			
1,2,4-Trichlorobenzene	0.0476	0.00500	0.0464	0	102	80	120			
1,2,4-Trimethylbenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2-Dibromo-3-chloropropane	0.0458	0.00500	0.0464	0	98.8	80	120			
1,2-Dibromoethane	0.0458	0.00500	0.0464	0	98.6	80	120			
1,2-Dichlorobenzene	0.0457	0.00500	0.0464	0	98.6	80	120			
1,2-Dichloroethane	0.0483	0.00500	0.0464	0	104	80	120			
1,2-Dichloropropane	0.0478	0.00500	0.0464	0	103	80	120			
1,3,5-Trimethylbenzene	0.0469	0.00500	0.0464	0	101	80	120			
1,3-Dichlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120			
1,3-Dichloropropane	0.0454	0.00500	0.0464	0	97.8	80	120			
1,4-Dichloro-2-butene	0.0485	0.00500	0.0464	0	105	80	120			
1,4-Dichlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120			
2,2-Dichloropropane	0.0513	0.00500	0.0464	0	111	80	120			
2-Butanone	0.0480	0.0150	0.0464	0	103	80	120			
2-Chloroethylvinylether	0.0479	0.0150	0.0464	0	103	80	120			
2-Chlorotoluene	0.0459	0.00500	0.0464	0	98.8	80	120			
2-Hexanone	0.0473	0.0150	0.0464	0	102	80	120			
4-Chlorotoluene	0.0463	0.00500	0.0464	0	99.7	80	120			
4-Isopropyltoluene	0.0473	0.00500	0.0464	0	102	80	120			
4-Methyl-2-pentanone	0.0480	0.0150	0.0464	0	103	80	120			
Acetone	0.0565	0.0500	0.0464	0	122	80	120			S
Acrylonitrile	0.0995	0.0100	0.0928	0	107	80	120			
Benzene	0.0478	0.00500	0.0464	0	103	80	120			
Bromobenzene	0.0467	0.00500	0.0464	0	101	80	120			
Bromochloromethane	0.0491	0.00500	0.0464	0	106	80	120			
Bromodichloromethane	0.0474	0.00500	0.0464	0	102	80	120			
Bromoform	0.0471	0.00500	0.0464	0	101	80	120			
Bromomethane	0.0473	0.00500	0.0464	0	102	80	120			
Carbon disulfide	0.0440	0.00500	0.0464	0	94.8	80	120			
Carbon tetrachloride	0.0485	0.00500	0.0464	0	105	80	120			
Chlorobenzene	0.0475	0.00500	0.0464	0	102	80	120			
Chloroethane	0.0492	0.00500	0.0464	0	106	80	120			
Chloroform	0.0480	0.00500	0.0464	0	103	80	120			
Chloromethane	0.0487	0.00500	0.0464	0	105	80	120			
cis-1,2-Dichloroethene	0.0489	0.00500	0.0464	0	105	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

cis-1,3-Dichloropropene	0.0486	0.00500	0.0464	0	105	80	120
Dibromochloromethane	0.0456	0.00500	0.0464	0	98.2	80	120
Dibromomethane	0.0484	0.00500	0.0464	0	104	80	120
Dichlorodifluoromethane	0.0498	0.00500	0.0464	0	107	80	120
Ethylbenzene	0.0476	0.00500	0.0464	0	103	80	120
Hexachlorobutadiene	0.0464	0.00500	0.0464	0	100	80	120
Iodomethane	0.0498	0.00500	0.0464	0	107	80	120
Isopropylbenzene	0.0466	0.00500	0.0464	0	100	80	120
m,p-Xylene	0.0953	0.00500	0.0928	0	103	80	120
Methyl tert-butyl ether	0.0554	0.00500	0.0464	0	119	80	120
Methylene chloride	0.0501	0.00500	0.0464	0	108	80	120
n-Butylbenzene	0.0476	0.00500	0.0464	0	103	80	120
n-Propylbenzene	0.0471	0.00500	0.0464	0	102	80	120
Naphthalene	0.0476	0.0150	0.0464	0	103	80	120
o-Xylene	0.0471	0.00500	0.0464	0	101	80	120
sec-Butylbenzene	0.0464	0.00500	0.0464	0	99.9	80	120
Styrene	0.0462	0.00500	0.0464	0	99.6	80	120
tert-Butylbenzene	0.0461	0.00500	0.0464	0	99.4	80	120
Tetrachloroethene	0.0474	0.00500	0.0464	0	102	80	120
Toluene	0.0492	0.00500	0.0464	0	106	80	120
trans-1,2-Dichloroethene	0.0485	0.00500	0.0464	0	105	80	120
trans-1,3-Dichloropropene	0.0494	0.00500	0.0464	0	106	80	120
Trichloroethene	0.0494	0.00500	0.0464	0	107	80	120
Trichlorofluoromethane	0.0497	0.0150	0.0464	0	107	80	120
Vinyl chloride	0.0499	0.00500	0.0464	0	108	80	120
Surr: 1,2-Dichloroethane-d4	54.8		50.00		110	78	125
Surr: 4-Bromofluorobenzene	48.3		50.00		96.6	85	120
Surr: Dibromofluoromethane	51.0		50.00		102	84	116
Surr: Toluene-d8	47.9		50.00		95.7	85	115

Sample ID:	ICV-100126	**Batch ID:**	R47494	**TestNo:**	SW8260B	**Units:**	mg/Kg
SampType:	ICV	**Run ID:**	GCMS2_100125A	**Analysis Date:**	01/26/10 10:05 AM	**Prep Date:**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0468	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0499	0.00500	0.0464	0	107	80	120			
1,1,2,2-Tetrachloroethane	0.0449	0.00500	0.0464	0	96.8	80	120			
1,1,2-Trichloroethane	0.0485	0.00500	0.0464	0	104	80	120			
1,1-Dichloroethane	0.0493	0.00500	0.0464	0	106	80	120			
1,1-Dichloroethene	0.0499	0.00500	0.0464	0	107	80	120			
1,1-Dichloropropene	0.0500	0.00500	0.0464	0	108	80	120			
1,2,3-Trichlorobenzene	0.0458	0.00500	0.0464	0	98.7	80	120			
1,2,3-Trichloropropane	0.0466	0.00500	0.0464	0	100	80	120			
1,2,4-Trichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2,4-Trimethylbenzene	0.0479	0.00500	0.0464	0	103	80	120			
1,2-Dibromo-3-chloropropane	0.0464	0.00500	0.0464	0	100	80	120			
1,2-Dibromoethane	0.0458	0.00500	0.0464	0	98.8	80	120			
1,2-Dichlorobenzene	0.0461	0.00500	0.0464	0	99.3	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,2-Dichloroethane	0.0496	0.00500	0.0464	0	107	80	120	
1,2-Dichloropropane	0.0483	0.00500	0.0464	0	104	80	120	
1,3,5-Trimethylbenzene	0.0480	0.00500	0.0464	0	103	80	120	
1,3-Dichlorobenzene	0.0470	0.00500	0.0464	0	101	80	120	
1,3-Dichloropropane	0.0456	0.00500	0.0464	0	98.3	80	120	
1,4-Dichloro-2-butene	0.0492	0.00500	0.0464	0	106	80	120	
1,4-Dichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120	
2,2-Dichloropropane	0.0526	0.00500	0.0464	0	113	80	120	
2-Butanone	0.0449	0.0150	0.0464	0	96.7	80	120	
2-Chloroethylvinylether	0.0467	0.0150	0.0464	0	101	80	120	
2-Chlorotoluene	0.0463	0.00500	0.0464	0	99.9	80	120	
2-Hexanone	0.0444	0.0150	0.0464	0	95.8	80	120	
4-Chlorotoluene	0.0473	0.00500	0.0464	0	102	80	120	
4-Isopropyltoluene	0.0479	0.00500	0.0464	0	103	80	120	
4-Methyl-2-pentanone	0.0451	0.0150	0.0464	0	97.2	80	120	
Acetone	0.0595	0.0500	0.0464	0	128	80	120	S
Acrylonitrile	0.0949	0.0100	0.0928	0	102	80	120	
Benzene	0.0486	0.00500	0.0464	0	105	80	120	
Bromobenzene	0.0468	0.00500	0.0464	0	101	80	120	
Bromochloromethane	0.0493	0.00500	0.0464	0	106	80	120	
Bromodichloromethane	0.0490	0.00500	0.0464	0	106	80	120	
Bromoform	0.0468	0.00500	0.0464	0	101	80	120	
Bromomethane	0.0471	0.00500	0.0464	0	102	80	120	
Carbon disulfide	0.0435	0.00500	0.0464	0	93.7	80	120	
Carbon tetrachloride	0.0499	0.00500	0.0464	0	108	80	120	
Chlorobenzene	0.0477	0.00500	0.0464	0	103	80	120	
Chloroethane	0.0502	0.00500	0.0464	0	108	80	120	
Chloroform	0.0486	0.00500	0.0464	0	105	80	120	
Chloromethane	0.0486	0.00500	0.0464	0	105	80	120	
cis-1,2-Dichloroethene	0.0483	0.00500	0.0464	0	104	80	120	
cis-1,3-Dichloropropene	0.0485	0.00500	0.0464	0	104	80	120	
Dibromochloromethane	0.0460	0.00500	0.0464	0	99.1	80	120	
Dibromomethane	0.0478	0.00500	0.0464	0	103	80	120	
Dichlorodifluoromethane	0.0513	0.00500	0.0464	0	111	80	120	
Ethylbenzene	0.0474	0.00500	0.0464	0	102	80	120	
Hexachlorobutadiene	0.0489	0.00500	0.0464	0	105	80	120	
Iodomethane	0.0487	0.00500	0.0464	0	105	80	120	
Isopropylbenzene	0.0476	0.00500	0.0464	0	103	80	120	
m,p-Xylene	0.0973	0.00500	0.0928	0	105	80	120	
Methyl tert-butyl ether	0.0554	0.00500	0.0464	0	119	80	120	
Methylene chloride	0.0507	0.00500	0.0464	0	109	80	120	
n-Butylbenzene	0.0474	0.00500	0.0464	0	102	80	120	
n-Propylbenzene	0.0472	0.00500	0.0464	0	102	80	120	
Naphthalene	0.0443	0.0150	0.0464	0	95.5	80	120	
o-Xylene	0.0467	0.00500	0.0464	0	101	80	120	
sec-Butylbenzene	0.0475	0.00500	0.0464	0	102	80	120	
Styrene	0.0460	0.00500	0.0464	0	99.1	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

tert-Butylbenzene	0.0475	0.00500	0.0464	0	102	80	120
Tetrachloroethene	0.0482	0.00500	0.0464	0	104	80	120
Toluene	0.0499	0.00500	0.0464	0	108	80	120
trans-1,2-Dichloroethene	0.0492	0.00500	0.0464	0	106	80	120
trans-1,3-Dichloropropene	0.0498	0.00500	0.0464	0	107	80	120
Trichloroethene	0.0500	0.00500	0.0464	0	108	80	120
Trichlorofluoromethane	0.0518	0.0150	0.0464	0	112	80	120
Vinyl chloride	0.0511	0.00500	0.0464	0	110	80	120
Surr: 1,2-Dichloroethane-d4	55.5		50.00		111	78	125
Surr: 4-Bromofluorobenzene	49.0		50.00		98.1	85	120
Surr: Dibromofluoromethane	50.6		50.00		101	84	116
Surr: Toluene-d8	48.3		50.00		96.6	85	115

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Sample ID:	LCS-39254	Batch ID:	39254	TestNo:	SW8260B	Units:	mg/L
SampType:	LCS	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 11:10 AM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0245	0.00100	0.0232	0	106	80	130			
1,1,1-Trichloroethane	0.0242	0.00100	0.0232	0	104	65	130			
1,1,2,2-Tetrachloroethane	0.0233	0.00100	0.0232	0	100	65	130			
1,1,2-Trichloroethane	0.0237	0.00100	0.0232	0	102	75	125			
1,1-Dichloroethane	0.0236	0.00100	0.0232	0	102	70	135			
1,1-Dichloroethene	0.0230	0.00100	0.0232	0	98.9	70	130			
1,1-Dichloropropene	0.0237	0.00100	0.0232	0	102	75	130			
1,2,3-Trichlorobenzene	0.0235	0.00500	0.0232	0	101	55	140			
1,2,3-Trichloropropane	0.0233	0.00100	0.0232	0	101	75	125			
1,2,4-Trichlorobenzene	0.0235	0.00500	0.0232	0	101	65	135			
1,2,4-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	75	130			
1,2-Dibromo-3-chloropropane	0.0218	0.0100	0.0232	0	93.9	50	130			
1,2-Dibromoethane	0.0238	0.00100	0.0232	0	103	80	120			
1,2-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	70	120			
1,2-Dichloroethane	0.0232	0.00100	0.0232	0	100	70	130			
1,2-Dichloropropane	0.0240	0.00100	0.0232	0	103	75	125			
1,3,5-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	75	130			
1,3-Dichlorobenzene	0.0241	0.00100	0.0232	0	104	75	125			
1,3-Dichloropropane	0.0237	0.00100	0.0232	0	102	75	125			
1,4-Dichloro-2-butene	0.0245	0.00200	0.0232	0	106	50	150			
1,4-Dichlorobenzene	0.0237	0.00100	0.0232	0	102	75	125			
2,2-Dichloropropane	0.0253	0.00100	0.0232	0	109	70	135			
2-Butanone	0.0215	0.0150	0.0232	0	92.5	30	150			
2-Chloroethylvinylether	0.0232	0.0150	0.0232	0	99.9	50	150			
2-Chlorotoluene	0.0239	0.00100	0.0232	0	103	75	125			
2-Hexanone	0.0226	0.0150	0.0232	0	97.6	55	130			
4-Chlorotoluene	0.0242	0.00100	0.0232	0	104	75	130			
4-Methyl-2-pentanone	0.0232	0.0150	0.0232	0	100	60	135			
Acetone	0.0220	0.0150	0.0232	0	94.9	40	140			
Acrylonitrile	0.0474	0.00300	0.0464	0	102	50	150			
Benzene	0.0234	0.00100	0.0232	0	101	80	120			
Bromobenzene	0.0237	0.00100	0.0232	0	102	75	125			
Bromochloromethane	0.0239	0.00100	0.0232	0	103	65	130			
Bromodichloromethane	0.0241	0.00100	0.0232	0	104	75	120			
Bromoform	0.0245	0.00100	0.0232	0	106	70	130			
Bromomethane	0.0229	0.00100	0.0232	0	98.7	30	145			
Carbon disulfide	0.0220	0.0150	0.0232	0	94.7	35	160			
Carbon tetrachloride	0.0240	0.00100	0.0232	0	104	65	140			
Chlorobenzene	0.0234	0.00100	0.0232	0	101	80	120			
Chloroethane	0.0234	0.00100	0.0232	0	101	60	135			
Chloroform	0.0236	0.00100	0.0232	0	102	65	135			
Chloromethane	0.0236	0.00100	0.0232	0	102	40	125			
cis-1,2-Dichloroethene	0.0241	0.00100	0.0232	0	104	70	125			
cis-1,3-Dichloropropene	0.0253	0.00100	0.0232	0	109	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Dibromochloromethane	0.0246	0.00100	0.0232	0	106	60	135
Dibromomethane	0.0239	0.00100	0.0232	0	103	75	125
Dichlorodifluoromethane	0.0237	0.00100	0.0232	0	102	30	155
Ethylbenzene	0.0242	0.00100	0.0232	0	105	75	125
Hexachlorobutadiene	0.0222	0.00300	0.0232	0	95.6	50	140
Iodomethane	0.0223	0.0150	0.0232	0	96.3	50	150
Isopropylbenzene	0.0250	0.00100	0.0232	0	108	75	125
m,p-Xylene	0.0491	0.00200	0.0464	0	106	75	130
Methyl tert-butyl ether	0.0235	0.00100	0.0232	0	101	65	125
Methylene chloride	0.0238	0.00250	0.0232	0	102	55	140
n-Butylbenzene	0.0238	0.00100	0.0232	0	103	70	135
n-Propylbenzene	0.0241	0.00100	0.0232	0	104	70	130
Naphthalene	0.0209	0.0150	0.0232	0	90.1	55	138
o-Xylene	0.0247	0.00100	0.0232	0	106	80	120
p-Isopropyltoluene	0.0255	0.00100	0.0232	0	110	75	130
sec-Butylbenzene	0.0247	0.00100	0.0232	0	106	70	125
Styrene	0.0250	0.00100	0.0232	0	108	65	135
tert-Butylbenzene	0.0243	0.00100	0.0232	0	105	70	130
Tetrachloroethene	0.0237	0.00200	0.0232	0	102	45	150
Toluene	0.0237	0.00200	0.0232	0	102	75	120
trans-1,2-Dichloroethene	0.0237	0.00100	0.0232	0	102	60	140
trans-1,3-Dichloropropene	0.0250	0.00100	0.0232	0	108	55	140
Trichloroethene	0.0233	0.00200	0.0232	0	101	70	125
Trichlorofluoromethane	0.0234	0.00100	0.0232	0	101	60	145
Vinyl chloride	0.0238	0.00100	0.0232	0	102	50	145
Surr: 1,2-Dichloroethane-d4	197		200.0		98.3	70	120
Surr: 4-Bromofluorobenzene	193		200.0		96.5	75	120
Surr: Dibromofluoromethane	199		200.0		99.5	85	115
Surr: Toluene-d8	200		200.0		100	85	120

Sample ID:	MB-39254	**Batch ID:**	39254	**TestNo:**	SW8260B	**Units:**	mg/L
SampType:	MBLK	**Run ID:**	GCMS5_100128A	**Analysis Date:**	01/28/10 12:25 PM	**Prep Date:**	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00100								
1,1,1-Trichloroethane	ND	0.00100								
1,1,2,2-Tetrachloroethane	ND	0.00100								
1,1,2-Trichloroethane	ND	0.00100								
1,1-Dichloroethane	ND	0.00100								
1,1-Dichloroethene	ND	0.00100								
1,1-Dichloropropene	ND	0.00100								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00100								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.0100								
1,2-Dibromoethane	ND	0.00100								
1,2-Dichlorobenzene	ND	0.00100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

1,2-Dichloroethane	ND	0.00100
1,2-Dichloropropane	ND	0.00100
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00100
1,3-Dichloropropane	ND	0.00100
1,4-Dichloro-2-butene	ND	0.00200
1,4-Dichlorobenzene	ND	0.00100
2,2-Dichloropropane	ND	0.00100
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00100
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00100
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0150
Acrylonitrile	ND	0.00300
Benzene	ND	0.00100
Bromobenzene	ND	0.00100
Bromochloromethane	ND	0.00100
Bromodichloromethane	ND	0.00100
Bromoform	ND	0.00100
Bromomethane	ND	0.00100
Carbon disulfide	ND	0.0150
Carbon tetrachloride	ND	0.00100
Chlorobenzene	ND	0.00100
Chloroethane	ND	0.00100
Chloroform	ND	0.00100
Chloromethane	ND	0.00100
cis-1,2-Dichloroethene	ND	0.00100
cis-1,3-Dichloropropene	ND	0.00100
Dibromochloromethane	ND	0.00100
Dibromomethane	ND	0.00100
Dichlorodifluoromethane	ND	0.00100
Ethylbenzene	ND	0.00100
Hexachlorobutadiene	ND	0.00300
Iodomethane	ND	0.0150
Isopropylbenzene	ND	0.00100
m,p-Xylene	ND	0.00200
Methyl tert-butyl ether	ND	0.00100
Methylene chloride	ND	0.00250
n-Butylbenzene	ND	0.00100
n-Propylbenzene	ND	0.00100
Naphthalene	ND	0.0150
o-Xylene	ND	0.00100
p-Isopropyltoluene	ND	0.00100
sec-Butylbenzene	ND	0.00100
Styrene	ND	0.00100

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

tert-Butylbenzene	ND	0.00100				
Tetrachloroethene	ND	0.00200				
Toluene	ND	0.00200				
trans-1,2-Dichloroethene	ND	0.00100				
trans-1,3-Dichloropropene	ND	0.00100				
Trichloroethene	ND	0.00200				
Trichlorofluoromethane	ND	0.00100				
Vinyl chloride	ND	0.00100				
Surr: 1,2-Dichloroethane-d4	200		200.0	100	70	120
Surr: 4-Bromofluorobenzene	211		200.0	106	75	120
Surr: Dibromofluoromethane	201		200.0	101	85	115
Surr: Toluene-d8	198		200.0	98.8	85	120

Sample ID:	1001182-01AMS	**Batch ID:**	39254	**TestNo:**		SW8260B		**Units:**		mg/L	
SampType:	MS	**Run ID:**	GCMS5_100128A	**Analysis Date:**		01/28/10 08:03 PM		**Prep Date:**		01/28/10	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
1,1,1,2-Tetrachloroethane		0.0251	0.00100	0.0232	0	108	80	130			
1,1,1-Trichloroethane		0.0273	0.00100	0.0232	0	118	65	130			
1,1,2,2-Tetrachloroethane		0.0225	0.00100	0.0232	0	97.0	65	130			
1,1,2-Trichloroethane		0.0246	0.00100	0.0232	0	106	75	125			
1,1-Dichloroethane		0.0242	0.00100	0.0232	0	104	70	135			
1,1-Dichloroethene		0.0225	0.00100	0.0232	0	97.0	70	130			
1,1-Dichloropropene		0.0247	0.00100	0.0232	0	107	75	130			
1,2,3-Trichlorobenzene		0.0202	0.00500	0.0232	0	87.2	55	140			
1,2,3-Trichloropropane		0.0237	0.00100	0.0232	0	102	75	125			
1,2,4-Trichlorobenzene		0.0203	0.00500	0.0232	0	87.4	65	135			
1,2,4-Trimethylbenzene		0.0235	0.00500	0.0232	0	101	75	130			
1,2-Dibromo-3-chloropropane		0.0217	0.0100	0.0232	0	93.7	50	130			
1,2-Dibromoethane		0.0230	0.00100	0.0232	0	99.1	80	120			
1,2-Dichlorobenzene		0.0231	0.00100	0.0232	0	99.4	70	120			
1,2-Dichloroethane		0.0279	0.00100	0.0232	0	120	70	130			
1,2-Dichloropropane		0.0231	0.00100	0.0232	0	99.7	75	125			
1,3,5-Trimethylbenzene		0.0233	0.00500	0.0232	0	100	75	130			
1,3-Dichlorobenzene		0.0231	0.00100	0.0232	0	99.7	75	125			
1,3-Dichloropropane		0.0235	0.00100	0.0232	0	101	75	125			
1,4-Dichloro-2-butene		0.0242	0.00200	0.0232	0	104	50	150			
1,4-Dichlorobenzene		0.0226	0.00100	0.0232	0	97.5	75	125			
2,2-Dichloropropane		0.0258	0.00100	0.0232	0	111	70	135			
2-Butanone		0.0236	0.0150	0.0232	0	102	30	150			
2-Chloroethylvinylether		0	0.0150	0.0232	0	0	50	150			S
2-Chlorotoluene		0.0233	0.00100	0.0232	0	100	75	125			
2-Hexanone		0.0213	0.0150	0.0232	0	91.8	55	130			
4-Chlorotoluene		0.0240	0.00100	0.0232	0	103	75	130			
4-Methyl-2-pentanone		0.0229	0.0150	0.0232	0	98.7	60	135			
Acetone		0.0270	0.0150	0.0232	0	116	40	140			
Acrylonitrile		0.0456	0.00300	0.0464	0	98.2	50	150			
Benzene		0.0235	0.00100	0.0232	0	101	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Bromobenzene	0.0220	0.00100	0.0232	0	94.7	75	125	
Bromochloromethane	0.0243	0.00100	0.0232	0	105	65	130	
Bromodichloromethane	0.0264	0.00100	0.0232	0	114	75	120	
Bromoform	0.0249	0.00100	0.0232	0	107	70	130	
Bromomethane	0.0204	0.00100	0.0232	0	87.8	30	145	
Carbon disulfide	0.0218	0.0150	0.0232	0	93.9	35	160	
Carbon tetrachloride	0.0278	0.00100	0.0232	0	120	65	140	
Chlorobenzene	0.0230	0.00100	0.0232	0	99.0	80	120	
Chloroethane	0.0237	0.00100	0.0232	0	102	60	135	
Chloroform	0.0257	0.00100	0.0232	0	111	65	135	
Chloromethane	0.0241	0.00100	0.0232	0	104	40	125	
cis-1,2-Dichloroethene	0.0227	0.00100	0.0232	0	97.8	70	125	
cis-1,3-Dichloropropene	0.0232	0.00100	0.0232	0	99.9	70	130	
Dibromochloromethane	0.0250	0.00100	0.0232	0	108	60	135	
Dibromomethane	0.0255	0.00100	0.0232	0	110	75	125	
Dichlorodifluoromethane	0.0275	0.00100	0.0232	0	118	30	155	
Ethylbenzene	0.0230	0.00100	0.0232	0	99.3	75	125	
Hexachlorobutadiene	0.0211	0.00300	0.0232	0	90.8	50	140	
Iodomethane	0.0220	0.0150	0.0232	0	94.7	50	150	
Isopropylbenzene	0.0249	0.00100	0.0232	0	107	75	125	
m,p-Xylene	0.0477	0.00200	0.0464	0	103	75	130	
Methyl tert-butyl ether	0.0236	0.00100	0.0232	0	102	65	125	
Methylene chloride	0.0227	0.00250	0.0232	0	97.7	55	140	
n-Butylbenzene	0.0220	0.00100	0.0232	0	95.0	70	135	
n-Propylbenzene	0.0230	0.00100	0.0232	0	99.2	70	130	
Naphthalene	0.0172	0.0150	0.0232	0	74.1	55	138	
o-Xylene	0.0237	0.00100	0.0232	0	102	80	120	
p-Isopropyltoluene	0.0245	0.00100	0.0232	0	105	75	130	
sec-Butylbenzene	0.0243	0.00100	0.0232	0	105	70	125	
Styrene	0.0227	0.00100	0.0232	0	97.8	65	135	
tert-Butylbenzene	0.0238	0.00100	0.0232	0	102	70	130	
Tetrachloroethene	0.0226	0.00200	0.0232	0	97.4	45	150	
Toluene	0.0236	0.00200	0.0232	0	102	75	120	
trans-1,2-Dichloroethene	0.0226	0.00100	0.0232	0	97.2	60	140	
trans-1,3-Dichloropropene	0.0252	0.00100	0.0232	0	109	55	140	
Trichloroethene	0.0237	0.00200	0.0232	0	102	70	125	
Trichlorofluoromethane	0.0288	0.00100	0.0232	0	124	60	145	
Vinyl chloride	0.0235	0.00100	0.0232	0	101	50	145	
Surr: 1,2-Dichloroethane-d4	242		200.0		121	70	120	S
Surr: 4-Bromofluorobenzene	200		200.0		99.8	75	120	
Surr: Dibromofluoromethane	214		200.0		107	85	115	
Surr: Toluene-d8	195		200.0		97.4	85	120	

Sample ID:	1001182-01AMSD	**Batch ID:**	39254	**TestNo:**	SW8260B	**Units:**	mg/L
SampType:	MSD	**Run ID:**	GCMS5_100128A	**Analysis Date:**	01/28/10 08:27 PM	**Prep Date:**	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0248	0.00100	0.0232	0	107	80	130	1.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

1,1,1-Trichloroethane	0.0271	0.00100	0.0232	0	117	65	130	0.919	20	
1,1,2,2-Tetrachloroethane	0.0237	0.00100	0.0232	0	102	65	130	5.07	20	
1,1,2-Trichloroethane	0.0242	0.00100	0.0232	0	104	75	125	1.52	20	
1,1-Dichloroethane	0.0235	0.00100	0.0232	0	101	70	135	2.85	20	
1,1-Dichloroethene	0.0218	0.00100	0.0232	0	94.2	70	130	2.93	20	
1,1-Dichloropropene	0.0242	0.00100	0.0232	0	104	75	130	1.92	20	
1,2,3-Trichlorobenzene	0.0223	0.00500	0.0232	0	96.1	55	140	9.64	20	
1,2,3-Trichloropropane	0.0258	0.00100	0.0232	0	111	75	125	8.39	20	
1,2,4-Trichlorobenzene	0.0214	0.00500	0.0232	0	92.1	65	135	5.24	20	
1,2,4-Trimethylbenzene	0.0233	0.00500	0.0232	0	100	75	130	1.02	20	
1,2-Dibromo-3-chloropropane	0.0239	0.0100	0.0232	0	103	50	130	9.39	20	
1,2-Dibromoethane	0.0232	0.00100	0.0232	0	100	80	120	1.08	20	
1,2-Dichlorobenzene	0.0237	0.00100	0.0232	0	102	70	120	2.61	20	
1,2-Dichloroethane	0.0275	0.00100	0.0232	0	119	70	130	1.34	20	
1,2-Dichloropropane	0.0226	0.00100	0.0232	0	97.3	75	125	2.36	20	
1,3,5-Trimethylbenzene	0.0232	0.00500	0.0232	0	100	75	130	0.301	20	
1,3-Dichlorobenzene	0.0231	0.00100	0.0232	0	99.4	75	125	0.260	20	
1,3-Dichloropropane	0.0237	0.00100	0.0232	0	102	75	125	1.19	20	
1,4-Dichloro-2-butene	0.0259	0.00200	0.0232	0	112	50	150	6.71	20	
1,4-Dichlorobenzene	0.0229	0.00100	0.0232	0	98.8	75	125	1.27	20	
2,2-Dichloropropane	0.0248	0.00100	0.0232	0	107	70	135	3.68	20	
2-Butanone	0.0256	0.0150	0.0232	0	110	30	150	8.37	20	
2-Chloroethylvinylether	0	0.0150	0.0232	0	0	50	150	0	20	S
2-Chlorotoluene	0.0236	0.00100	0.0232	0	102	75	125	1.28	20	
2-Hexanone	0.0239	0.0150	0.0232	0	103	55	130	11.6	20	
4-Chlorotoluene	0.0237	0.00100	0.0232	0	102	75	130	1.09	20	
4-Methyl-2-pentanone	0.0249	0.0150	0.0232	0	107	60	135	8.29	20	
Acetone	0.0291	0.0150	0.0232	0	125	40	140	7.57	20	
Acrylonitrile	0.0496	0.00300	0.0464	0	107	50	150	8.53	20	
Benzene	0.0227	0.00100	0.0232	0	97.8	80	120	3.42	20	
Bromobenzene	0.0219	0.00100	0.0232	0	94.4	75	125	0.410	20	
Bromochloromethane	0.0237	0.00100	0.0232	0	102	65	130	2.75	20	
Bromodichloromethane	0.0263	0.00100	0.0232	0	113	75	120	0.456	20	
Bromoform	0.0253	0.00100	0.0232	0	109	70	130	1.63	20	
Bromomethane	0.0233	0.00100	0.0232	0	100	30	145	13.5	20	
Carbon disulfide	0.0214	0.0150	0.0232	0	92.4	35	160	1.62	20	
Carbon tetrachloride	0.0273	0.00100	0.0232	0	118	65	140	1.60	20	
Chlorobenzene	0.0229	0.00100	0.0232	0	98.8	80	120	0.174	20	
Chloroethane	0.0240	0.00100	0.0232	0	103	60	135	1.51	20	
Chloroform	0.0255	0.00100	0.0232	0	110	65	135	0.859	20	
Chloromethane	0.0244	0.00100	0.0232	0	105	40	125	1.32	20	
cis-1,2-Dichloroethene	0.0230	0.00100	0.0232	0	99.0	70	125	1.23	20	
cis-1,3-Dichloropropene	0.0230	0.00100	0.0232	0	99.2	70	130	0.649	20	
Dibromochloromethane	0.0244	0.00100	0.0232	0	105	60	135	2.15	20	
Dibromomethane	0.0256	0.00100	0.0232	0	110	75	125	0.274	20	
Dichlorodifluoromethane	0.0275	0.00100	0.0232	0	119	30	155	0.145	20	
Ethylbenzene	0.0231	0.00100	0.0232	0	99.7	75	125	0.347	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Hexachlorobutadiene	0.0212	0.00300	0.0232	0	91.3	50	140	0.473	20
Iodomethane	0.0229	0.0150	0.0232	0	98.6	50	150	4.06	20
Isopropylbenzene	0.0243	0.00100	0.0232	0	105	75	125	2.44	20
m,p-Xylene	0.0465	0.00200	0.0464	0	100	75	130	2.57	20
Methyl tert-butyl ether	0.0234	0.00100	0.0232	0	101	65	125	0.852	20
Methylene chloride	0.0221	0.00250	0.0232	0	95.3	55	140	2.55	20
n-Butylbenzene	0.0224	0.00100	0.0232	0	96.3	70	135	1.35	20
n-Propylbenzene	0.0228	0.00100	0.0232	0	98.2	70	130	1.00	20
Naphthalene	0.0198	0.0150	0.0232	0	85.4	55	138	14.3	20
o-Xylene	0.0232	0.00100	0.0232	0	99.9	80	120	2.05	20
p-Isopropyltoluene	0.0244	0.00100	0.0232	0	105	75	130	0.164	20
sec-Butylbenzene	0.0238	0.00100	0.0232	0	102	70	125	2.25	20
Styrene	0.0222	0.00100	0.0232	0	95.7	65	135	2.14	20
tert-Butylbenzene	0.0235	0.00100	0.0232	0	101	70	130	1.27	20
Tetrachloroethene	0.0224	0.00200	0.0232	0	96.8	45	150	0.666	20
Toluene	0.0232	0.00200	0.0232	0	100	75	120	1.54	20
trans-1,2-Dichloroethene	0.0219	0.00100	0.0232	0	94.5	60	140	2.83	20
trans-1,3-Dichloropropene	0.0253	0.00100	0.0232	0	109	55	140	0.238	20
Trichloroethene	0.0233	0.00200	0.0232	0	100	70	125	1.66	20
Trichlorofluoromethane	0.0278	0.00100	0.0232	0	120	60	145	3.64	20
Vinyl chloride	0.0249	0.00100	0.0232	0	107	50	145	5.53	20
Surr: 1,2-Dichloroethane-d4	239		200.0		120	70	120	0	0
Surr: 4-Bromofluorobenzene	201		200.0		101	75	120	0	0
Surr: Dibromofluoromethane	213		200.0		106	85	115	0	0
Surr: Toluene-d8	195		200.0		97.3	85	120	0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Sample ID:	ICV-100128	Batch ID:	R47592	TestNo:	SW8260B	Units:	mg/L
SampType:	ICV	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 I0:44 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0461	0.00100	0.0464	0	99.4	80	120			
1,1,1-Trichloroethane	0.0450	0.00100	0.0464	0	97.0	80	120			
1,1,2,2-Tetrachloroethane	0.0453	0.00100	0.0464	0	97.7	80	120			
1,1,2-Trichloroethane	0.0444	0.00100	0.0464	0	95.6	80	120			
1,1-Dichloroethane	0.0436	0.00100	0.0464	0	94.0	80	120			
1,1-Dichloroethene	0.0440	0.00100	0.0464	0	94.8	80	120			
1,1-Dichloropropene	0.0442	0.00100	0.0464	0	95.3	80	120			
1,2,3-Trichlorobenzene	0.0456	0.00500	0.0464	0	98.3	80	120			
1,2,3-Trichloropropane	0.0463	0.00100	0.0464	0	99.8	80	120			
1,2,4-Trichlorobenzene	0.0464	0.00500	0.0464	0	100	80	120			
1,2,4-Trimethylbenzene	0.0453	0.00500	0.0464	0	97.5	80	120			
1,2-Dibromo-3-chloropropane	0.0420	0.0100	0.0464	0	90.4	80	120			
1,2-Dibromoethane	0.0457	0.00100	0.0464	0	98.5	80	120			
1,2-Dichlorobenzene	0.0451	0.00100	0.0464	0	97.2	80	120			
1,2-Dichloroethane	0.0432	0.00100	0.0464	0	93.0	80	120			
1,2-Dichloropropane	0.0442	0.00100	0.0464	0	95.2	80	120			
1,3,5-Trimethylbenzene	0.0457	0.00500	0.0464	0	98.4	80	120			
1,3-Dichlorobenzene	0.0456	0.00100	0.0464	0	98.4	80	120			
1,3-Dichloropropane	0.0438	0.00100	0.0464	0	94.3	80	120			
1,4-Dichloro-2-butene	0.0506	0.00200	0.0464	0	109	80	120			
1,4-Dichlorobenzene	0.0438	0.00100	0.0464	0	94.4	80	120			
2,2-Dichloropropane	0.0474	0.00100	0.0464	0	102	80	120			
2-Butanone	0.0448	0.0150	0.0464	0	96.6	80	120			
2-Chloroethylvinylether	0.0462	0.0150	0.0464	0	99.7	80	120			
2-Chlorotoluene	0.0460	0.00100	0.0464	0	99.1	80	120			
2-Hexanone	0.0478	0.0150	0.0464	0	103	80	120			
4-Chlorotoluene	0.0465	0.00100	0.0464	0	100	80	120			
4-Methyl-2-pentanone	0.0465	0.0150	0.0464	0	100	80	120			
Acetone	0.0451	0.0150	0.0464	0	97.2	80	120			
Acrylonitrile	0.0918	0.00300	0.0928	0	98.9	60	140			
Benzene	0.0438	0.00100	0.0464	0	94.4	80	120			
Bromobenzene	0.0456	0.00100	0.0464	0	98.3	80	120			
Bromochloromethane	0.0439	0.00100	0.0464	0	94.7	80	120			
Bromodichloromethane	0.0458	0.00100	0.0464	0	98.7	80	120			
Bromoform	0.0487	0.00100	0.0464	0	105	80	120			
Bromomethane	0.0374	0.00100	0.0464	0	80.5	80	120			
Carbon disulfide	0.0422	0.0150	0.0464	0	90.9	80	120			
Carbon tetrachloride	0.0461	0.00100	0.0464	0	99.4	80	120			
Chlorobenzene	0.0433	0.00100	0.0464	0	93.3	80	120			
Chloroethane	0.0406	0.00100	0.0464	0	87.5	80	120			
Chloroform	0.0437	0.00100	0.0464	0	94.2	80	120			
Chloromethane	0.0413	0.00100	0.0464	0	89.0	80	120			
cis-1,2-Dichloroethene	0.0448	0.00100	0.0464	0	96.6	80	120			
cis-1,3-Dichloropropene	0.0473	0.00100	0.0464	0	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Dibromochloromethane	0.0479	0.00100	0.0464	0	103	80	120
Dibromomethane	0.0446	0.00100	0.0464	0	96.1	80	120
Dichlorodifluoromethane	0.0392	0.00100	0.0464	0	84.4	80	120
Ethylbenzene	0.0440	0.00100	0.0464	0	94.9	80	120
Hexachlorobutadiene	0.0438	0.00300	0.0464	0	94.3	80	120
Iodomethane	0.0387	0.0150	0.0464	0	83.3	80	120
Isopropylbenzene	0.0474	0.00100	0.0464	0	102	80	120
m,p-Xylene	0.0897	0.00200	0.0928	0	96.7	80	120
Methyl tert-butyl ether	0.0446	0.00100	0.0464	0	96.2	80	120
Methylene chloride	0.0449	0.00250	0.0464	0	96.8	80	120
n-Butylbenzene	0.0451	0.00100	0.0464	0	97.1	80	120
n-Propylbenzene	0.0465	0.00100	0.0464	0	100	80	120
Naphthalene	0.0422	0.0150	0.0464	0	91.0	80	120
o-Xylene	0.0465	0.00100	0.0464	0	100	80	120
p-Isopropyltoluene	0.0481	0.00100	0.0464	0	104	80	120
sec-Butylbenzene	0.0473	0.00100	0.0464	0	102	80	120
Styrene	0.0470	0.00100	0.0464	0	101	80	120
tert-Butylbenzene	0.0464	0.00100	0.0464	0	100	80	120
Tetrachloroethene	0.0438	0.00200	0.0464	0	94.5	80	120
Toluene	0.0439	0.00200	0.0464	0	94.7	80	120
trans-1,2-Dichloroethene	0.0439	0.00100	0.0464	0	94.6	80	120
trans-1,3-Dichloropropene	0.0477	0.00100	0.0464	0	103	80	120
Trichloroethene	0.0437	0.00200	0.0464	0	94.1	80	120
Trichlorofluoromethane	0.0436	0.00100	0.0464	0	93.9	80	120
Vinyl chloride	0.0406	0.00100	0.0464	0	87.6	80	120
Surr: 1,2-Dichloroethane-d4	197		200.0		98.7	70	120
Surr: 4-Bromofluorobenzene	204		200.0		102	75	120
Surr: Dibromofluoromethane	200		200.0		99.9	85	115
Surr: Toluene-d8	197		200.0		98.3	85	120

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125A

Sample ID:	1001149-13A-DUP	**Batch ID:**	39171	**TestNo:**	D2216	**Units:**	WT%
SampType:	DUP	**Run ID:**	PMOIST_100125A	**Analysis Date:**	01/25/10 01:30 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture	4.30	0	0	4.232				1.70	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125B

Sample ID:	1001149-30C-DUP	Batch ID:	39183	TestNo:	D2216	Units:	WT%
SampType:	DUP	Run ID:	PMOIST_100125B	Analysis Date:	01/25/10 03:15 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture	2.63	0	0	2.448				7.21	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125C

Sample ID:	1001149-51C-DUP	**Batch ID:**	39186	**TestNo:**	D2216	**Units:**	WT%
SampType:	DUP	**Run ID:**	PMOIST_100125C	**Analysis Date:**	01/25/10 04:30 PM	**Prep Date:**	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture	3.79	0	0	3.737				1.31	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: WC_100128D

Sample ID:	MB-39261	**Batch ID:**	39261	**TestNo:**	SW1010	**Units:**	°C
SampType:	MBLK	**Run ID:**	WC_100128D	**Analysis Date:**	01/28/10 01:00 PM	**Prep Date:**	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability	>100	0								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: WC_100128D

Sample ID:	ICV-100128	**Batch ID:**	IGN_S-1/28/10	**TestNo:**		SW1010		**Units:**	°C		
SampType:	ICV	**Run ID:**	WC_100128D	**Analysis Date:**		01/28/10 01:00 PM		**Prep Date:**	01/28/10		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Ignitability		60	0	66.00	0	90.9	90	110			

Sample ID:	CCV-100128	**Batch ID:**	IGN_S-1/28/10	**TestNo:**		SW1010		**Units:**	°C		
SampType:	CCV	**Run ID:**	WC_100128D	**Analysis Date:**		01/28/10 01:00 PM		**Prep Date:**	01/28/10		
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Ignitability		60	0	66.00	0	90.9	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

ARCADIS

WHITE SANDS MISSILE RANGE – NEW MEXICO
ELECTRONIC VALIDATION REVIEW REPORT
SDG: 1001149
Stallion Range January 2010

Analytical data was evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999); "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (July 2002), site-specific requirements defined in *White Sands Missile Range Site-Wide Quality Assurance Project Plan* (ARCADIS, 2009), and any additional evaluation criteria set forth in the area specific Work Plan. The validation presented in this review was performed at the White Sands defined Level I.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
  - Method blanks,
  - Trip blanks,
  - Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manually review was performed on the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and

Reviewed data was generated by DHL Analytical. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in this SDG are considered usable as reported.

ARCADIS

WHITE SANDS MISSILE RANGE – NEW MEXICO
ELECTRONIC VALIDATION REVIEW REPORT
SDG: 1001149
Stallion Range January 2010

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

DQM RUN BY:	Rachelle Borne	04/28/10
REVIEW PERFORMED BY:	Rachelle Borne	04/28/10
SIGNATURE:	Rachelle Borne	04/28/10
PEER REVIEW:	Dennis Capria	4/29/10

ARCADIS

WHITE SANDS MISSILE RANGE – NEW MEXICO
ELECTRONIC VALIDATION REVIEW REPORT
SDG: 1001149
Stallion Range January 2010

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
1001149	STRC-0162-BG-001-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-BG-001-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-BG-001-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-BG-001-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-BG-002-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-BG-002-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-BG-002-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-BG-002-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-BG-003-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-BG-003-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-BG-003-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-BG-003-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-BG-103-(14.0-15.0)	1/20/2010	STRC-0162-BG-003-(14.0-15.0)
1001149	STRC-0162-FB-001-0110	1/20/2010	
1001149	STRC-0162-RB-001-0110	1/20/2010	
1001149	STRC-0162-SB-001-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-001-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-001-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-001-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-002-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-002-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-002-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-002-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-003-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-003-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-003-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-003-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-004-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-004-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-004-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-004-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-005-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-005-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-005-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-005-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-006-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-006-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-006-(4.0-5.0)	1/20/2010	

ARCADIS

WHITE SANDS MISSILE RANGE – NEW MEXICO
ELECTRONIC VALIDATION REVIEW REPORT
SDG: 1001149
Stallion Range January 2010

SDG	Sample ID	Sample Date	Parent Sample
1001149	STRC-0162-SB-006-(8.0-9.0)	1/20/2010	
1001149	STRC-0162-SB-007-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-007-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-007-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-007-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-008-(0.5-1.0)	1/20/2010	
1001149	STRC-0162-SB-008-(14.0-15.0)	1/20/2010	
1001149	STRC-0162-SB-008-(4.0-5.0)	1/20/2010	
1001149	STRC-0162-SB-008-(9.0-10.0)	1/20/2010	
1001149	STRC-0162-SB-104-(0.5-1.0)	1/20/2010	STRC-0162-SB-004-(0.5-1.0)
1001149	STRC-0162-SB-106-(14.0-15.0)	1/20/2010	STRC-0162-SB-006-(14.0-15.0)
1001149	STRC-0162-SB-108-(14.0-15.0)	1/20/2010	STRC-0162-SB-008-(14.0-15.0)
1001149	STRC-0162-TB-001-0110	1/20/2010	
1001149	STRC-0162-TB-002-0110	1/20/2010	
1001149	STRC-0162-TB-003-0110	1/21/2010	
1001149	STRC-0162-TB-004-0110	1/20/2010	

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	

QA – quality assurance

The analytical report was complete with the following exceptions or notations.

Comments:

All soils were reported on a dry weight basis.

Sample location STRC-0162-TB-005-0110 was listed on the COC, but was not received by the laboratory.

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment/Field blanks		DQM	DQM	
C. Trip blanks	DQM		DQM	
4. Surrogate spike recoveries		DQM	DQM	
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	NA			
C. LCS/LCSD RPD	NA			
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)		DQM		DQM
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8021B.

Note: The recovery of the compound acetone was above the control limit in ICVs100126 and 100125. All detections of acetone in the associated field samples were qualified as estimated.

3B. The compound toluene was detected in the rinsate and field blank. All field samples were non-detect for toluene; therefore, qualification of the data is not warranted.

4. One surrogate recovery was above the control limit in sample locations STRC-0162-SB-006-(4.0-5.0) and STRC-0162-SB-006-(8.0-9.0). Both field samples were non-detect for all VOCs; therefore, qualification of the data is not warranted.

6. Sample location STRC-0162-SB-002-(14.0-15.0) was used as the MS/MSD for batch 39180. The recoveries and RPDs were acceptable.

Batch QC was used as the MS/MSD for batch 39254. The recovery of 2-chloroethylvinylether was less than ten percent in the MS and the MSD. The sample was not included in this SDG; therefore, qualification of the data is not warranted.

Sample location STRC-0162-SB-008-(0.5-1.0) was used as the MS/MSD for batch 39179. Several recoveries and RPDs were outside the control limit. The parent sample was qualified as estimated for these compounds when applicable. See the attached qualification summary for details of the qualifications.

7. Sample location STRC-0162-SB-108-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-008-(14.0-15.0). The RPDs were acceptable at non-detect.

   Sample location STRC-0162-SB-104-(0.5-1.0) was collected as a field duplicate of STRC-0162-SB-0040(0.5-1.0). The RPDs were acceptable at non-detect.

   Sample location STRC-0162-SB-106-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-006-(14.0-15.0). The RPDs were acceptable at less than 70%.

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	DQM		DQM	
4. Surrogate spike recoveries		DQM	DQM	
5. Laboratory control sample (LCS) A. LCS %R		DQM	DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8270C.

3A. The compound naphthalene was detected in the method blank for batch 39208. This compound was not detected in the associated field samples; therefore, qualification of the data is not warranted.

4. One surrogate recovery was below the control limit in sample locations STRC-0162-SB-001-(0.5-1.0) and STRC-0162-SB-001-(9.0-10.0). Only one surrogate was outside the control limit; therefore, qualification of the data is not warranted.

5. The recovery of the compound dimethylphenethylamine was below the control limit in the LCS for batch 39319. The associated field samples were qualified as estimated for this compound.

6. Sample location STRC-0162-SB-001-(9.0-10.0) was used as the MS/MSD. The recoveries of the compounds 2-naphthylamine, 2-picoline and dibenz(a,j)acridine were below the control limit in the MS and the MSD. The parent sample is qualified as estimated for these compounds. The recoveries of the compounds benzidine and dimethylphenethylamine were less than ten percent in the MS and the MSD. The parent sample is qualified as rejected for these compounds.

Sample location STRC-0162-SB-006-(8.0-9.0) was used as the MS/MSD for batch 39282. The recoveries of the compounds fluoranthene and pyrene were above the control limit in the MSD. The parent sample was non-detect for these compounds; therefore, qualification of the data is not warranted.

Sample location STRC-0162-SB-008-(4.0-5.0) was used as the MS/MSD for batch 39244. The recoveries and RPDs were acceptable.

7. Sample location STRC-0162-SB-108-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-008-(14.0-15.0). The RPDs were acceptable at non-detect.

   Sample location STRC-0162-SB-104-(0.5-1.0) was collected as a field duplicate of STRC-0162-SB-0040(0.5-1.0). The RPDs were acceptable at non-detect.

   Sample location STRC-0162-SB-106-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-006-(14.0-15.0). The RPDs were acceptable at non-detect.

TPH – GASOLINE RANGE ORGANICS (GRO)

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	DQM		DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method M8015V.

6. Sample locations STRC-0162-SB-003-(4.0-5.0) were used as MS/MSDs for batches 39240 and 39242. The recoveries and RPDs were acceptable.

7. Sample location STRC-0162-SB-108-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-008-(14.0-15.0). The RPD was acceptable at non-detect.

   Sample location STRC-0162-SB-104-(0.5-1.0) was collected as a field duplicate of STRC-0162-SB-0040(0.5-1.0). The RPDs were acceptable at non-detect.

   Sample location STRC-0162-SB-106-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-006-(14.0-15.0). The RPDs were acceptable at non-detect.

TPH – DIESEL RANGE ORGANICS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	DQM		DQM	
4. Surrogate spike recoveries		DQM		DQM
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	NA			
C. LCS/LCSD RPD	NA			
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method M8015D.

4. One surrogate recovery was below the control limit in sample locations SATRC-0162-SB-004-(0.5-1.0), STRC-0162-SB-005-(14.0-15.0), STRC-0162-SB-005-(9.0-10.0) and STRC-0162-RB-001-0110. The DRO results for these samples were qualified as estimated.

   One surrogate recovery was above the control limit in sample locations STRC-0162-SB-006-(0.5-1.0), STRC-0162-SB-006-(4.0-5.0) and STRC-0162-SB-006-(8.0-9.0). The DRO fraction was detected in all three samples; therefore, STRC-0162-SB-006-(0.5-1.0), STRC-0162-SB-006-(4.0-5.0) and STRC-0162-SB-006-(8.0-9.0) were qualified as estimated for the DRO fraction.

6. Sample location STRC-0162-SB-006-(8.0-9.0) was used as the MS/MSD for batch 39175. The sample concentration for DRO was greater than four times the spike value. No qualification is necessary.

   Sample location STRC-0162-SB-008-(0.5-1.0) was used as the MS/MSD for batch 39294. The recoveries and RPD were acceptable.

7. Sample location STRC-0162-SB-108-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-008-(14.0-15.0). The RPD was acceptable at non-detect.

   Sample location STRC-0162-SB-104-(0.5-1.0) was collected as a field duplicate of STRC-0162-SB-0040(0.5-1.0). The RPDs were acceptable at less than 70%.

   Sample location STRC-0162-SB-106-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-006-(14.0-15.0). The RPDs were acceptable at non-detect.

METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks		DQM	DQM	
4. Serial Dilutions		M		M
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)	DQM		DQM	
7. Post Digestion Spikes	M		M	
8. Field Duplicate precision (RPD)		DQM		DQM

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 7471A and 6020.

3B. The metals barium, chromium and lead were detected in the rinsate blank. The associated field samples were greater than five times the blank values for these metals; therefore, qualification of the data is not warranted.

4. Sample locations STRC-0162-RB-001-0110, STRC-0162-SB-005-(4.0-5.0) and STRC-0162-SB-001-((0.5-1.0) were used as serial dilutions for mercury. The %Ds were acceptable.

Sample location STRC-0162-SB-008-(0.5-1.0) was used as the serial dilution for batch 39207. The %D for chromium was above the control limit. The associated field samples were qualified as estimated for chromium.

Sample location STRC-0162-SB-005-(4.0-5.0) was used as the serial dilution for batch 39210. The %Ds for lead and selenium were above the control limit. The associated field samples were qualified as estimated for lead and selenium.

Sample location STRC-0162-SB-007-(4.0-5.0) was used as the serial dilution for batch 39273. The %D for selenium was above the control limit. The associated field samples were qualified as estimated for selenium.

6. Sample location STRC-0162-SB-005-(4.0-5.0) and STRC-0162-SB-001-((0.5-1.0) were used as MS/MSDs for mercury. The recoveries and RPDs were acceptable.

Sample location STRC-0162-SB-008-(0.5-1.0) was used as the MS/MSD for batch 39207. The recoveries and RPDs were acceptable.

Sample location STRC-0162-SB-005-(4.0-5.0) was used as the MS/MSD for batch 39210. The recovery of barium was below the control limit in the MS and the MSD. The associated field samples were qualified as estimated for barium.

Sample location STRC-0162-SB-007-(4.0-5.0) was used as the MS/MSD for batch 39273. The recoveries and RPDs were acceptable.

7. Sample locations STRC-0162-RB-001-0110, STRC-0162-SB-005-(4.0-5.0) and STRC-0162-SB-001-((0.5-1.0) were used as post digestion spikes for mercury. The recoveries were acceptable.

   Sample location STRC-0162-SB-008-(0.5-1.0) was used as the post digestion spike for batch 39207. The recoveries were acceptable.

   Sample location STRC-0162-SB-005-(4.0-5.0) was used as the post digestion spike for batch 39210. The recoveries were acceptable.

   Sample location STRC-0162-SB-007-(4.0-5.0) was used as the post digestion spike for batch 39210. The recoveries were acceptable.

8. Sample location STRC-0162-BG-103-(14.0-15.0) was collected as a field duplicate of STRC-0162-BG-003-(14.0-15.0). The RPDs were acceptable at less than 70%.

   Sample location STRC-0162-SB-108-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-008-(14.0-15.0). The RPDs were acceptable at less than 70%.

   Sample location STRC-0162-SB-104-(0.5-1.0) was collected as a field duplicate of STRC-0162-SB-0040(0.5-1.0). The RPD for lead was above the control limit. The parent and the duplicate were qualified as estimated for lead.

   Sample location STRC-0162-SB-106-(14.0-15.0) was collected as a field duplicate of STRC-0162-SB-006-(14.0-15.0). The RPDs were acceptable at less than 70%.

White Sands Missile Range
Qualification Summary
Stallion Range

SDG	Sample ID	Method	Analyte	Result	Units	Qualifier	Reason	Dilution
1001149	STRC-0162-BG-001-(0.5-1.0)	SW6020	Chromium	6.66	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-001-(14.0-15.0)	SW6020	Chromium	6.93	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-001-(4.0-5.0)	SW6020	Chromium	8.03	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-001-(9.0-10.0)	SW6020	Chromium	9.32	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-002-(0.5-1.0)	SW6020	Chromium	10.1	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-002-(14.0-15.0)	SW6020	Chromium	6.71	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-002-(4.0-5.0)	SW6020	Chromium	8.87	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-002-(9.0-10.0)	SW6020	Chromium	9.45	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-003-(0.5-1.0)	SW6020	Chromium	10.9	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-003-(14.0-15.0)	SW6020	Chromium	9.05	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-003-(4.0-5.0)	SW6020	Chromium	10.8	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-003-(9.0-10.0)	SW6020	Chromium	7.24	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-BG-103-(14.0-15.0)	SW6020	Chromium	9.02	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-RB-001-0110	M8015D	Diesel Range Organics	<0.100	mg/kg	UJ	Surrogate Recovery	1
1001149	STRC-0162-SB-001-(0.5-1.0)	SW6020	Selenium	2.17	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-001-(0.5-1.0)	SW8270C	a,a-Dimethylphenethylamine	<0.140	mg/kg	UJ	LCS Recovery	1
1001149	STRC-0162-SB-001-(14.0-15.0)	SW6020	Selenium	1.8	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-001-(4.0-5.0)	SW6020	Selenium	1.58	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-001-(9.0-10.0)	SW6020	Selenium	1.88	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8260B	Acetone	0.0169	mg/kg	J	ICV Recovery	1
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8270C	2-Methyl Pyridine	<0.143	mg/kg	UJ	MS/MSD Recovery	1
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8270C	a,a-Dimethylphenethylamine	<0.143	mg/kg	R	LCS Recovery and MS/MSD Recovery	1
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8270C	Dibenz(a,j)Acridine	<0.143	mg/kg	UJ	MS/MSD Recovery	1
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8270C	2-Naphthylamine	<0.143	mg/kg	UJ	MS/MSD Recovery	1
1001149	STRC-0162-SB-001-(9.0-10.0)	SW8270C	Benzidine	<0.712	mg/kg	R	MS/MSD Recovery	1
1001149	STRC-0162-SB-002-(0.5-1.0)	SW6020	Selenium	2.53	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-002-(14.0-15.0)	SW6020	Selenium	1.14	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-002-(4.0-5.0)	SW6020	Selenium	1.37	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-002-(9.0-10.0)	SW6020	Selenium	2.01	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(0.5-1.0)	SW6020	Lead	13.8	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(0.5-1.0)	SW6020	Barium	186	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-003-(0.5-1.0)	SW6020	Selenium	2.21	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(14.0-15.0)	SW6020	Lead	4.89	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(14.0-15.0)	SW6020	Barium	96	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-003-(14.0-15.0)	SW6020	Selenium	1.38	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(4.0-5.0)	SW6020	Selenium	1.47	mg/kg	J	Serial Dilution %D	5

White Sands Missile Range
Qualification Summary
Stallion Range

1001149	STRC-0162-SB-003-(4.0-5.0)	SW6020	Lead	4.78	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(4.0-5.0)	SW6020	Barium	91.5	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-003-(9.0-10.0)	SW6020	Selenium	1.61	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(9.0-10.0)	SW6020	Lead	5.8	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-003-(9.0-10.0)	SW6020	Barium	113	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-004-(0.5-1.0)	M8015D	Diesel Range Organics	7.58	mg/kg	J	Surrogate Recovery	1
1001149	STRC-0162-SB-004-(0.5-1.0)	SW6020	Selenium	2	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(0.5-1.0)	SW6020	Lead	17.4	mg/kg	J	Serial Dilution %D and FD RPD	5
1001149	STRC-0162-SB-004-(0.5-1.0)	SW6020	Barium	193	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-004-(14.0-15.0)	SW6020	Selenium	1.22	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(14.0-15.0)	SW6020	Lead	4.33	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(14.0-15.0)	SW6020	Barium	50.5	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-004-(4.0-5.0)	SW6020	Lead	4.04	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(4.0-5.0)	SW6020	Barium	68.9	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-004-(4.0-5.0)	SW6020	Selenium	1.05	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(9.0-10.0)	SW6020	Lead	3.64	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-004-(9.0-10.0)	SW6020	Barium	58.7	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-004-(9.0-10.0)	SW6020	Selenium	0.983	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(0.5-1.0)	SW6020	Lead	8.26	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(0.5-1.0)	SW6020	Barium	191	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-005-(0.5-1.0)	SW6020	Selenium	1.91	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(14.0-15.0)	M8015D	Diesel Range Organics	<10.1	mg/kg	UJ	Surrogate Recovery	1
1001149	STRC-0162-SB-005-(14.0-15.0)	SW6020	Barium	102	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-005-(14.0-15.0)	SW6020	Lead	6.08	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(14.0-15.0)	SW6020	Selenium	1.6	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(4.0-5.0)	SW6020	Selenium	1.2	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(4.0-5.0)	SW6020	Lead	4.22	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(4.0-5.0)	SW6020	Barium	106	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-005-(9.0-10.0)	M8015D	Diesel Range Organics	<9.61	mg/kg	UJ	Surrogate Recovery	1
1001149	STRC-0162-SB-005-(9.0-10.0)	SW6020	Lead	4.05	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-005-(9.0-10.0)	SW6020	Barium	92.8	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-005-(9.0-10.0)	SW6020	Selenium	1.21	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(0.5-1.0)	M8015D	Diesel Range Organics	778	mg/kg	J	Surrogate Recovery	2
1001149	STRC-0162-SB-006-(0.5-1.0)	SW6020	Lead	371	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(0.5-1.0)	SW6020	Barium	338	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-006-(0.5-1.0)	SW6020	Selenium	1.42	mg/kg	J	Serial Dilution %D	5

White Sands Missile Range
Qualification Summary
Stallion Range

1001149	STRC-0162-SB-006-(14.0-15.0)	SW6020	Selenium	1.24	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(14.0-15.0)	SW8260B	Acetone	0.0168	mg/kg	J	ICV Recovery	1
1001149	STRC-0162-SB-006-(4.0-5.0)	M8015D	Diesel Range Organics	1900	mg/kg	J	Surrogate Recovery	10
1001149	STRC-0162-SB-006-(4.0-5.0)	SW6020	Lead	35.5	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(4.0-5.0)	SW6020	Barium	161	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-006-(4.0-5.0)	SW6020	Selenium	1.26	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(8.0-9.0)	M8015D	Diesel Range Organics	1280	mg/kg	J	Surrogate Recovery	10
1001149	STRC-0162-SB-006-(8.0-9.0)	SW6020	Lead	10.2	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-006-(8.0-9.0)	SW6020	Barium	108	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-006-(8.0-9.0)	SW6020	Selenium	0.825	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-007-(0.5-1.0)	SW6020	Selenium	2.07	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-007-(14.0-15.0)	SW6020	Selenium	1.3	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-007-(4.0-5.0)	SW6020	Selenium	1.33	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-007-(9.0-10.0)	SW6020	Selenium	1.57	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-007-(9.0-10.0)	SW8260B	Acetone	0.0142	mg/kg	J	ICV Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW6020	Chromium	10.7	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Cymene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,2,3-Trichlorobenzene	<0.00487	mg/kg	J	MS/MSD Recovery and MS/MSD RPD	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Hexachloro-1,3-Butadiene	<0.00487	mg/kg	J	MS/MSD Recovery and MS/MSD RPD	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	o-Xylene	<0.00487	mg/kg	J	MS Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	2-Chlorotoluene	<0.00487	mg/kg	J	MS Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,2-Dichlorobenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	n-Propylbenzene	<0.00487	mg/kg	J	MS Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,2,4-Trimethylbenzene	<0.00487	mg/kg	J	MS Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Isopropylbenzene (Cumene)	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Acetone	<0.0487	mg/kg	J	MS/MSD RPD	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	tert-Butylbenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	2-Phenylbutane	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,2,4-Trichlorobenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,3,5-Trimethylbenzene	<0.00487	mg/kg	J	MS Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	m,p-Xylene (m-Xylene)	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	1,4-Dichlorobenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	n-Butylbenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	4-Chlorotoluene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Styrene (Monomer)	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	Ethylbenzene	<0.00487	mg/kg	J	MS Recovery	1

White Sands Missile Range
Qualification Summary
Stallion Range

SDG	Sample ID	Method	Analyte	Result	Units	Qualifier	Reason	Dilution
1001149	STRC-0162-SB-008-(0.5-1.0)	SW8260B	m-Dichlorobenzene	<0.00487	mg/kg	J	MS/MSD Recovery	1
1001149	STRC-0162-SB-008-(14.0-1S.0)	SW6020	Chromium	9.42	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-008-(4.0-5.0)	SW6020	Chromium	8.04	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-008-(9.0-10.0)	SW6020	Chromium	9.28	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-104-(0.5-1.0)	SW6020	Lead	7.92	mg/kg	J	Serial Dilution %D and FD RPD	5
1001149	STRC-0162-SB-104-(0.5-1.0)	SW6020	Barium	194	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-104-(0.5-1.0)	SW6020	Selenium	2.14	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-106-(14.0-15.0)	SW6020	Lead	4.29	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-106-(14.0-15.0)	SW6020	Barium	60.3	mg/kg	J	MS/MSD Recovery	5
1001149	STRC-0162-SB-106-(14.0-15.0)	SW6020	Selenium	1.41	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-106-(14.0-15.0)	SW8260B	Acetone	0.018	mg/kg	J	ICV Recovery	1
1001149	STRC-0162-SB-108-(14.0-15.0)	SW6020	Selenium	1.48	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-108-(14.0-15.0)	SW6020	Lead	5.98	mg/kg	J	Serial Dilution %D	5
1001149	STRC-0162-SB-108-(14.0-15.0)	SW6020	Barium	66.2	mg/kg	J	MS/MSD Recovery	5

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White Sands Missile Range-
Stallion Range FFTA RFI

Data Review

WHITE SANDS MISSLE RANGE, NEW MEXICO

VOCs, SVOCs, TPH-GRO/GRO, and Metals

SDG #1001149

Analyses Performed By:
DHL Analytical, Inc.
Round Rock, Texas

Report # 11772R
Review Level: Tier II
Project: GP08WSMR.00DM.OC110

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #1001149 for samples collected in association with the White Sands Stallion Range FFTA RFI. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOCs	PCB	MET	MISC
STRC-0162-SB-008-(0.5-1.0)	1001149-14	Soil	01/20/10		X	X		X	
STRC-0162-SB-008-(4.0-5.0)	1001149-15	Soil	01/20/10		X	X		X	
STRC-0162-SB-008-(9.0-10.0)	1001149-16	Soil	01/20/10		X	X		X	
STRC-0162-SB-008-(14.0-15.0)	1001149-17	Soil	01/20/10		X	X		X	
STRC-0162-SB-108-(14.0-15.0)	1001149-18	Soil	01/20/10		X	X		X	
STRC-0162-SB-003-(0.5-1.0)	1001149-20	Soil	01/20/10		X	X		X	
STRC-0162-SB-003-(4.0-5.0)	1001149-21	Soil	01/20/10		X	X		X	
STRC-0162-SB-003-(14.0-15.0)	1001149-22	Soil	01/20/10		X	X		X	
STRC-0162-SB-003-(9.0-10.0)	1001149-23	Soil	01/20/10		X	X		X	
STRC-0162-SB-104-(0.5-1.0)	1001149-24	Soil	01/20/10		X	X		X	
STRC-0162-TB-001-0110	1001149-52	Water	01/20/10		X				
STRC-0162-RB-001-0110	1001149-53	Water	01/20/10		X	X		X	
STRC-0162-FB-001-0110	1001149-54	Water	01/20/10		X				
STRC-0162-TB-004-0110	1001149-55	Water	01/20/10		X				

Note: To comply with the 20% validation requirement, only the samples listed above were validated.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B, 8270C, and 8015B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999/January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cool to 4°C±2°C; preserved to a pH of less than 2 s.u.
	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cool to 4°C±2°C

s.u. Standard units

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were were non-detect. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (B). No other qualification of the sample results was required.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
STRC-0162-SB-008-(0.5-1.0)	1,2,3-Trichlorobenzene	<LL but >10%	<LL but >10%
	1,2,4-Trichlorobenzene	<LL but >10%	<LL but >10%
	1,2,4-Trimethylbenzene	<LL but >10%	AC
	1,2-Dichlorobenzene	<LL but >10%	<LL but >10%
	1,3,5-Trimethylbenzene	<LL but >10%	AC
	1,3-Dichlorobenzene	<LL but >10%	<LL but >10%
	1,4-Dichlorobenzene	<LL but >10%	<LL but >10%
	2-Chlorotoluene	<LL but >10%	
	4-Chlorotoluene	<LL but >10%	<LL but >10%
	4-Isopropyltoluene	<LL but >10%	<LL but >10%
	Acrylonitrile	AC	>UL
	Ethylbenzene	<LL but >10%	AC
	Hexachlorobutadiene	<LL but >10%	<LL but >10%
	Isopropylbenzene	<LL but >10%	<LL but >10%
	m,p-Xylene	<LL but >10%	<LL but >10%
	n-Butylbenzene	<LL but >10%	<LL but >10%
	n-Propylbenzene	<LL but >10%	AC
	o-xylene	<LL but >10%	<LL but >10%
	sec-butylbenzene	<LL but >10%	<LL but >10%
	Styrene	<LL but >10%	<LL but >10%
	tert-Butylbenzene	<LL but >10%	<LL but >10%

AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
STRC-0162-SB-008-(0.5-1.0)	1,2,3-Trichlorobenzene
	Acetone
	Hexachlorobutadiene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
A. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SEMI-VOLATILE VOLATILE ORGANIC COMPOUND (SVOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were were non-detect. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (B). No other qualification of the sample results was required.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD performed on sample location STRC-0162-SB-008-(4.0-5.0) exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
D. Method blanks		X		X	
E. Rinsate blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
B. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

GASOLINE RANGE ORGANICS (GRO) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8015	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was performed on sample location STRC-0162-SB-003-(4.0-5.0). The recoveries and RPD were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LSCD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LSCD analysis exhibited recoveries within the control limits.

6. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows.

All identified compounds met the specified criteria.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR GRO

DRO; SW-846 8015	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate(MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

DIESEL RANGE ORGANICS (DRO) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8015	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was performed on sample location STRC-0162-SB-008-(0.5-1.0). The recoveries and RPD were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LSCD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

6. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows.

All identified compounds met the specified criteria.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR DRO

DRO; SW-846 8015	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate(MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6020 and 7471A. Data were reviewed in accordance with USEPA Contract Laboratory Program National Functional Guidelines of July 2002.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

  B The reported value was obtained from a reading less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).

- Quantitation (Q) Qualifiers

  E The reported value is estimated due to the presence of interference.

  N Spiked sample recovery is not within control limits.

  * Duplicate analysis is not within control limits.

- Validation Qualifiers

  J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

  UB Analyte considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

METALS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020	Water	180 days from collection to analysis	Cool to 4°C±2°C; preserved to a pH of less than 2.
SW-846 7471	Soil	28 days from collection to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (J). No other qualification of the sample results was required.

3. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory qualifier "N" will be removed.

All analytes associated with MS/MSD recoveries were within control limits with the exception of the following analyte present in the table below.

Sample Location	Analyte	MS Recovery	MSD Recovery
STRC-0162-SB-108-(14.0-15.0), STRC-0162-SB-003(0.5-1.0), STRC-0162-SB-003-(4.0-5.0), STRC-0162-SB-003-(14.0-15.0), STRC-0162-SB-003-(9.0-10.0), STRC-0162-SB-104-(0.5-1.0)	Barium	<LL, but >30%	<LL, but >30%

The criteria used to evaluate MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified. The qualifications are applied to all sample results associated with this SDG.

Control limit	Sample Result	Qualification
MS/MSD percent recovery 30% to 74%	Non-detect	UJ
	Detect	J
MS/MSD percent recovery <30%	Non-detect	R
	Detect	J
MS/MSD percent recovery >125%	Non-detect	No Action
	Detect	J

3.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the CRDL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the CRDL, a control limit of one times the CRDL is applied for water matrices and two times the CRDL for soil matrices.

A laboratory duplicate was not performed on a sample location associated with this SDG.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Field duplicate analysis was not performed on a sample location within this SDG.

5. Laboratory Control Sample Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS/LCSD analysis exhibited recoveries within the control limits.

6. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

All serial dilutions were within control limits, with the exception of the analytes presented in the following table. The sample locations associated with the deviant %D are also presented in the following table.

Sample Locations	Analytes	Serial Dilution (%D)
STRC-0162-SB-108-(14.0-15.0), STRC-0162-SB-003(0.5-1.0), STRC-0162-SB-003-(4.0-5.0), STRC-0162-SB-003-(14.0-15.0), STRC-0162-SB-003-(9.0-10.0), STRC-0162-SB-104-(0.5-1.0)	Lead	11.0%
	Selenium	18.8%
STRC-0162-SB-008-(0.5-1.0), STRC-0162-SB-008-(4.0-5.0), STRC-0162-SB-008-(9.0-10.0), STRC-0162-SB-008-(14.0-15.0)	Chromium	11.9%

The criteria used to evaluate the serial dilution are presented in the following table. In the case of a serial dilution deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

7. Furnace Analysis QC

No furnace analyses were performed on the samples.

8. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

9. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR METALS

METALS; SW-846 6020	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks					X
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD RPD		X		X	
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)					X
ICP Serial Dilution		X	X		
Reporting Limit Verification		X		X	
Raw Data		X		X	

%R Percent recovery
RPD Relative percent difference

VALIDATION PERFORMED BY: Rachelle Borne

SIGNATURE: Rachelle Borne

DATE: March 13, 2010

PEER REVIEW: Dennis Capria

DATE: March 15, 2010

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	131	3.00	9.99		mg/Kg-dry	1	02/01/10 10:57 AM
Surr: Isopropylbenzene	51.8	0	47 - 142		%REC	1	02/01/10 10:57 AM
Surr: Octacosane	131	0	25 - 162		%REC	1	02/01/10 10:57 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0990	0.198		mg/Kg-dry	1	01/27/10 06:00 PM
Surr: Tetrachlorethene	103	0	70 - 134		%REC	1	01/27/10 06:00 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0171	0.0534		mg/Kg-dry	1	02/01/10 10:50 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.70	0.513	1.03		mg/Kg-dry	5	02/01/10 05:47 PM
Barium	235	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Cadmium	0.301	0.103	0.308	J	mg/Kg-dry	5	02/01/10 05:47 PM
Chromium	10.7 J	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Lead	18.0	0.103	0.308		mg/Kg-dry	5	02/01/10 05:47 PM
Selenium	2.17	0.154	0.513		mg/Kg-dry	5	02/01/10 05:47 PM
Silver	ND	0.103	0.205		mg/Kg-dry	5	02/01/10 05:47 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Anthracene	0.0150	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[g,h,i]perylene	0.00530	0.00515	0.0103	J	mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Surr: 2-Fluorobiphenyl	96.1	0	40 - 140		%REC	1	01/28/10 07:52 PM
Surr: 4-Terphenyl-d14	85.5	0	40 - 140		%REC	1	01/28/10 07:52 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,1-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

'ifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3-11-10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichlorobenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trichlorobenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trimethylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromo-3-chloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromoethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichlorobenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3,5-Trimethylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichlorobenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichloro-2-butene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichlorobenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Butanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chloroethylvinylether	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chlorotoluene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Hexanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
4-Chlorotoluene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
4-Methyl-2-pentanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Acetone	ND UJ	0.0146	0.0487		mg/Kg-dry	1	01/25/10 04:22 PM
Acrylonitrile	ND	0.00292	0.00974		mg/Kg-dry	1	01/25/10 04:22 PM
Benzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromodichloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromoform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon disulfide	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon tetrachloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dichlorodifluoromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Ethylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Hexachlorobutadiene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Iodomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Isopropylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

KB 3-1-10

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methyl tert-butyl ether	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methylene chloride	ND	0.00487	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Butylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Propylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Naphthalene	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
o-Xylene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
p-Isopropyltoluene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
sec-Butylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Styrene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
tert-Butylbenzene	ND UJ	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Tetrachloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Toluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichlorofluoromethane	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Vinyl chloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	01/25/10 04:22 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 04:22 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:22 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 04:22 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.31	0	0		WT%	1	01/25/10 03:15 PM

RB 3-11-10

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	2.99	9.97		mg/Kg-dry	1	02/01/10 10:14 AM
Surr: Isopropylbenzene	52.6	0	47 - 142		%REC	1	02/01/10 10:14 AM
Surr: Octacosane	53.8	0	25 - 162		%REC	1	02/01/10 10:14 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	01/27/10 06:23 PM
Surr: Tetrachlorethene	110	0	70 - 134		%REC	1	01/27/10 06:23 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0140	0.0438		mg/Kg-dry	1	02/01/10 11:59 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.68	0.464	0.928		mg/Kg-dry	5	02/01/10 07:15 PM
Barium	105	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Cadmium	0.159	0.0928	0.278	J	mg/Kg-dry	5	02/01/10 07:15 PM
Chromium	8.04 J	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Lead	5.19	0.0928	0.278		mg/Kg-dry	5	02/01/10 07:15 PM
Selenium	1.31	0.139	0.464		mg/Kg-dry	5	02/01/10 07:15 PM
Silver	ND	0.0928	0.186		mg/Kg-dry	5	02/01/10 07:15 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[g,h,i]perylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 08:24 PM
Surr: 4-Terphenyl-d14	90.7	0	40 - 140		%REC	1	01/28/10 08:24 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,1-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

3-11-10

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromo-3-chloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromoethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3,5-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichloro-2-butene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Butanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chloroethylvinylether	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Hexanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
4-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
4-Methyl-2-pentanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Acetone	ND	0.0137	0.0456		mg/Kg-dry	1	01/25/10 04:54 PM
Acrylonitrile	ND	0.00273	0.00911		mg/Kg-dry	1	01/25/10 04:54 PM
Benzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromodichloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromoform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon disulfide	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon tetrachloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dichlorodifluoromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Ethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Hexachlorobutadiene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Iodomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Isopropylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

ifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methyl tert-butyl ether	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methylene chloride	ND	0.00456	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Propylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Naphthalene	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
o-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
p-Isopropyltoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
sec-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Styrene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
tert-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Tetrachloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Toluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichlorofluoromethane	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Vinyl chloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 04:54 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 04:54 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:54 PM
Surr: Toluene-d8	93.8	0	85 - 115		%REC	1	01/25/10 04:54 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	02/01/10 10:23 AM
Surr: Isopropylbenzene	61.9	0	47 - 142		%REC	1	02/01/10 10:23 AM
Surr: Octacosane	69.6	0	25 - 162		%REC	1	02/01/10 10:23 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.101	0.201		mg/Kg-dry	1	01/27/10 06:47 PM
Surr: Tetrachlorethene	106	0	70 - 134		%REC	1	01/27/10 06:47 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0160	0.0500		mg/Kg-dry	1	02/01/10 12:01 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.97	0.492	0.984		mg/Kg-dry	5	02/01/10 07:21 PM
Barium	93.9	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Cadmium	0.174	0.0984	0.295	J	mg/Kg-dry	5	02/01/10 07:21 PM
Chromium	9.28	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Lead	6.22 J	0.0984	0.295		mg/Kg-dry	5	02/01/10 07:21 PM
Selenium	1.62	0.148	0.492		mg/Kg-dry	5	02/01/10 07:21 PM
Silver	ND	0.0984	0.197		mg/Kg-dry	5	02/01/10 07:21 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[b]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[g,h,i]perylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[k]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Chrysene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Dibenz[a,h]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluorene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Indeno[1,2,3-cd]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Naphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Phenanthrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Surr: 2-Fluorobiphenyl	94.8	0	40 - 140		%REC	1	01/28/10 08:56 PM
Surr: 4-Terphenyl-d14	82.4	0	40 - 140		%REC	1	01/28/10 08:56 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,1-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

lifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3/1/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromoethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Butanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chloroethylvinylether	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Hexanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
4-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
4-Methyl-2-pentanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Acetone	ND	0.0155	0.0517		mg/Kg-dry	1	01/25/10 05:25 PM
Acrylonitrile	ND	0.00310	0.0103		mg/Kg-dry	1	01/25/10 05:25 PM
Benzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromodichloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromoform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon disulfide	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon tetrachloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dichlorodifluoromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Ethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Hexachlorobutadiene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Iodomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Isopropylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methyl tert-butyl ether	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methylene chloride	ND	0.00517	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Propylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Naphthalene	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
o-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
p-Isopropyltoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
sec-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Styrene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
tert-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Tetrachloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Toluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichlorofluoromethane	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Vinyl chloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 05:25 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 05:25 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 05:25 PM
Surr: Toluene-d8	94.5	0	85 - 115		%REC	1	01/25/10 05:25 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.15	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.00	9.99		mg/Kg-dry	1	02/01/10 10:31 AM
Surr: Isopropylbenzene	60.6	0	47 - 142		%REC	1	02/01/10 10:31 AM
Surr: Octacosane	62.1	0	25 - 162		%REC	1	02/01/10 10:31 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0924	0.185		mg/Kg-dry	1	01/27/10 07:10 PM
Surr: Tetrachlorethene	108	0	70 - 134		%REC	1	01/27/10 07:10 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0156	0.0487		mg/Kg-dry	1	02/01/10 12:03 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.45	0.487	0.975		mg/Kg-dry	5	02/01/10 07:27 PM
Barium	62.9	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Cadmium	0.145	0.0975	0.292	J	mg/Kg-dry	5	02/01/10 07:27 PM
Chromium	9.42 J	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Lead	5.12	0.0975	0.292		mg/Kg-dry	5	02/01/10 07:27 PM
Selenium	1.35	0.146	0.487		mg/Kg-dry	5	02/01/10 07:27 PM
Silver	ND	0.0975	0.195		mg/Kg-dry	5	02/01/10 07:27 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 09:28 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 09:28 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,1-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3-11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromo-3-chloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromoethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3,5-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichloro-2-butene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Butanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chloroethylvinylether	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Hexanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
4-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
4-Methyl-2-pentanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Acetone	ND	0.0142	0.0473		mg/Kg-dry	1	01/25/10 05:56 PM
Acrylonitrile	ND	0.00284	0.00946		mg/Kg-dry	1	01/25/10 05:56 PM
Benzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromodichloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromoform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon disulfide	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon tetrachloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dichlorodifluoromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Ethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Hexachlorobutadiene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Iodomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Isopropylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

lifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methyl tert-butyl ether	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methylene chloride	ND	0.00473	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Propylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Naphthalene	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
o-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
p-Isopropyltoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
sec-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Styrene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
tert-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Tetrachloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Toluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichlorofluoromethane	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Vinyl chloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Surr: 1,2-Dichloroethane-d4	116	0	78 - 125		%REC	1	01/25/10 05:56 PM
Surr: 4-Bromofluorobenzene	99.0	0	85 - 120		%REC	1	01/25/10 05:56 PM
Surr: Dibromofluoromethane	107	0	84 - 116		%REC	1	01/25/10 05:56 PM
Surr: Toluene-d8	90.3	0	85 - 115		%REC	1	01/25/10 05:56 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.20	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 10:40 AM
Surr: Isopropylbenzene	69.6	0	47 - 142		%REC	1	02/01/10 10:40 AM
Surr: Octacosane	73.6	0	25 - 162		%REC	1	02/01/10 10:40 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0968	0.194		mg/Kg-dry	1	01/27/10 07:33 PM
Surr: Tetrachlorethene	104	0	70 - 134		%REC	1	01/27/10 07:33 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0154	0.0480		mg/Kg-dry	1	02/01/10 12:24 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.55	0.496	0.992		mg/Kg-dry	5	02/01/10 08:26 PM
Barium	66.2 J	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Cadmium	0.133	0.0992	0.297	J	mg/Kg-dry	5	02/01/10 08:26 PM
Chromium	8.57	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Lead	5.98 J	0.0992	0.297		mg/Kg-dry	5	02/01/10 08:26 PM
Selenium	1.48 J	0.149	0.496		mg/Kg-dry	5	02/01/10 08:26 PM
Silver	ND	0.0992	0.198		mg/Kg-dry	5	02/01/10 08:26 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[b]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[g,h,i]perylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[k]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Chrysene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Dibenz[a,h]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluorene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Naphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Phenanthrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Surr: 2-Fluorobiphenyl	111	0	40 - 140		%REC	1	01/28/10 10:00 PM
Surr: 4-Terphenyl-d14	89.6	0	40 - 140		%REC	1	01/28/10 10:00 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,1-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

3-11-10

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromoethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Butanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chloroethylvinylether	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Hexanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
4-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
4-Methyl-2-pentanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Acetone	ND	0.0153	0.0511		mg/Kg-dry	1	01/25/10 06:28 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 06:28 PM
Benzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromodichloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromoform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon disulfide	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon tetrachloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dichlorodifluoromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Ethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Hexachlorobutadiene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Iodomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Isopropylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methyl tert-butyl ether	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methylene chloride	ND	0.00511	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Propylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Naphthalene	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
o-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
p-Isopropyltoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
sec-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Styrene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
tert-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Tetrachloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Toluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichlorofluoromethane	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Vinyl chloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 06:28 PM
Surr: 4-Bromofluorobenzene	97.9	0	85 - 120		%REC	1	01/25/10 06:28 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 06:28 PM
Surr: Toluene-d8	93.7	0	85 - 115		%REC	1	01/25/10 06:28 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.96	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.13	10.4		mg/Kg-dry	1	02/01/10 10:48 AM
Surr: Isopropylbenzene	59.3	0	47 - 142		%REC	1	02/01/10 10:48 AM
Surr: Octacosane	63.7	0	25 - 162		%REC	1	02/01/10 10:48 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 07:57 PM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/27/10 07:57 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0162	0.0505		mg/Kg-dry	1	02/01/10 12:26 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.32	0.511	1.02		mg/Kg-dry	5	02/01/10 08:32 PM
Barium	186	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Cadmium	0.253	0.102	0.306	J	mg/Kg-dry	5	02/01/10 08:32 PM
Chromium	9.87	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Lead	13.8	0.102	0.306		mg/Kg-dry	5	02/01/10 08:32 PM
Selenium	2.21	0.153	0.511		mg/Kg-dry	5	02/01/10 08:32 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	02/01/10 08:32 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Surr: 2-Fluorobiphenyl	98.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
Surr: 4-Terphenyl-d14	80.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,1-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromoethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Butanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chloroethylvinylether	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Hexanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
4-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
4-Methyl-2-pentanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Acetone	ND	0.0157	0.0525		mg/Kg-dry	1	01/25/10 06:59 PM
Acrylonitrile	ND	0.00315	0.0105		mg/Kg-dry	1	01/25/10 06:59 PM
Benzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromodichloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromoform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon disulfide	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon tetrachloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dichlorodifluoromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Ethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Hexachlorobutadiene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Iodomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Isopropylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

'ifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methyl tert-butyl ether	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methylene chloride	ND	0.00525	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Propylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Naphthalene	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
o-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
p-Isopropyltoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
sec-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Styrene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
tert-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Tetrachloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Toluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichlorofluoromethane	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Vinyl chloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 06:59 PM
Surr: 4-Bromofluorobenzene	97.7	0	85 - 120		%REC	1	01/25/10 06:59 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 06:59 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 06:59 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.87	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 11:57 AM
Surr: Isopropylbenzene	59.2	0	47 - 142		%REC	1	02/01/10 11:57 AM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 11:57 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0958	0.192		mg/Kg-dry	1	01/27/10 08:20 PM
Surr: Tetrachlorethene	115	0	70 - 134		%REC	1	01/27/10 08:20 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0162	0.0506		mg/Kg-dry	1	02/01/10 12:28 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.20	0.431	0.861		mg/Kg-dry	5	02/01/10 08:38 PM
Barium	91.5 J	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Cadmium	0.156	0.0861	0.258	J	mg/Kg-dry	5	02/01/10 08:38 PM
Chromium	4.57	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Lead	4.78 J	0.0861	0.258		mg/Kg-dry	5	02/01/10 08:38 PM
Selenium	1.47 J	0.129	0.431		mg/Kg-dry	5	02/01/10 08:38 PM
Silver	ND	0.0861	0.172		mg/Kg-dry	5	02/01/10 08:38 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[b]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[g,h,i]perylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[k]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Chrysene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Dibenz[a,h]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluorene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Indeno[1,2,3-cd]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Naphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Phenanthrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/28/10 11:03 PM
Surr: 4-Terphenyl-d14	86.0	0	40 - 140		%REC	1	01/28/10 11:03 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,1-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

lifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3-11-10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromoethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3,5-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichloro-2-butene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Butanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
4-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Acetone	ND	0.0150	0.0500		mg/Kg-dry	1	01/25/10 07:31 PM
Acrylonitrile	ND	0.00300	0.0100		mg/Kg-dry	1	01/25/10 07:31 PM
Benzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromodichloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromoform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon disulfide	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon tetrachloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dichlorodifluoromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Ethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Hexachlorobutadiene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Iodomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Isopropylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methyl tert-butyl ether	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methylene chloride	ND	0.00500	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Propylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Naphthalene	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
o-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
p-Isopropyltoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
sec-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Styrene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
tert-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Tetrachloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Toluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichlorofluoromethane	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Vinyl chloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Surr: 1,2-Dichloroethane-d4	102	0	78 - 125		%REC	1	01/25/10 07:31 PM
Surr: 4-Bromofluorobenzene	99.1	0	85 - 120		%REC	1	01/25/10 07:31 PM
Surr: Dibromofluoromethane	100	0	84 - 116		%REC	1	01/25/10 07:31 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 07:31 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.44	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.15	10.5		mg/Kg-dry	1	02/01/10 12:05 PM
Surr: Isopropylbenzene	56.0	0	47 - 142		%REC	1	02/01/10 12:05 PM
Surr: Octacosane	62.7	0	25 - 162		%REC	1	02/01/10 12:05 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 08:43 PM
Surr: Tetrachlorethene	119	0	70 - 134		%REC	1	01/27/10 08:43 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0153	0.0479		mg/Kg-dry	1	02/01/10 12:30 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	1.99	0.468	0.935		mg/Kg-dry	5	02/01/10 08:44 PM
Barium	96.0 J	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Cadmium	0.173	0.0935	0.281	J	mg/Kg-dry	5	02/01/10 08:44 PM
Chromium	9.60	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Lead	4.89 J	0.0935	0.281		mg/Kg-dry	5	02/01/10 08:44 PM
Selenium	1.38 J	0.140	0.468		mg/Kg-dry	5	02/01/10 08:44 PM
Silver	ND	0.0935	0.187		mg/Kg-dry	5	02/01/10 08:44 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[b]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[g,h,i]perylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[k]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Chrysene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Dibenz[a,h]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluorene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Naphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Phenanthrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Surr: 2-Fluorobiphenyl	108	0	40 - 140		%REC	1	01/28/10 11:36 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 11:36 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,1-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3-11-10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromoethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Butanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chloroethylvinylether	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Hexanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
4-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
4-Methyl-2-pentanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Acetone	ND	0.0159	0.0529		mg/Kg-dry	1	01/25/10 08:02 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 08:02 PM
Benzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromodichloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromoform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon disulfide	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon tetrachloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dichlorodifluoromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Ethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Hexachlorobutadiene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Iodomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Isopropylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

ifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methyl tert-butyl ether	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methylene chloride	ND	0.00529	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Propylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Naphthalene	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
o-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
p-Isopropyltoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
sec-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Styrene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
tert-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Tetrachloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Toluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichlorofluoromethane	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Vinyl chloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 08:02 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 08:02 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 08:02 PM
Surr: Toluene-d8	92.5	0	85 - 115		%REC	1	01/25/10 08:02 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.22	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

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B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.09	10.3		mg/Kg-dry	1	02/01/10 12:14 PM
Surr: Isopropylbenzene	60.2	0	47 - 142		%REC	1	02/01/10 12:14 PM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 12:14 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	01/27/10 09:06 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 09:06 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0163	0.0511		mg/Kg-dry	1	02/01/10 12:32 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.14	0.469	0.937		mg/Kg-dry	5	02/01/10 08:50 PM
Barium	113 J	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Cadmium	0.158	0.0937	0.281	J	mg/Kg-dry	5	02/01/10 08:50 PM
Chromium	9.70	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Lead	5.80 J	0.0937	0.281		mg/Kg-dry	5	02/01/10 08:50 PM
Selenium	1.61 J	0.141	0.469		mg/Kg-dry	5	02/01/10 08:50 PM
Silver	ND	0.0937	0.187		mg/Kg-dry	5	02/01/10 08:50 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 12:08 AM
Surr: 4-Terphenyl-d14	84.9	0	40 - 140		%REC	1	01/29/10 12:08 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,1-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

3-11-10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromoethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Butanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chloroethylvinylether	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Hexanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
4-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
4-Methyl-2-pentanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Acetone	ND	0.0152	0.0506		mg/Kg-dry	1	01/25/10 08:34 PM
Acrylonitrile	ND	0.00303	0.0101		mg/Kg-dry	1	01/25/10 08:34 PM
Benzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromodichloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromoform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon disulfide	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon tetrachloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dichlorodifluoromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Ethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Hexachlorobutadiene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Iodomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Isopropylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methyl tert-butyl ether	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methylene chloride	ND	0.00506	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Propylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Naphthalene	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
o-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
p-Isopropyltoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
sec-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Styrene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
tert-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Tetrachloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Toluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichlorofluoromethane	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Vinyl chloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 08:34 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 08:34 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 08:34 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 08:34 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	02/01/10 12:22 PM
Surr: Isopropylbenzene	53.5	0	47 - 142		%REC	1	02/01/10 12:22 PM
Surr: Octacosane	61.3	0	25 - 162		%REC	1	02/01/10 12:22 PM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.103	0.206		mg/Kg-dry	1	01/27/10 09:29 PM
Surr: Tetrachlorethene	114	0	70 - 134		%REC	1	01/27/10 09:29 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0152	0.0475		mg/Kg-dry	1	02/01/10 12:34 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KL**
Arsenic	2.37	0.512	1.02		mg/Kg-dry	5	02/01/10 08:55 PM
Barium	194 J	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Cadmium	0.264	0.102	0.307	J	mg/Kg-dry	5	02/01/10 08:55 PM
Chromium	10.5	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Lead	7.92 J	0.102	0.307		mg/Kg-dry	5	02/01/10 08:55 PM
Selenium	2.14 J	0.154	0.512		mg/Kg-dry	5	02/01/10 08:55 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/01/10 08:55 PM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[b]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[g,h,i]perylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[k]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Chrysene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Dibenz[a,h]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluorene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Indeno[1,2,3-cd]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Naphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Phenanthrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Surr: 2-Fluorobiphenyl	104	0	40 - 140		%REC	1	01/29/10 12:39 AM
Surr: 4-Terphenyl-d14	84.8	0	40 - 140		%REC	1	01/29/10 12:39 AM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,1-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

RA 3-11-10

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromoethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Butanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chloroethylvinylether	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Hexanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
4-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
4-Methyl-2-pentanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Acetone	ND	0.0158	0.0528		mg/Kg-dry	1	01/25/10 09:05 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 09:05 PM
Benzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromodichloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromoform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon disulfide	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon tetrachloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dichlorodifluoromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Ethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Hexachlorobutadiene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Iodomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Isopropylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

'ifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methyl tert-butyl ether	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methylene chloride	ND	0.00528	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Propylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Naphthalene	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
o-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
p-Isopropyltoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
sec-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Styrene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
tert-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Tetrachloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Toluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichlorofluoromethane	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Vinyl chloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 09:05 PM
Surr: 4-Bromofluorobenzene	98.8	0	85 - 120		%REC	1	01/25/10 09:05 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 09:05 PM
Surr: Toluene-d8	93.3	0	85 - 115		%REC	1	01/25/10 09:05 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.16	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 06:47 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 06:47 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 06:47 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 06:47 PM
Surr: 1,2-Dichloroethane-d4	115	0	70 - 120		%REC	1	01/28/10 06:47 PM
Surr: 4-Bromofluorobenzene	111	0	75 - 120		%REC	1	01/28/10 06:47 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 06:47 PM
Surr: Toluene-d8	98.4	0	85 - 120		%REC	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	ND	0.0500	0.100		mg/L	1	01/26/10 11:41 AM
Surr: Isopropylbenzene	44.5	0	60 - 140	S	%REC	1	01/26/10 11:41 AM
Surr: Octacosane	61.8	0	51 - 124		%REC	1	01/26/10 11:41 AM
Method 8015 Gasoline (GRO)		**M8015V**					**Analyst: DEW**
Gasoline Range Organics	ND	0.0600	0.100		mg/L	1	01/28/10 05:53 PM
Surr: Tetrachlorethene	110	0	74 - 138		%REC	1	01/28/10 05:53 PM
Total Mercury: Aqueous		**SW7470A**					**Analyst: LM**
Mercury	ND	0.0000600	0.000200		mg/L	1	01/26/10 11:07 AM
Trace Metals: ICP-MS - Water		**SW6020**					**Analyst: CZ**
Arsenic	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Barium	0.00434	0.00300	0.0100	J	mg/L	1	01/26/10 11:38 AM
Cadmium	ND	0.000300	0.00100		mg/L	1	01/26/10 11:38 AM
Chromium	0.00305	0.00200	0.00600	J	mg/L	1	01/26/10 11:38 AM
Lead	0.000369	0.000300	0.00100	J	mg/L	1	01/26/10 11:38 AM
Selenium	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Silver	ND	0.000600	0.00200		mg/L	1	01/26/10 11:38 AM
PAHs: GC/MS		**SW8270C**					**Analyst: DO**
2-Methylnaphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[b]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[g,h,i]perylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[k]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Chrysene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Dibenz[a,h]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluorene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Indeno[1,2,3-cd]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Naphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Phenanthrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Surr: 2-Fluorobiphenyl	73.6	0	40 - 140		%REC	1	01/26/10 08:39 PM
Surr: 4-Terphenyl-d14	78.7	0	40 - 140		%REC	1	01/26/10 08:39 PM
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 04:41 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 04:41 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 04:41 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Toluene	0.00156	0.000600	0.00200	J	mg/L	1	01/28/10 04:41 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 04:41 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 04:41 PM
Surr: 4-Bromofluorobenzene	107	0	75 - 120		%REC	1	01/28/10 04:41 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 04:41 PM
Surr: Toluene-d8	98.8	0	85 - 120		%REC	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:05 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:05 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:05 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Toluene	0.00187	0.000600	0.00200	J	mg/L	1	01/28/10 05:05 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:05 PM
Surr: 1,2-Dichloroethane-d4	113	0	70 - 120		%REC	1	01/28/10 05:05 PM
Surr: 4-Bromofluorobenzene	109	0	75 - 120		%REC	1	01/28/10 05:05 PM
Surr: Dibromofluoromethane	103	0	85 - 115		%REC	1	01/28/10 05:05 PM
Surr: Toluene-d8	100	0	85 - 120		%REC	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:31 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:31 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:31 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:31 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 05:31 PM
Surr: 4-Bromofluorobenzene	108	0	75 - 120		%REC	1	01/28/10 05:31 PM
Surr: Dibromofluoromethane	105	0	85 - 115		%REC	1	01/28/10 05:31 PM
Surr: Toluene-d8	99.5	0	85 - 120		%REC	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL WO #: 1001149

zia engineering & environmental consultants, llc
765 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 p
575-532-1561 f

CHAIN OF CUSTODY RECORD

PROJECT NO. 18

PROJECT NAME: SRC FFTA

SAMPLER'S SIGNATURE: Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	RCRA 8 metals	VOCs	GRO/DRO	PAHs							REMARKS
1-20-10	0832	STRC-0162-B6-001-(0.5-1.0)	Soil	01	1	X										Note: Trip Blank Lab No. 19
1-20-10	0816	STRC-0162-B6-001-(4.0-5.0)	Soil	02	1	X										VOCs - STRC-0162-
1-20-10	0838	STRC-0162-B6-001-(14.0-15.0)	Soil	03	1	X										TB-005-0110
1-20-10	0830	STRC-0162-B6-001-(9.0-10.0)	Soil	04	1	X										1708 1-20-10
1-20-10	0931	STRC-0162-B6-002-(14.0-15.0)	Soil	05	1	X										
1-20-10	0914	STRC-0162-B6-002-(4.0-5.0)	Soil	06	1	X										
1-20-10	0900	STRC-0162-B6-002-(0.5-1.0)	Soil	07	1	X										
1-20-10	1020	STRC-0162-B6-003-(14.0-15.0)	Soil	08	1	X										
1-20-10	1020	STRC-0162-B6-003-(14.0-15.0)	Soil	09	1	X										
1-20-10	1017	STRC-0162-B6-003-(9.0-10.0)	Soil	10	1	X										
1-20-10	0945	STRC-0162-B6-003-(0.5-1.0)	Soil	11	1	X										
1-20-10	1004	STRC-0162-B6-003-(4.0-5.0)	Soil	12	1	X										
1-20-10	0924	STRC-0162-B6-002-(9.0-10.0)	Soil	13	1	X										
1-20-10	1634	STRC-0162-SB-008-(0.5-1.0)	Soil	14	3	X	X	X	X							
1-20-10	1645	STRC-0162-SB-008-(4.0-5.0)	Soil	15	3	X	X	X	X							
1-20-10	1657	STRC-0162-SB-008-(9.0-10.0)	Soil	16	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-008-(14.0-15.0)	Soil	17	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-108-(14.0-15.0)	Soil	18	3	X	X	X	X							

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/COLD	3.3°C	(TIME/DATE) 1/21/2010.	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 4.0°C Custody seal intact Therm #: 57		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1626 u
575-532-1697 f

DHL WO #: 1001149

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 Metals 6010B	DRO/GRO 8015						REMARKS
1-20-10	1240	STRC-0162-SB-003-(0.5-1.0)	Soil	20	3	X	X	X	X						
1-20-10	1250	STRC-0162-SB-003-(4.0-5.0)	Soil	21	3	X	X	X	X						
1-20-10	1307	STRC-0162-SB-003-(14.0-15.0)	Soil	22	3	X	X	X	X						(14.0-15.0)
1-20-10	1256	STRC-0162-SB-003-(9.0-10.0)	Soil	23	3	X	X	X	X						
1-20-10	1322	STRC-0162-SB-004-(0.5-1.0)	Soil	24	3	X	X	X	X						
1-20-10	1312	STRC-0162-SB-004-(0.5-1.0)	Soil	25	3	X	X	X	X						
1-20-10	1332	STRC-0162-SB-004-(4.0-5.0)	Soil	26	3	X	X	X	X						
1-20-10	1339	STRC-0162-SB-004-(9.0-10.0)	Soil	27	3	X	X	X	X						
1-20-10	1345	STRC-0162-SB-004-(14.0-15.0)	Soil	28	3	X	X	X	X						
1-20-10	1410	STRC-0162-SB-005-(0.5-1.0)	Soil	29	3	X	X	X	X						
1-20-10	1420	STRC-0162-SB-005-(4.0-5.0)	Soil	30	3	X	X	X	X						
1-20-10	1420	STRC-0162-TB-002-0110	Water	01	2		X								

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/COOLED	5.1°C	(TIME/DATE) 1/21/10 ~~FED EX~~ ak	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: FedEX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: custody seal intact Receiving temp: 5.1°C Therm#: 67		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 p
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO. 18 | PROJECT NAME SRC FFTA

SAMPLER'S SIGNATURE Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270	VOCs 8260B	RCRA 8 Metals	DRO/GRO 8015							REMARKS
1-20-10	1439	SRC-0162-SB-005-(14.0-15.0)	Soil	32	3	X	X	X	X							
1-20-10	1430	SRC-0162-SB-005-(9.0-10.0)	Soil	33	3	X	X	X	X							
1-20-10	1456	SRC-0162-SB-006-(0.5-1.0)	Soil	34	3	X	X	X	X							
1-20-10	1510	SRC-0162-SB-006-(4.0-5.0)	Soil	35	3	X	X	X	X							
1-20-10	1514	SRC-0162-SB-006-(8.0-9.0)	Soil	36	3	X	X	X	X							
1-20-10	1523	SRC-0162-SB-006-(14.0-15.0)	Soil	37	3	X	X	X	X							
1-20-10	1523	SRC-0162-SB-006-(14.0-15.0)	Soil	38	3	X	X	X	X							
1-20-10	1546	SRC-0162-SB-007-(0.5-1.0)	Soil	39	3	X	X	X	X							
1-20-10	1609	SRC-0162-SB-007-(14.0-15.0)	Soil	40	3	X	X	X	X							
1-20-10	1558	SRC-0162-SB-007-(4.0-5.0)	Soil	41	3	X	X	X	X							
1-20-10	1603	SRC-0162-SB-007-(9.0-10.0)	Soil	42	3	X	X	X	X							
1-20-10	1603	SRC-0162-TB-003-0110	Water	43	2		X									Trip Blank

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.5°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/10 - 0950	(TIME/DATE) 1/22/10. 0950
VIA: FedEX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: custody seal intact - Receiving temp: 4.5°C Therm#: 57		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	DRO/GRO 8015	RCRA 8 metals 6010A		Ignitability	Full SVOCs 8270C				REMARKS
1-20-10	1045	STRC-0162-SB-001-(0.5-1.0)	Soil	44	3	X	X	X	X		X	X				
1-20-10	1058	STRC-0162-SB-001-(4.0-5.0)	Soil	45	3	X	X	X	X							
1-20-10	1103	STRC-0162-SB-001-(9.0-10.0)	Soil	46	3	X	X	X	X		X	X				
1-20-10	1115	STRC-0162-SB-001-(14.0-15.0)	Soil	47	3	X	X	X	X							
1-20-10	1131	STRC-0162-SB-002-(0.5-1.0)	Soil	48	3	X	X	X	X							
1-20-10	1142	STRC-0162-SB-002-(4.0-5.0)	Soil	49	3	X	X	X	X							
1-20-10	1146	STRC-0162-SB-002-(9.0-10.0)	Soil	50	3	X	X	X	X							
1-20-10	1154	STRC-0162-SB-002-(14.0-15.0)	Soil	51	3	X	X	X	X							
1-20-10	1154	STRC-0162-TB-001-0110	Water	52	2		X									Trip Blank

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	3.6°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 3.6°C Therm#: 57 - Custody Seals intact.		

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575-532-1526 p
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 metals	DRO/GRO							REMARKS
1-20-10	1220	STRC-0162-RB-001-0110	Water	53	11	X	X	X	X							Equipment Blank
1-20-10	1350	STRC-0162-FB-001-0110	Water	54	3		X									field blank
1-20-10	1350	STRC-0162-TB-004-0110	Water	55	2		X									Trip Blank

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.0°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: Receiving temp: 4.0°C Therm #:57 custody seal intact		

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April 21, 2010

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

TEL: (575) 678-3397
FAX: (575) 532-1587

Order No: 1004090

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 10 sample(s) on 4/9/2010 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-09-1

Table of Contents

Miscellaneous Documents 3

Case Narrative 7

Sample Summary 8

Prep Dates Report 9

Analytical Dates Report 10

Sample Results 11

Analytical QC Summary Report 21

zia engineering & environmental consultants, llc
S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 tel
575-532-1581 fax

CHAIN OF CUSTODY RECORD

#1004050

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
#22	SRC FFTA

SAMPLER'S SIGNATURE: Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	DRO										REMARKS
4-8-10	1124	STRC-0162-SB-010-(0.5-1.0)	Soil		1	X										
4-8-10	1140	STRC-0162-SB-010-(4.5-5.0)	Soil		1	X										
4-8-10	1140	STRC-0162-SB-110-(4.5-5.0)	Soil		1	X										
4-8-10	1227	STRC-0162-SB-010-(8.5-9.0)	Soil		1	X										
4-8-10	1300	STRC-0162-SB-010-(13.0-13.5)	Soil		1	X										
4-8-10	1302	STRC-0162-SB-009-(0.5-1.0)	Soil		1	X										
4-8-10	1321	STRC-0162-SB-009-(4.5-5.0)	Soil		1	X										
4-8-10	1325	STRC-0162-RB-001-0410	Water		2	X										
4-8-10	1400	STRC-0162-SB-009-(8.5-9.0)	Soil		1	X										
4-8-10	1433	STRC-0162-SB-009-(12.5-13.0)	Soil		1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	✓	1. RELINQUISHED BY: (SIGNATURE) Brad T. Davis	2. RELINQUISHED BY: (SIGNATURE) FED EX	3. RECEIVED BY LAB: (SIGNATURE) A Kuhaneck
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	11	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) Amber Kuhaneck
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A Kuhaneck	(COMPANY) DTL Analytical
	GOOD CONDITION/CHILLED	✓	(TIME/DATE) 4/8/10	(TIME/DATE) 4/9/10 1000	(TIME/DATE) 4/9/10 1000
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 3.4°C Therm #: 57 Seals intact Shipped via FEDEX		

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From: Origin ID: LRUA (575) 532-1526
Tara Parra
Zia EEC
755 S. Telshor Blvd.

Las Cruces, NM 88011

FedEx. Express

Ship Date: 08APR10
ActWgt: 75.0 LB
CAD: 100557518/INET3010

Delivery Address Bar Code

Ref # LCS-09-015
Invoice #
PO # BG 22
Dept #

SHIP TO: (512) 388-8222 BILL SENDER

John Dupont
DHL Analytical
2300 DOUBLE CREEK DR

ROUND ROCK, TX 78664

TRK# 0201 7985 4951 9358

FRI - 09 APR A1
PRIORITY OVERNIGHT

78664
TX-US
AUS

XH BSMA

CUSTODY SEAL
DATE 4-8-10
SIGNATURE Brit Davis

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental

Date Received: 4/9/2010

Work Order Number 1004090

Received by AK

Checklist completed by: [signature] 4/9/10 (Signature / Date)

Reviewed by SS 4-9-10 (Initials / Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	3.4 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Page 1 of 1

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GC15 **Run ID : GC15-100414A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
	Diesels Range Organics			
1004090-01A	Adjusted baseline by MI.			

*Manually Integrated = MI

RV 04/14/2010 4.19.2010

Manual Integrations Tracking Form - DoD-R1[1]

CLIENT:	Zia Engineering & Environmental	CASE NARRATIVE
Project:	SRC FFTA	
Lab Order:	1004090	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method M8015D - DRO Analysis
Method D2216 - Percent Moisture

LOG IN

Samples were received on and log-in performed on 04/09/2010. A total of 10 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged.

DRO ANALYSIS

For DRO Analysis, the recovery of surrogate Isopropylbenzene in Sample STRC-0162-RB-001-0410, the Laboratory Control Spike (LCS-40494), the Matrix Spike (1004090-08 MS) and Method Blanks (MB-40490) was slightly below the method control limits. These are flagged accordingly in the Analytical Data Report and the QC Summary Report. The remaining surrogate was within acceptable control limits for these samples. No further corrective action was taken.

For TPH DRO Analysis, some samples and/or standards were manually integrated. Please refer to the table on page 6 of this report for the full list of samples, standards, and the compounds that were manually integrated.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Brad Davis of ZIA Requested the most recent bottle kit from Jennifer Barker of DHL: via email on 3/2/2010.
Kit sent on 3/2/2010 via Lonestar Overnight, to arrive by 3/8/2010.
This sample delivery group arrives at DHL Analytical 4/9/2010. Sample summary sent via email from Log-in to client on 4/9/2010.

All hardcopies for the sample kit request, bill of lading for sample kit sent are kept in the project folder.

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004090

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1004090-01	STRC-0162-SB-010-(0.5-1.0)		04/08/10 11:24 AM	04/09/10
1004090-02	STRC-0162-SB-010-(4.5-5.0)		04/08/10 11:40 AM	04/09/10
1004090-03	STRC-0162-SB-110-(4.5-5.0)		04/08/10 11:40 AM	04/09/10
1004090-04	STRC-0162-SB-010-(8.5-9.0)		04/08/10 12:27 PM	04/09/10
1004090-05	STRC-0162-SB-010-(13.0-13.5)		04/08/10 01:00 PM	04/09/10
1004090-06	STRC-0162-SB-009-(0.5-1.0)		04/08/10 01:02 PM	04/09/10
1004090-07	STRC-0162-SB-009-(4.5-5.0)		04/08/10 01:21 PM	04/09/10
1004090-08	STRC-0162-RB-001-0410		04/08/10 01:25 PM	04/09/10
1004090-09	STRC-0162-SB-009-(8.5-9.0)		04/08/10 02:00 PM	04/09/10
1004090-10	STRC-0162-SB-009-(12.5-13.0)		04/08/10 02:33 PM	04/09/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004090

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1004090-01A	STRC-0162-SB-010-(0.5-1.0)	04/08/10 11:24 AM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-010-(0.5-1.0)	04/08/10 11:24 AM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-02A	STRC-0162-SB-010-(4.5-5.0)	04/08/10 11:40 AM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-010-(4.5-5.0)	04/08/10 11:40 AM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-03A	STRC-0162-SB-110-(4.5-5.0)	04/08/10 11:40 AM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-110-(4.5-5.0)	04/08/10 11:40 AM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-04A	STRC-0162-SB-010-(8.5-9.0)	04/08/10 12:27 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-010-(8.5-9.0)	04/08/10 12:27 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-05A	STRC-0162-SB-010-(13.0-13.5)	04/08/10 01:00 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-010-(13.0-13.5)	04/08/10 01:00 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-06A	STRC-0162-SB-009-(0.5-1.0)	04/08/10 01:02 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-009-(0.5-1.0)	04/08/10 01:02 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-07A	STRC-0162-SB-009-(4.5-5.0)	04/08/10 01:21 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-009-(4.5-5.0)	04/08/10 01:21 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-08A	STRC-0162-RB-001-0410	04/08/10 01:25 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	04/12/10 09:08 AM	40494
1004090-09A	STRC-0162-SB-009-(8.5-9.0)	04/08/10 02:00 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-009-(8.5-9.0)	04/08/10 02:00 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533
1004090-10A	STRC-0162-SB-009-(12.5-13.0)	04/08/10 02:33 PM	Soil	SW3550B	Soil Prep Sonication: DRO	04/13/10 02:40 PM	40530
	STRC-0162-SB-009-(12.5-13.0)	04/08/10 02:33 PM	Soil	D2216	Moisture Preparation	04/13/10 04:30 PM	40533

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004090

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1004090-01A	STRC-0162-SB-010-(0.5-1.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-010-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 12:18 PM	GC15_100414A
1004090-02A	STRC-0162-SB-010-(4.5-5.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-010-(4.5-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 10:15 AM	GC15_100414A
1004090-03A	STRC-0162-SB-110-(4.5-5.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-110-(4.5-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 10:24 AM	GC15_100414A
1004090-04A	STRC-0162-SB-010-(8.5-9.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-010-(8.5-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 10:33 AM	GC15_100414A
1004090-05A	STRC-0162-SB-010-(13.0-13.5)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-010-(13.0-13.5)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 10:42 AM	GC15_100414A
1004090-06A	STRC-0162-SB-009-(0.5-1.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-009-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 12:00 PM	GC15_100414A
1004090-07A	STRC-0162-SB-009-(4.5-5.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-009-(4.5-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 10:51 AM	GC15_100414A
1004090-08A	STRC-0162-RB-001-0410	Aqueous	M8015D	TPH Extractable by GC - Water	40494	1	04/12/10 11:44 AM	GC15_100412A
1004090-09A	STRC-0162-SB-009-(8.5-9.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-009-(8.5-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 11:51 AM	GC15_100414A
1004090-10A	STRC-0162-SB-009-(12.5-13.0)	Soil	D2216	Percent Moisture	40533	1	04/14/10 11:00 AM	PMOIST_100413A
	STRC-0162-SB-009-(12.5-13.0)	Soil	M8015D	TPH Extractable by GC - Soil	40530	1	04/14/10 11:00 AM	GC15_100414A

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-010-(0.5-1.0)
Project:	SRC FFTA	Lab ID:	1004090-01
Project No:	#22	Collection Date:	04/08/10 11:24 AM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	20.8	2.90	9.66		mg/Kg-dry	1	04/14/10 12:18 PM
Surr: Isopropylbenzene	69.6	0	47 - 142		%REC	1	04/14/10 12:18 PM
Surr: Octacosane	98.3	0	25 - 162		%REC	1	04/14/10 12:18 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.17	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-010-(4.5-5.0)
Project:	SRC FFTA	Lab ID:	1004090-02
Project No:	#22	Collection Date:	04/08/10 11:40 AM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<2.85	2.85	9.49		mg/Kg-dry	1	04/14/10 10:15 AM
Surr: Isopropylbenzene	70.9	0	47 - 142		%REC	1	04/14/10 10:15 AM
Surr: Octacosane	91.9	0	25 - 162		%REC	1	04/14/10 10:15 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.20	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-110-(4.5-5.0)
Project:	SRC FFTA	Lab ID:	1004090-03
Project No:	#22	Collection Date:	04/08/10 11:40 AM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.01	3.01	10.0		mg/Kg-dry	1	04/14/10 10:24 AM
Surr: Isopropylbenzene	69.5	0	47 - 142		%REC	1	04/14/10 10:24 AM
Surr: Octacosane	91.2	0	25 - 162		%REC	1	04/14/10 10:24 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.05	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-010-(8.5-9.0)
Project:	SRC FFTA	Lab ID:	1004090-04
Project No:	#22	Collection Date:	04/08/10 12:27 PM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.04	3.04	10.1		mg/Kg-dry	1	04/14/10 10:33 AM
Surr: Isopropylbenzene	66.5	0	47 - 142		%REC	1	04/14/10 10:33 AM
Surr: Octacosane	87.3	0	25 - 162		%REC	1	04/14/10 10:33 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.00	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-010-(13.0-13.5)
Project:	SRC FFTA	Lab ID:	1004090-05
Project No:	#22	Collection Date:	04/08/10 01:00 PM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.03	3.03	10.1		mg/Kg-dry	1	04/14/10 10:42 AM
Surr: Isopropylbenzene	71.7	0	47 - 142		%REC	1	04/14/10 10:42 AM
Surr: Octacosane	93.2	0	25 - 162		%REC	1	04/14/10 10:42 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.34	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-009-(0.5-1.0)
Project:	SRC FFTA	Lab ID:	1004090-06
Project No:	#22	Collection Date:	04/08/10 01:02 PM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.00	3.00	10.0		mg/Kg-dry	1	04/14/10 12:00 PM
Surr: Isopropylbenzene	70.2	0	47 - 142		%REC	1	04/14/10 12:00 PM
Surr: Octacosane	88.3	0	25 - 162		%REC	1	04/14/10 12:00 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.91	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-009-(4.5-5.0)
Project:	SRC FFTA	Lab ID:	1004090-07
Project No:	#22	Collection Date:	04/08/10 01:21 PM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<2.94	2.94	9.80		mg/Kg-dry	1	04/14/10 10:51 AM
Surr: Isopropylbenzene	73.0	0	47 - 142		%REC	1	04/14/10 10:51 AM
Surr: Octacosane	94.4	0	25 - 162		%REC	1	04/14/10 10:51 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	1.70	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-RB-001-0410
Project:	SRC FFTA	Lab ID:	1004090-08
Project No:	#22	Collection Date:	04/08/10 01:25 PM
Lab Order:	1004090	Matrix:	Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		M8015D					Analyst: AV
TPH-DRO C10-C28	<0.0500	0.0500	0.100		mg/L	1	04/12/10 11:44 AM
Surr: Isopropylbenzene	55.9	0	60 - 140	S	%REC	1	04/12/10 11:44 AM
Surr: Octacosane	84.7	0	51 - 124		%REC	1	04/12/10 11:44 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-009-(8.5-9.0)
Lab ID: 1004090-09
Collection Date: 04/08/10 02:00 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<2.96	2.96	9.85		mg/Kg-dry	1	04/14/10 11:51 AM
Surr: Isopropylbenzene	72.1	0	47 - 142		%REC	1	04/14/10 11:51 AM
Surr: Octacosane	94.8	0	25 - 162		%REC	1	04/14/10 11:51 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	2.20	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-009-(12.5-13.0)
Project:	SRC FFTA	Lab ID:	1004090-10
Project No:	#22	Collection Date:	04/08/10 02:33 PM
Lab Order:	1004090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.05	3.05	10.2		mg/Kg-dry	1	04/14/10 11:00 AM
Surr: Isopropylbenzene	74.2	0	47 - 142		%REC	1	04/14/10 11:00 AM
Surr: Octacosane	100	0	25 - 162		%REC	1	04/14/10 11:00 AM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	2.07	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1004090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100412A

Sample ID:	LCS-40494	Batch ID:	40494	TestNo:	M8015D	Units:	mg/L
SampType:	LCS	Run ID:	GC15_100412A	Analysis Date:	04/12/10 11:08 AM	Prep Date:	04/12/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.959	0.100	1.250	0	76.7	50	114			
Surr: Isopropylbenzene	0.0865		0.1500		57.6	60	140			S
Surr: Octacosane	0.127		0.1500		84.4	51	124			

Sample ID:	MB-40494	Batch ID:	40494	TestNo:	M8015D	Units:	mg/L
SampType:	MBLK	Run ID:	GC15_100412A	Analysis Date:	04/12/10 11:35 AM	Prep Date:	04/12/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	<0.0500	0.100								
Surr: Isopropylbenzene	0.0732		0.1500		48.8	60	140			S
Surr: Octacosane	0.115		0.1500		76.7	51	124			

Sample ID:	1004090-08A-MS	Batch ID:	40494	TestNo:	M8015D	Units:	mg/L
SampType:	MS	Run ID:	GC15_100412A	Analysis Date:	04/12/10 11:53 AM	Prep Date:	04/12/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1.02	0.100	1.250	0	82.0	50	114			
Surr: Isopropylbenzene	0.0863		0.1500		57.5	60	140			S
Surr: Octacosane	0.126		0.1500		84.1	51	124			

Sample ID:	1004090-08A-MSD	Batch ID:	40494	TestNo:	M8015D	Units:	mg/L
SampType:	MSD	Run ID:	GC15_100412A	Analysis Date:	04/12/10 12:02 PM	Prep Date:	04/12/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.939	0.100	1.250	0	75.1	50	114	8.74	30	
Surr: Isopropylbenzene	0.0901		0.1500		60.1	60	140	0	0	
Surr: Octacosane	0.129		0.1500		86.0	51	124	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100412A

Sample ID:	ICV-100412	Batch ID:	R48842		TestNo:		M8015D		Units:		mg/L
SampType:	ICV	Run ID:	GC15_100412A		Analysis Date:		04/12/10 10:55 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		515	0.100	500.0	0	103	85	115			
Surr: Isopropylbenzene		25.9		25.00		103	80	120			
Surr: Octacosane		23.5		25.00		94.1	80	120			

Sample ID:	CCV1-100412	Batch ID:	R48842		TestNo:		M8015D		Units:		mg/L
SampType:	CCV	Run ID:	GC15_100412A		Analysis Date:		04/12/10 12:20 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		232	0.100	250.0	0	92.7	85	115			
Surr: Isopropylbenzene		12.1		12.50		97.0	80	120			
Surr: Octacosane		11.0		12.50		87.9	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100414A

Sample ID:	LCS-40530	Batch ID:	40530	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_100414A	Analysis Date:	04/14/10 09:48 AM	Prep Date:	04/13/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	99.1	10.0	125.0	0	79.3	50	114			
Surr: Isopropylbenzene	5.46		7.500		72.7	47	142			
Surr: Octacosane	7.28		7.500		97.1	25	162			

Sample ID:	MB-40530	Batch ID:	40530	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_100414A	Analysis Date:	04/14/10 10:06 AM	Prep Date:	04/13/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	<3.00	10.0								
Surr: Isopropylbenzene	5.19		7.500		69.1	47	142			
Surr: Octacosane	6.94		7.500		92.5	25	162			

Sample ID:	1004090-10A-MS	Batch ID:	40530	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_100414A	Analysis Date:	04/14/10 11:09 AM	Prep Date:	04/13/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	92.1	9.87	123.3	0	74.7	50	114			
Surr: Isopropylbenzene	5.23		7.400		70.6	47	142			
Surr: Octacosane	6.78		7.400		91.6	25	162			

Sample ID:	1004090-10A-MSD	Batch ID:	40530	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100414A	Analysis Date:	04/14/10 11:18 AM	Prep Date:	04/13/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	95.8	9.92	124.0	0	77.2	50	114	3.84	30	
Surr: Isopropylbenzene	5.51		7.443		74.1	47	142	0	0	
Surr: Octacosane	7.00		7.443		94.0	25	162	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100414A

Sample ID:	ICV-100414	Batch ID:	R48895		TestNo:		M8015D		Units:		mg/Kg
SampType:	ICV	Run ID:	GC15_100414A		Analysis Date:		04/14/10 09:17 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		484	10.0	500.0	0	96.8	85	115			
Surr: Isopropylbenzene		23.7		25.00		94.9	47	142			
Surr: Octacosane		26.6		25.00		106	25	162			

Sample ID:	CCV1-100414	Batch ID:	R48895		TestNo:		M8015D		Units:		mg/Kg
SampType:	CCV	Run ID:	GC15_100414A		Analysis Date:		04/14/10 11:36 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		232	10.0	250.0	0	92.9	85	115			
Surr: Isopropylbenzene		11.5		12.50		91.6	47	142			
Surr: Octacosane		12.7		12.50		102	25	162			

Sample ID:	CCV2-100414	Batch ID:	R48895		TestNo:		M8015D		Units:		mg/Kg
SampType:	CCV	Run ID:	GC15_100414A		Analysis Date:		04/14/10 12:44 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		233	10.0	250.0	0	93.2	85	115			
Surr: Isopropylbenzene		11.5		12.50		92.2	47	142			
Surr: Octacosane		12.3		12.50		98.6	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100413A

Sample ID:	1004090-10A-DUP	Batch ID:	40533		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_100413A		Analysis Date:		04/14/10 11:00 AM		Prep Date:		04/13/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		2.25	0	0	2.071				8.31	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

ARCADIS

Infrastructure, environment, facilities

Imagine the result

White Sands Missile Range-
Stallion Range FFTA RFI

Data Review

WHITE SANDS MISSLE RANGE, NEW MEXICO

DRO Analysis

SDG #1004090

Analyses Performed By:
DHL Analytical, Inc.
Round Rock, Texas

Report #12012R
Review Level: Tier II
Project: GP08WSMR.OODM.OC110

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #1004090 for samples collected in association with the White Sands Missile Range-Stallion Range FFTA RFI Site. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	BTEX	DRO	MET
STRC-0162-SB-010-(0.5-1.0)	1004090-01A	Soil	4/10/2010					X	
STRC-0162-SB-010-(4.5-5.0)	1004090-02A	Soil	4/10/2010					X	
STRC-0162-SB-110-(4.5-5.0)	1004090-03A	Soil	4/10/2010	STRC-0162-SB-010-(4.5-5.0)				X	
STRC-0162-SB-010-(8.5-9.0)	1004090-04A	Soil	4/10/2010					X	
STRC-0162-SB-010-(13.0-13.5)	1004090-05A	Soil	4/10/2010					X	
STRC-0162-SB-009-(0.5-1.0)	1004090-06A	Soil	4/10/2010					X	
STRC-0162-SB-009-(4.5-5.0)	1004090-07A	Soil	4/10/2010					X	
STRC-0162-RB-001-0410	1004090-08A	Water	4/10/2010					X	
STRC-0162-SB-009-(8.5-9.0)	1004090-09A	Soil	4/10/2010					X	
STRC-0162-SB-009-(12.5-13.0)	1004090-10A	Soil	4/10/2010					X	

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8015. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999/January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DIESEL RANGE ORGANICS (DRO) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8015	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Surrogate	Recovery
STRC-0162-RB-001-0410	Isopropylbenzene	<LL but >10%

Lower control limit (LL)

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results associated with the deviant fraction are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

5. Laboratory Control Sample (LCS) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 40% for water matrices and 70% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
STRC-0162-SB-010-(4.5-5.0)/ STRC-0162-SB-110-(4.5-5.0)	DRO	2.85 U	3.01 U	AC

AC Acceptable
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. Compound Identification

Compounds are identified on the GC by laboratory personnel using the analytes relative retention time. These identifications were not reviewed by the data validator.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR DRO

DRO; SW-846 8015	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate(MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X	X		
Dilution Factor					X
Moisture Content		X		X	

%RSD – relative standard deviation, %R - percent recovery, RPD - relative percent difference, %D – difference

VALIDATION PERFORMED BY: Jeffrey L. Davin

SIGNATURE:

DATE: April 29, 2010

PEER REVIEW: Dennis Capria

DATE: May 7, 2010

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-010-(0.5-1.0)
Lab ID: 1004090-01
Collection Date: 04/08/10 11:24 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	20.8	2.90	9.66		mg/Kg-dry	1	04/14/10 12:18 PM
Surr: Isopropylbenzene	69.6	0	47 - 142		%REC	1	04/14/10 12:18 PM
Surr: Octacosane	98.3	0	25 - 162		%REC	1	04/14/10 12:18 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.17	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-010-(4.5-5.0)
Lab ID: 1004090-02
Collection Date: 04/08/10 11:40 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<2.85	2.85	9.49		mg/Kg-dry	1	04/14/10 10:15 AM
Surr: Isopropylbenzene	70.9	0	47 - 142		%REC	1	04/14/10 10:15 AM
Surr: Octacosane	91.9	0	25 - 162		%REC	1	04/14/10 10:15 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.20	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-110-(4.5-5.0)
Lab ID: 1004090-03
Collection Date: 04/08/10 11:40 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<3.01	3.01	10.0		mg/Kg-dry	1	04/14/10 10:24 AM
Surr: Isopropylbenzene	69.5	0	47 - 142		%REC	1	04/14/10 10:24 AM
Surr: Octacosane	91.2	0	25 - 162		%REC	1	04/14/10 10:24 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.05	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-010-(8.5-9.0)
Lab ID: 1004090-04
Collection Date: 04/08/10 12:27 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<3.04	3.04	10.1		mg/Kg-dry	1	04/14/10 10:33 AM
Surr: Isopropylbenzene	66.5	0	47 - 142		%REC	1	04/14/10 10:33 AM
Surr: Octacosane	87.3	0	25 - 162		%REC	1	04/14/10 10:33 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.00	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-010-(13.0-13.5)
Lab ID: 1004090-05
Collection Date: 04/08/10 01:00 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<3.03	3.03	10.1		mg/Kg-dry	1	04/14/10 10:42 AM
Surr: Isopropylbenzene	71.7	0	47 - 142		%REC	1	04/14/10 10:42 AM
Surr: Octacosane	93.2	0	25 - 162		%REC	1	04/14/10 10:42 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.34	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-009-(0.5-1.0)
Lab ID: 1004090-06
Collection Date: 04/08/10 01:02 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<3.00	3.00	10.0		mg/Kg-dry	1	04/14/10 12:00 PM
Surr: Isopropylbenzene	70.2	0	47 - 142		%REC	1	04/14/10 12:00 PM
Surr: Octacosane	88.3	0	25 - 162		%REC	1	04/14/10 12:00 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.91	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-009-(4.5-5.0)
Lab ID: 1004090-07
Collection Date: 04/08/10 01:21 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<2.94	2.94	9.80		mg/Kg-dry	1	04/14/10 10:51 AM
Surr: Isopropylbenzene	73.0	0	47 - 142		%REC	1	04/14/10 10:51 AM
Surr: Octacosane	94.4	0	25 - 162		%REC	1	04/14/10 10:51 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	1.70	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-RB-001-0410
Lab ID: 1004090-08
Collection Date: 04/08/10 01:25 PM
Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<0.0500	0.0500	0.100	J	mg/L	1	04/12/10 11:44 AM
Surr: Isopropylbenzene	55.9	0	60 - 140	S	%REC	1	04/12/10 11:44 AM
Surr: Octacosane	84.7	0	51 - 124		%REC	1	04/12/10 11:44 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-009-(8.5-9.0)
Lab ID: 1004090-09
Collection Date: 04/08/10 02:00 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<2.96	2.96	9.85		mg/Kg-dry	1	04/14/10 11:51 AM
Surr: Isopropylbenzene	72.1	0	47 - 142		%REC	1	04/14/10 11:51 AM
Surr: Octacosane	94.8	0	25 - 162		%REC	1	04/14/10 11:51 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.20	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/21/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: #22
Lab Order: 1004090

Client Sample ID: STRC-0162-SB-009-(12.5-13.0)
Lab ID: 1004090-10
Collection Date: 04/08/10 02:33 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	<3.05	3.05	10.2		mg/Kg-dry	1	04/14/10 11:00 AM
Surr: Isopropylbenzene	74.2	0	47 - 142		%REC	1	04/14/10 11:00 AM
Surr: Octacosane	100	0	25 - 162		%REC	1	04/14/10 11:00 AM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.07	0	0		WT%	1	04/14/10 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-632-1526 p
575-632-1587 f

CHAIN OF CUSTODY RECORD

#1004090

PAGE 1 OF 1

PROJECT NO.: #22
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brad T. Davis

	DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	DRO	REMARKS
01	4-8-10	1124	STRC-0162-SB-010-(0.5-1.0)	Soil		1	X	
02	4-8-10	1140	STRC-0162-SB-010-(4.5-5.0)	Soil		1	X	
03	4-8-10	1140	STRC-0162-SB-110-(4.5-5.0)	Soil		1	X	
04	4-8-10	1227	STRC-0162-SB-010-(8.5-9.0)	Soil		1	X	
05	4-8-10	1300	STRC-0162-SB-010-(13.0-13.5)	Soil		1	X	
06	4-8-10	1302	STRC-0162-SB-009-(0.5-1.0)	Soil		1	X	
07	4-8-10	1321	STRC-0162-SB-009-(4.5-5.0)	Soil		1	X	
08	4-8-10	1325	STRC-0162-RB-001-0410	Water		2	X	
09	4-8-10	1400	STRC-0162-SB-009-(8.5-9.0)	Soil		1	X	
10	4-8-10	1433	STRC-0162-SB-009-(12.5-13.0)	Soil		1	X	

PROJECT INFORMATION	SAMPLES RECEIVED	✓	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	11	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) Amber Kuhaneck
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) AKuhaneck	(COMPANY) DTL Analytical
	GOOD CONDITION/CHILLED	✓	(TIME/DATE) 4/8/10	(TIME/DATE) 4/9/10 1000	(TIME/DATE) 4/9/10 1000
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 3.4°C Therm #: 57	Seals intact Shipped via FEDEX	

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

April 26, 2010

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

Order No: 1004122

TEL: (575) 678-3397
FAX: (575) 532-1587

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 1 sample(s) on 4/14/2010 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-09-1

Table of Contents

Miscellaneous Documents 3

Case Narrative 6

Sample Summary 8

Prep Dates Report 9

Analytical Dates Report 10

Sample Results 11

Analytical QC Summary Report 16

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~~000~~
002
#1004122

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 22
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Ignitability	DRO	VOCs	SVOCs	RCRA 8 metals						REMARKS
4-13-10	1020	STRC-0162-CS-001	Soil		2	X	X	X	X	X						Waste Characterization Composite

PROJECT INFORMATION	SAMPLES RECEIVED	1	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME) 4/14/10 9:15	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	yes	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	3.90	(TIME/ DATE) 4/13/10	(TIME/ DATE) 4/14/10 9:15	(TIME/ DATE)
VIA: FedEx ~~Lab Courier~~	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: ~~PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS~~ BTD		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

From: Origin ID: LRUA (575) 532-1526
Tera Parra
Zia EEC
755 S. Telshor Blvd.

Las Cruces, NM 88011

FedEx Express

Ship Date: 13APR10
ActWgt: 40.0 LB
CAD: 100557518/INET3010

Delivery Address Bar Code

Ref # LCS-09-015
Invoice #
PO # BG Z3
Dept #

SHIP TO: (512) 388-8222 BILL SENDER
John Dupont
DHL Analytical
2300 DOUBLE CREEK DR

ROUND ROCK, TX 78664

TRK# 0201 7934 4326 1980

WED - 14 APR A1
PRIORITY OVERNIGHT

78664
TX-US
AUS

XH BSMA

CUSTODY SEAL
DATE 4-13-10
SIGNATURE

QEC Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental

Date Received: 4/14/2010

'ork Order Number 1004122

Received by JB

Checklist completed by: Signature [signature] Date 4/14/10

Reviewed by Initials SS Date 4-14-10

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	3.9 °C
/ater - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Page 1 of 1

CLIENT:	Zia Engineering & Environmental	CASE NARRATIVE
Project:	SRC FFTA	
Lab Order:	1004122	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW8260B - Volatile Organics
Method SW8270CB - Semivolatile Organics (The compounds 1-Methylnaphthalene, Dibenz(a,j) acridine and 1-Chloronaphthalene are not NELAC Certified)
Method M8015D - Modified 8015 (DRO)
Method D2216 - Percent Moisture
Method SW7471A - Total Mercury
Method SW6020 - Trace Metals
Method SW1010 - Ignitability

LOG IN

Samples were received on and log-in performed on 4/14/2010. A total of 1 sample was received and was analyzed. The sample arrived in good condition and was properly packaged.

VOLATILES BY GC/MS

For Volatiles Analysis, the recovery of Carbon Disulfide in the Initial Calibration Verification (ICV-100415) was slightly above the method control limits. This is flagged in the QC Summary Report. This compound was within acceptable control limits in the associated LCS. No further corrective action was taken.

For Volatiles Analysis, the recovery of 1,1,2,2-Tetrachloroethane in the Laboratory Control Spike (LCS-40580) and the Matrix Spike (1004122-01 MS) was slightly above the method control limits. These are flagged in the enclosed QC Summary Report. This compound was within acceptable control limits in the associated ICV and Matrix Spike Duplicate. No further corrective action was taken.

SEMIVOLATILES BY GC/MS

For Semivolatiles Analysis, the recoveries of a few compounds in the Initial Calibration Verification (ICV-100420) were outside of the method control limits. This is flagged accordingly in the QC Summary Report. These compounds are within acceptable control limits in the associated LCS. No further corrective action was taken.

For Semivolatiles Analysis, the recoveries of a few compounds in the Laboratory Control Spike (LCS/ LCS2-40577) were outside of the method limits. This is flagged accordingly in the QC Summary Report. These compounds are within acceptable control limits in the associated ICV. No further corrective action was taken.

For Semivolatiles Analysis, the recoveries of several compounds in the Matrix Spike and Matrix Spike Duplicate (1004121-01 MS/MSD) were outside of the method control limits. Additionally, the RPD's of a

couple of compounds in the Matrix Spike Duplicate (1004121-01 MSD) were above the method control limit. These are flagged accordingly in the QC Summary Report. No further corrective action was taken.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Brad Davis of ZIA Requested the most recent bottle kit from Jennifer Barker of DHL: via email on 3/2/2010.
Kit sent on 3/2/2010 via Lonestar Overnight, arrive by 3/8/2010.
This sample delivery group arrives at DHL Analytical 4/14//2010. The sample summary, sent via email from Log-in to client on 4/14//2010, is kept in the project folder.

All hardcopies for the sample kit request, bill of lading for sample kit sent are kept in the project folder.

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004122

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1004122-01	STRC-0162-CS-001		04/13/10 10:20 AM	04/14/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004122

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1004122-01A	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	04/15/10 09:34 AM	40580
1004122-01B	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW3550B	Soil Prep Sonication: BNA	04/15/10 02:04 PM	40577
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW3550B	Soil Prep Sonication: BNA	04/15/10 02:04 PM	40577
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW3550B	Soil Prep Sonication: DRO	04/16/10 10:33 AM	40593
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW7471A	Mercury Soil Prep. Total	04/15/10 09:00 AM	40549
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/15/10 09:00 AM	40548
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	SW1010	Ignitibility Preparation	04/20/10 09:04 AM	40640
	STRC-0162-CS-001	04/13/10 10:20 AM	Soil	D2216	Moisture Preparation	04/21/10 09:00 AM	40658

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1004122

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1004122-01A	STRC-0162-CS-001	Soil	SW8260B	8260 Soil Volatiles by GC/MS	40580	1	04/15/10 02:09 PM	GCMS1_100415A
1004122-01B	STRC-0162-CS-001	Soil	SW1010	Ignitability	40640	1	04/20/10 04:15 PM	IGN_100420A
	STRC-0162-CS-001	Soil	D2216	Percent Moisture	40658	1	04/21/10 04:30 PM	PMOIST_100421A
	STRC-0162-CS-001	Soil	SW8270C	Semivolatiles by GC/MS - Soil	40577	1	04/18/10 06:32 PM	GCMS4_100418C
	STRC-0162-CS-001	Soil	SW8270C	Semivolatiles by GC/MS - Soil	40577	1	04/20/10 05:52 PM	GCMS4_100420C
	STRC-0162-CS-001	Soil	SW7471A	Total Mercury: Soil/Solid	40549	1	04/16/10 10:39 AM	CETAC_HG_100416B
	STRC-0162-CS-001	Soil	M8015D	TPH Extractable by GC - Soil	40593	1	04/16/10 12:45 PM	GC15_100416B
	STRC-0162-CS-001	Soil	SW6020	Trace Metals: ICP-MS - Solid	40548	5	04/22/10 12:43 PM	ICP-MS2_100422A

DHL Analytical

Date: 04/26/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 22
Lab Order: 1004122

Client Sample ID: STRC-0162-CS-001
Lab ID: 1004122-01
Collection Date: 04/13/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	<3.04	3.04	10.1		mg/Kg-dry	1	04/16/10 12:45 PM
Surr: Isopropylbenzene	70.7	0	47 - 142		%REC	1	04/16/10 12:45 PM
Surr: Octacosane	89.6	0	25 - 162		%REC	1	04/16/10 12:45 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	<0.0162	0.0162	0.0505		mg/Kg-dry	1	04/16/10 10:39 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.51	0.498	0.997		mg/Kg-dry	5	04/22/10 12:43 PM
Barium	92.7	0.498	1.99		mg/Kg-dry	5	04/22/10 12:43 PM
Cadmium	0.153	0.0997	0.299	J	mg/Kg-dry	5	04/22/10 12:43 PM
Chromium	9.39	0.498	1.99		mg/Kg-dry	5	04/22/10 12:43 PM
Lead	5.12	0.0997	0.299		mg/Kg-dry	5	04/22/10 12:43 PM
Selenium	1.67	0.150	0.498		mg/Kg-dry	5	04/22/10 12:43 PM
Silver	<0.0997	0.0997	0.199		mg/Kg-dry	5	04/22/10 12:43 PM
Semivolatiles by GC/MS - Soil		SW8270C					Analyst: DO
1,2,4,5-Tetrachlorobenzene	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1,2,4-Trichlorobenzene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1,2-Dichlorobenzene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1,2-Diphenylhydrazine	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1,3-Dichlorobenzene	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1,4-Dichlorobenzene	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
1-Chloronaphthalene	<0.0409	0.0409	0.136	N	mg/Kg-dry	1	04/18/10 06:32 PM
1-Methylnaphthalene	<0.0614	0.0614	0.136	N	mg/Kg-dry	1	04/20/10 05:52 PM
1-Naphthylamine	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
2,4,5-Trichlorophenol	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,4,6-Trichlorophenol	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,4-Dichlorophenol	<0.0819	0.0819	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,4-Dimethylphenol	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,4-Dinitrophenol	<0.0512	0.0512	0.676		mg/Kg-dry	1	04/20/10 05:52 PM
2,4-Dinitrotoluene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,6-Dichlorophenol	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2,6-Dinitrotoluene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Chloronaphthalene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Chlorophenol	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Methylnaphthalene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Methylphenol	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Naphthylamine	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
2-Nitroaniline	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Nitrophenol	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
2-Picoline	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
3,3'-Dichlorobenzidine	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
3-Methylcholanthrene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
3-Nitroaniline	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4,6-Dinitro-2-methylphenol	<0.0819	0.0819	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
4-Aminobiphenyl	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 22
Lab Order: 1004122

Client Sample ID: STRC-0162-CS-001
Lab ID: 1004122-01
Collection Date: 04/13/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
4-Bromophenyl phenyl ether	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4-Chloro-3-methylphenol	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4-Chloroaniline	<0.0512	0.0512	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
4-Chlorophenyl phenyl ether	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4-Methylphenol	<0.102	0.102	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4-Nitroaniline	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
4-Nitrophenol	<0.143	0.143	0.676		mg/Kg-dry	1	04/20/10 05:52 PM
7,12-Dimethylbenz(a)anthracene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Acenaphthene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Acenaphthylene	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Acetophenone	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Aniline	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Anthracene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzidine	<0.338	0.338	0.676		mg/Kg-dry	1	04/20/10 05:52 PM
Benzo[a]anthracene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzo[a]pyrene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzo[b]fluoranthene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzo[g,h,i]perylene	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzo[k]fluoranthene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Benzoic acid	<0.133	0.133	0.676		mg/Kg-dry	1	04/20/10 05:52 PM
Benzyl alcohol	<0.0409	0.0409	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Biphenyl	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Bis(2-chloroethoxy)methane	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Bis(2-chloroethyl)ether	<0.0102	0.0102	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Bis(2-chloroisopropyl)ether	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Bis(2-ethylhexyl)phthalate	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Butyl benzyl phthalate	<0.102	0.102	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Carbazole	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Chrysene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Di-n-butyl phthalate	<0.102	0.102	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Di-n-octyl phthalate	<0.102	0.102	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Dibenz(a,j)acridine	<0.0409	0.0409	0.136	N	mg/Kg-dry	1	04/18/10 06:32 PM
Dibenz[a,h]anthracene	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Dibenzofuran	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Diethyl phthalate	<0.102	0.102	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Dimethyl phthalate	<0.102	0.102	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Dimethylphenethylamine	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Diphenylamine	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Ethyl methanesulfonate	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Fluoranthene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Fluorene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Hexachlorobenzene	<0.0102	0.0102	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Hexachlorobutadiene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Hexachlorocyclopentadiene	<0.0614	0.0614	0.338		mg/Kg-dry	1	04/20/10 05:52 PM
Hexachloroethane	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 22
Lab Order: 1004122

Client Sample ID: STRC-0162-CS-001
Lab ID: 1004122-01
Collection Date: 04/13/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Indeno[1,2,3-cd]pyrene	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Isophorone	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Methyl methanesulfonate	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
N-Nitrosodi-n-propylamine	<0.0102	0.0102	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
N-Nitrosodimethylamine	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
N-Nitrosodiphenylamine	<0.0512	0.0512	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
N-Nitrosopiperidine	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Naphthalene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Nitrobenzene	<0.0717	0.0717	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
p-Dimethylaminoazobenzene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Pentachlorobenzene	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Pentachloronitrobenzene	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Pentachlorophenol	<0.0921	0.0921	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Phenacetin	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Phenanthrene	<0.0307	0.0307	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Phenol	<0.0614	0.0614	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Pronamide	<0.0409	0.0409	0.136		mg/Kg-dry	1	04/18/10 06:32 PM
Pyrene	<0.0205	0.0205	0.136		mg/Kg-dry	1	04/20/10 05:52 PM
Pyridine	<0.133	0.133	0.676		mg/Kg-dry	1	04/20/10 05:52 PM
Surr: 2,4,6-Tribromophenol	67.7	0	37 - 125		%REC	1	04/18/10 06:32 PM
Surr: 2,4,6-Tribromophenol	71.9	0	37 - 125		%REC	1	04/20/10 05:52 PM
Surr: 2-Fluorobiphenyl	67.2	0	60 - 135		%REC	1	04/20/10 05:52 PM
Surr: 2-Fluorobiphenyl	64.4	0	60 - 135		%REC	1	04/18/10 06:32 PM
Surr: 2-Fluorophenol	68.9	0	60 - 129		%REC	1	04/20/10 05:52 PM
Surr: 2-Fluorophenol	64.2	0	60 - 129		%REC	1	04/18/10 06:32 PM
Surr: 4-Terphenyl-d14	65.2	0	45 - 125		%REC	1	04/18/10 06:32 PM
Surr: 4-Terphenyl-d14	70.4	0	45 - 125		%REC	1	04/20/10 05:52 PM
Surr: Nitrobenzene-d5	64.7	0	40 - 125		%REC	1	04/18/10 06:32 PM
Surr: Nitrobenzene-d5	68.9	0	40 - 125		%REC	1	04/20/10 05:52 PM
Surr: Phenol-d6	63.7	0	40 - 125		%REC	1	04/20/10 05:52 PM
Surr: Phenol-d6	61.9	0	40 - 125		%REC	1	04/18/10 06:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1,1-Trichloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1,2,2-Tetrachloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1,2-Trichloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1-Dichloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1-Dichloroethene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,1-Dichloropropene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2,3-Trichlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2,3-Trichloropropane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2,4-Trichlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2,4-Trimethylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2-Dibromo-3-chloropropane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2-Dibromoethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 04/26/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 22
Lab Order: 1004122

Client Sample ID: STRC-0162-CS-001
Lab ID: 1004122-01
Collection Date: 04/13/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2-Dichloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,2-Dichloropropane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,3,5-Trimethylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,3-Dichlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,3-Dichloropropane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,4-Dichloro-2-butene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
1,4-Dichlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
2,2-Dichloropropane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
2-Butanone	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
2-Chloroethylvinylether	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
2-Chlorotoluene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
2-Hexanone	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
4-Chlorotoluene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
4-Methyl-2-pentanone	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
Acetone	<0.0154	0.0154	0.0513		mg/Kg-dry	1	04/15/10 02:09 PM
Acrylonitrile	<0.00308	0.00308	0.0103		mg/Kg-dry	1	04/15/10 02:09 PM
Benzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Bromobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Bromochloromethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Bromodichloromethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Bromoform	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Bromomethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Carbon disulfide	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Carbon tetrachloride	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Chlorobenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Chloroethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Chloroform	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Chloromethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
cis-1,2-Dichloroethene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
cis-1,3-Dichloropropene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Dibromochloromethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Dibromomethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Dichlorodifluoromethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Ethylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Hexachlorobutadiene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Iodomethane	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Isopropylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
m,p-Xylene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Methyl tert-butyl ether	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Methylene chloride	<0.00513	0.00513	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
n-Butylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
n-Propylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Naphthalene	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
o-Xylene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 22
Lab Order: 1004122

Client Sample ID: STRC-0162-CS-001
Lab ID: 1004122-01
Collection Date: 04/13/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
p-Isopropyltoluene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
sec-Butylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Styrene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
tert-Butylbenzene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Tetrachloroethene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Toluene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
trans-1,2-Dichloroethene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
trans-1,3-Dichloropropene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Trichloroethene	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Trichlorofluoromethane	<0.00513	0.00513	0.0154		mg/Kg-dry	1	04/15/10 02:09 PM
Vinyl chloride	<0.00103	0.00103	0.00513		mg/Kg-dry	1	04/15/10 02:09 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	04/15/10 02:09 PM
Surr: 4-Bromofluorobenzene	93.7	0	85 - 120		%REC	1	04/15/10 02:09 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	04/15/10 02:09 PM
Surr: Toluene-d8	94.1	0	85 - 115		%REC	1	04/15/10 02:09 PM
Ignitability		**SW1010**					**Analyst: SW**
Ignitability	>100	0	0		°C	1	04/20/10 04:15 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.53	0	0		WT%	1	04/21/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100416B

Sample ID:	LCS-40593	Batch ID:	40593		TestNo:		M8015D		Units:		mg/Kg
SampType:	LCS	Run ID:	GC15_100416B		Analysis Date:		04/16/10 12:09 PM		Prep Date:		04/16/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		91.9	10.0	125.0	0	73.5	50	114			
Surr: Isopropylbenzene		5.02		7.500		66.9	47	142			
Surr: Octacosane		6.62		7.500		88.3	25	162			

Sample ID:	MB-40593	Batch ID:	40593		TestNo:		M8015D		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC15_100416B		Analysis Date:		04/16/10 12:36 PM		Prep Date:		04/16/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		<3.00	10.0								
Surr: Isopropylbenzene		5.17		7.500		68.9	47	142			
Surr: Octacosane		6.84		7.500		91.2	25	162			

Sample ID:	1004122-01B-MS	Batch ID:	40593		TestNo:		M8015D		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC15_100416B		Analysis Date:		04/16/10 12:54 PM		Prep Date:		04/16/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		92.8	9.86	123.3	0	75.3	50	114			
Surr: Isopropylbenzene		5.10		7.398		69.0	47	142			
Surr: Octacosane		6.48		7.398		87.6	25	162			

Sample ID:	1004122-01B-MSD	Batch ID:	40593		TestNo:		M8015D		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100416B		Analysis Date:		04/16/10 01:03 PM		Prep Date:		04/16/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		95.3	10.1	126.7	0	75.3	50	114	2.64	30	
Surr: Isopropylbenzene		5.48		7.600		72.1	47	142	0	0	
Surr: Octacosane		6.78		7.600		89.2	25	162	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100416B

Sample ID:	ICV-100416	Batch ID:	R48943		TestNo:		M8015D		Units:		mg/Kg
SampType:	ICV	Run ID:	GC15_100416B		Analysis Date:		04/16/10 10:48 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		496	10.0	500.0	0	99.2	85	115			
Surr: Isopropylbenzene		24.4		25.00		97.7	47	142			
Surr: Octacosane		26.6		25.00		106	25	162			

Sample ID:	CCV1-100416	Batch ID:	R48943		TestNo:		M8015D		Units:		mg/Kg
SampType:	CCV	Run ID:	GC15_100416B		Analysis Date:		04/16/10 01:30 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		238	10.0	250.0	0	95.2	85	115			
Surr: Isopropylbenzene		11.7		12.50		93.5	47	142			
Surr: Octacosane		12.7		12.50		101	25	162			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100416B

Sample ID:	MB-40549	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:27 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		<0.0160	0.0500								

Sample ID:	LCS-40549	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:31 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.204	0.0500	0.2000	0	102	85	115			

Sample ID:	LCSD-40549	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:33 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.201	0.0500	0.2000	0	101	85	115	1.48	25	

Sample ID:	1004122-01B SD	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:41 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		<0.0808	0.253	0	0				0	10	

Sample ID:	1004122-01B PDS	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:43 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.273	0.0505	0.2526	0	108	85	115			

Sample ID:	1004122-01B MS	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:45 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.223	0.0508	0.2034	0	110	80	120			

Sample ID:	1004122-01B MSD	Batch ID:	40549		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:52 AM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.218	0.0506	0.2024	0	108	80	120	2.31	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100416B

Sample ID:	ICV-100416	Batch ID:	R48936		TestNo:		SW7471A		Units:		mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:23 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00378	0.0500	0.004000	0	94.5	90	110			

Sample ID:	CCV1-100416	Batch ID:	R48936		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 10:47 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00197	0.0500	0.002000	0	98.5	90	110			

Sample ID:	CCV2-100416	Batch ID:	R48936		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100416B		Analysis Date:		04/16/10 11:13 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00199	0.0500	0.002000	0	99.5	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100422A

Sample ID:	MB-40548	Batch ID:	40548		TestNo:		SW6020		Units:		mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:16 PM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<0.500	1.00								
Barium		<0.500	2.00								
Cadmium		<0.100	0.300								
Chromium		<0.500	2.00								
Lead		<0.100	0.300								
Selenium		<0.150	0.500								
Silver		<0.100	0.200								

Sample ID:	LCS-40548	Batch ID:	40548		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:22 PM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		49.0	1.00	50.00	0	97.9	80	120			
Barium		50.3	2.00	50.00	0	101	80	120			
Cadmium		48.8	0.300	50.00	0	97.7	80	120			
Chromium		52.6	2.00	50.00	0	105	80	120			
Lead		49.1	0.300	50.00	0	98.1	80	120			
Selenium		47.2	0.500	50.00	0	94.5	80	120			
Silver		49.5	0.200	50.00	0	99.0	80	120			

Sample ID:	LCSD-40548	Batch ID:	40548		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:27 PM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		49.6	1.00	50.00	0	99.3	80	120	1.42	20	
Barium		50.4	2.00	50.00	0	101	80	120	0.248	20	
Cadmium		48.8	0.300	50.00	0	97.6	80	120	0.154	20	
Chromium		51.4	2.00	50.00	0	103	80	120	2.36	20	
Lead		49.1	0.300	50.00	0	98.1	80	120	0	20	
Selenium		48.2	0.500	50.00	0	96.3	80	120	1.89	20	
Silver		49.5	0.200	50.00	0	99.0	80	120	0	20	

Sample ID:	1004122-01B SD	Batch ID:	40548		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:49 PM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<2.49	4.98	0	1.508				0	10	
Barium		90.4	9.97	0	92.67				2.45	10	
Cadmium		<0.498	1.50	0	0.1533				0	10	
Chromium		10.1	9.97	0	9.387				7.51	10	
Lead		5.18	1.50	0	5.116				1.16	10	
Selenium		1.61	2.49	0	1.670				3.85	10	
Silver		<0.498	0.997	0	0				0	10	

Sample ID:	1004122-01B PDS	Batch ID:	40548		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:54 PM		Prep Date:		04/15/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100422A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	51.7	0.997	49.84	1.508	101	75	125			
Barium	142	1.99	49.84	92.67	99.3	75	125			
Cadmium	47.8	0.299	49.84	0.1533	95.5	75	125			
Chromium	59.0	1.99	49.84	9.387	99.6	75	125			
Lead	53.7	0.299	49.84	5.116	97.4	75	125			
Selenium	48.7	0.498	49.84	1.670	94.4	75	125			
Silver	49.3	0.199	49.84	0	98.8	75	125			

Sample ID: 1004122-01B MS Batch ID: 40548 TestNo: SW6020 Units: mg/Kg-dry
SampType: MS Run ID: ICP-MS2_100422A Analysis Date: 04/22/10 01:00 PM Prep Date: 04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.9	0.978	48.90	1.508	94.9	80	120			
Barium	134	1.96	48.90	92.67	83.6	80	120			
Cadmium	47.9	0.293	48.90	0.1533	97.6	80	120			
Chromium	54.5	1.96	48.90	9.387	92.3	80	120			
Lead	53.3	0.293	48.90	5.116	98.5	80	120			
Selenium	44.8	0.489	48.90	1.670	88.2	80	120			
Silver	48.2	0.196	48.90	0	98.5	80	120			

Sample ID: 1004122-01B MSD Batch ID: 40548 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_100422A Analysis Date: 04/22/10 01:05 PM Prep Date: 04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.4	0.978	48.90	1.508	93.9	80	120	1.08	20	
Barium	146	1.96	48.90	92.67	109	80	120	8.87	20	
Cadmium	47.8	0.293	48.90	0.1533	97.5	80	120	0.102	20	
Chromium	55.1	1.96	48.90	9.387	93.6	80	120	1.11	20	
Lead	53.7	0.293	48.90	5.116	99.4	80	120	0.777	20	
Selenium	44.2	0.489	48.90	1.670	87.0	80	120	1.32	20	
Silver	47.3	0.196	48.90	0	96.6	80	120	1.90	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100422A

Sample ID:	ICV1-100422	Batch ID:	R49039		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 12:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.0997	0.00600	0.100	0	99.7	90	110			
Barium		0.0993	0.0100	0.100	0	99.3	90	110			
Cadmium		0.0965	0.00100	0.100	0	96.5	90	110			
Chromium		0.0980	0.00600	0.100	0	98.0	90	110			
Lead		0.0960	0.00100	0.100	0	96.0	90	110			
Selenium		0.0992	0.00600	0.100	0	99.2	90	110			
Silver		0.0982	0.00200	0.100	0	98.2	90	110			

Sample ID:	CCV1-100422	Batch ID:	R49039		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_100422A		Analysis Date:		04/22/10 01:10 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.198	0.00600	0.200	0	98.8	90	110			
Barium		0.201	0.0100	0.200	0	100	90	110			
Cadmium		0.195	0.00100	0.200	0	97.4	90	110			
Chromium		0.202	0.00600	0.200	0	101	90	110			
Lead		0.196	0.00100	0.200	0	98.2	90	110			
Selenium		0.193	0.00600	0.200	0	96.7	90	110			
Silver		0.189	0.00200	0.200	0	94.4	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100418C

Sample ID:	LCS2-40577	Batch ID:	40577	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS4_100418C	Analysis Date:	04/18/10 12:53 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1-Chloronaphthalene	1.09	0.133	1.340	0	81.6	40	125			N
1-Naphthylamine	0.647	0.133	1.340	0	48.3	40	125			
2-Naphthylamine	0.687	0.133	1.340	0	51.2	40	125			
2-Picoline	0.907	0.133	1.340	0	67.7	40	125			
3-Methylcholanthrene	1.26	0.133	1.340	0	94.0	40	125			
4-Aminobiphenyl	0.607	0.133	1.340	0	45.3	40	125			
7,12-Dimethylbenz(a)anthracene	1.63	0.133	1.340	0	122	40	125			
Dibenz(a,j)acridine	1.15	0.133	1.340	0	85.6	40	125			N
Dimethylphenethylamine	0.307	0.133	1.340	0	22.9	40	125			S
Diphenylamine	1.13	0.133	1.340	0	84.6	40	125			
Ethyl methanesulfonate	1.07	0.133	1.340	0	80.1	40	125			
Methyl methanesulfonate	1.11	0.133	1.340	0	82.6	40	125			
N-Nitrosopiperidine	1.19	0.133	1.340	0	88.6	40	125			
p-Dimethylaminoazobenzene	1.11	0.133	1.340	0	83.1	40	125			
Pentachloronitrobenzene	1.17	0.133	1.340	0	87.1	40	125			
Phenacetin	1.31	0.133	1.340	0	97.5	40	125			
Pronamide	1.13	0.133	1.340	0	84.6	40	125			
Surr: 2,4,6-Tribromophenol	1.89		2.680		70.6	45	138			
Surr: 2-Fluorobiphenyl	1.76		2.680		65.7	37	125			
Surr: 2-Fluorophenol	1.69		2.680		62.9	60	135			
Surr: 4-Terphenyl-d14	1.77		2.680		65.9	60	129			
Surr: Nitrobenzene-d5	1.75		2.680		65.2	45	125			
Surr: Phenol-d6	1.77		2.680		65.9	40	125			

Sample ID:	1004121-01B-MS	Batch ID:	40577	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS4_100418C	Analysis Date:	04/18/10 02:54 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1-Chloronaphthalene	1.20	0.140	1.408	0	85.6	40	125			N
1-Naphthylamine	0.434	0.140	1.408	0	30.8	40	125			S
2-Naphthylamine	0.581	0.140	1.408	0	41.3	40	125			
2-Picoline	0.897	0.140	1.408	0	63.7	40	125			
3-Methylcholanthrene	1.34	0.140	1.408	0	95.0	40	125			
4-Aminobiphenyl	0.350	0.140	1.408	0	24.9	40	125			S
7,12-Dimethylbenz(a)anthracene	1.51	0.140	1.408	0	107	40	125			
Dibenz(a,j)acridine	0.953	0.140	1.408	0	67.7	40	125			N
Dimethylphenethylamine	<0.0420	0.140	1.408	0	0	40	125			S
Diphenylamine	2.18	0.140	2.774	0	78.5	40	125			
Ethyl methanesulfonate	1.21	0.140	1.408	0	86.1	40	125			
Methyl methanesulfonate	1.27	0.140	1.408	0	90.5	40	125			
N-Nitrosopiperidine	1.29	0.140	1.408	0	91.5	40	125			
p-Dimethylaminoazobenzene	1.22	0.140	1.408	0	86.6	40	125			
Pentachloronitrobenzene	1.34	0.140	1.408	0	95.0	40	125			
Phenacetin	1.38	0.140	1.408	0	98.0	40	125			
Pronamide	1.30	0.140	1.408	0	92.0	40	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100418C

Surr: 2,4,6-Tribromophenol	2.02	2.816	71.9	45	138
Surr: 2-Fluorobiphenyl	1.84	2.816	65.4	37	125
Surr: 2-Fluorophenol	1.86	2.816	65.9	60	135
Surr: 4-Terphenyl-d14	1.80	2.816	63.9	60	129
Surr: Nitrobenzene-d5	1.87	2.816	66.4	45	125
Surr: Phenol-d6	1.81	2.816	64.4	40	125

Sample ID: 1004121-01B-MSD Batch ID: 40577 TestNo: SW8270C Units: mg/Kg-dry
SampType: MSD Run ID: GCMS4_100418C Analysis Date: 04/18/10 03:19 PM Prep Date: 04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1-Chloronaphthalene	1.16	0.141	1.423	0	81.6	40	125	3.72	30	N
1-Naphthylamine	0.439	0.141	1.423	0	30.8	40	125	1.05	30	S
2-Naphthylamine	0.580	0.141	1.423	0	40.8	40	125	0.166	30	
2-Picoline	0.885	0.141	1.423	0	62.2	40	125	1.33	30	
3-Methylcholanthrene	1.30	0.141	1.423	0	91.0	40	125	3.23	30	
4-Aminobiphenyl	0.297	0.141	1.423	0	20.9	40	125	16.4	30	S
7,12-Dimethylbenz(a)anthracene	1.37	0.141	1.423	0	96.0	40	125	9.74	30	
Dibenz(a,j)acridine	1.06	0.141	1.423	0	74.6	40	125	10.8	30	N
Dimethylphenethylamine	<0.0425	0.141	1.423	0	0	40	125	0	30	S
Diphenylamine	2.18	0.141	2.803	0	77.8	40	125	0.076	30	
Ethyl methanesulfonate	1.18	0.141	1.423	0	82.6	40	125	3.08	30	
Methyl methanesulfonate	1.24	0.141	1.423	0	87.1	40	125	2.88	30	
N-Nitrosopiperidine	1.30	0.141	1.423	0	91.5	40	125	1.05	30	
p-Dimethylaminoazobenzene	1.18	0.141	1.423	0	83.1	40	125	3.06	30	
Pentachloronitrobenzene	1.30	0.141	1.423	0	91.5	40	125	2.69	30	
Phenacetin	1.32	0.141	1.423	0	92.5	40	125	4.70	30	
Pronamide	1.27	0.141	1.423	0	89.6	40	125	1.69	30	
Surr: 2,4,6-Tribromophenol	2.00		2.846		70.4	45	138	0	0	
Surr: 2-Fluorobiphenyl	1.85		2.846		64.9	37	125	0	0	
Surr: 2-Fluorophenol	1.87		2.846		65.7	60	135	0	0	
Surr: 4-Terphenyl-d14	1.83		2.846		64.4	60	129	0	0	
Surr: Nitrobenzene-d5	1.95		2.846		68.7	45	125	0	0	
Surr: Phenol-d6	1.78		2.846		62.7	40	125	0	0	

Sample ID: MB-40577 Batch ID: 40577 TestNo: SW8270C Units: mg/Kg
SampType: MBLK Run ID: GCMS4_100418C Analysis Date: 04/18/10 05:43 PM Prep Date: 04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1-Chloronaphthalene	<0.0400	0.133								N
1-Naphthylamine	<0.0400	0.133								
2-Naphthylamine	<0.0400	0.133								
2-Picoline	<0.0500	0.133								
3-Methylcholanthrene	<0.0400	0.133								
4-Aminobiphenyl	<0.0400	0.133								
7,12-Dimethylbenz(a)anthracene	<0.0400	0.133								
Dibenz(a,j)acridine	<0.0400	0.133								N
Dimethylphenethylamine	<0.0400	0.133								
Diphenylamine	<0.0400	0.133								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100418C

Ethyl methanesulfonate	<0.0400	0.133				
Methyl methanesulfonate	<0.0400	0.133				
N-Nitrosopiperidine	<0.0400	0.133				
p-Dimethylaminoazobenzene	<0.0400	0.133				
Pentachloronitrobenzene	<0.0400	0.133				
Phenacetin	<0.0400	0.133				
Pronamide	<0.0400	0.133				
Surr: 2,4,6-Tribromophenol	1.79		2.680	66.9	45	138
Surr: 2-Fluorobiphenyl	1.71		2.680	63.7	37	125
Surr: 2-Fluorophenol	1.72		2.680	64.2	60	135
Surr: 4-Terphenyl-d14	1.75		2.680	65.4	60	129
Surr: Nitrobenzene-d5	1.81		2.680	67.4	45	125
Surr: Phenol-d6	1.65		2.680	61.4	40	125

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100418C

Sample ID:	ICV-100418	Batch ID:	R49050	TestNo:		SW8270C		Units:		mg/Kg	
SampType:	ICV	Run ID:	GCMS4_100418C	Analysis Date:		04/18/10 12:05 PM		Prep Date:			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1-Chloronaphthalene		3.85	0.133	4.000	0	96.2	80	120			N
1-Naphthylamine		4.15	0.133	4.000	0	104	80	120			
2-Naphthylamine		4.50	0.133	4.000	0	112	80	120			
2-Picoline		4.31	0.133	4.000	0	108	80	120			
3-Methylcholanthrene		4.20	0.133	4.000	0	105	80	120			
4-Aminobiphenyl		3.85	0.133	4.000	0	96.2	80	120			
7,12-Dimethylbenz(a)anthracene		4.42	0.133	4.000	0	110	80	120			
Dibenz(a,j)acridine		3.75	0.133	4.000	0	93.8	80	120			N
Dimethylphenethylamine		3.80	0.133	4.000	0	95.0	80	120			
Diphenylamine		3.89	0.133	4.000	0	97.2	80	120			
Ethyl methanesulfonate		3.59	0.133	4.000	0	89.8	80	120			
Methyl methanesulfonate		3.94	0.133	4.000	0	98.5	80	120			
N-Nitrosopiperidine		4.15	0.133	4.000	0	104	80	120			
p-Dimethylaminoazobenzene		3.87	0.133	4.000	0	96.8	80	120			
Pentachloronitrobenzene		4.17	0.133	4.000	0	104	80	120			
Phenacetin		3.96	0.133	4.000	0	99.0	80	120			
Pronamide		3.58	0.133	4.000	0	89.5	80	120			
Surr: 2,4,6-Tribromophenol		3.76		4.000		94.0	80	120			
Surr: 2-Fluorobiphenyl		3.81		4.000		95.2	80	120			
Surr: 2-Fluorophenol		4.50		4.000		112	80	120			
Surr: 4-Terphenyl-d14		3.66		4.000		91.5	80	120			
Surr: Nitrobenzene-d5		4.04		4.000		101	80	120			
Surr: Phenol-d6		4.13		4.000		103	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Sample ID:	LCS-40577	Batch ID:	40577		TestNo:		SW8270C		Units:		mg/Kg
SampType:	LCS	Run ID:	GCMS4_100420C		Analysis Date:		04/20/10 02:47 PM		Prep Date:		04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene		1.81	0.133	2.640	0	68.7	35	125			
1,2,4-Trichlorobenzene		0.833	0.133	1.340	0	62.2	45	110			
1,2-Dichlorobenzene		0.787	0.133	1.340	0	58.7	45	100			
1,2-Diphenylhydrazine		0.960	0.133	1.340	0	71.6	38	125			
1,3-Dichlorobenzene		0.767	0.133	1.340	0	57.2	40	100			
1,4-Dichlorobenzene		0.780	0.133	1.340	0	58.2	35	105			
1-Methylnaphthalene		1.03	0.133	1.340	0	77.1	45	105			N
2,4,5-Trichlorophenol		0.920	0.133	1.340	0	68.7	50	110			
2,4,6-Trichlorophenol		0.940	0.133	1.340	0	70.1	45	110			
2,4-Dichlorophenol		0.973	0.133	1.340	0	72.6	45	110			
2,4-Dimethylphenol		1.49	0.133	1.340	0	111	30	105			S
2,4-Dinitrophenol		1.07	0.660	1.340	0	79.6	15	130			
2,4-Dinitrotoluene		0.900	0.133	1.340	0	67.2	50	115			
2,6-Dichlorophenol		1.00	0.133	1.340	0	74.6	35	125			
2,6-Dinitrotoluene		0.867	0.133	1.340	0	64.7	50	110			
2-Chloronaphthalene		1.05	0.133	1.340	0	78.1	45	105			
2-Chlorophenol		1.02	0.133	1.340	0	76.1	45	105			
2-Methylnaphthalene		0.900	0.133	1.340	0	67.2	45	105			
2-Methylphenol		1.09	0.133	1.340	0	81.6	40	105			
2-Nitroaniline		0.880	0.133	1.340	0	65.7	45	120			
2-Nitrophenol		1.03	0.133	1.340	0	77.1	40	110			
3,3´-Dichlorobenzidine		0.813	0.133	1.340	0	60.7	25	128			
3-Nitroaniline		0.900	0.133	1.340	0	67.2	25	110			
4,6-Dinitro-2-methylphenol		1.15	0.330	1.340	0	86.1	30	135			
4-Bromophenyl phenyl ether		0.893	0.133	1.340	0	66.7	45	115			
4-Chloro-3-methylphenol		0.880	0.133	1.340	0	65.7	45	115			
4-Chloroaniline		0.533	0.330	1.340	0	39.8	25	125			
4-Chlorophenyl phenyl ether		0.833	0.133	1.340	0	62.2	45	110			
4-Methylphenol		1.05	0.133	1.340	0	78.6	40	105			
4-Nitroaniline		0.800	0.133	1.340	0	59.7	35	115			
4-Nitrophenol		1.09	0.660	1.340	0	81.1	15	140			
Acenaphthene		0.873	0.133	1.340	0	65.2	45	110			
Acenaphthylene		0.927	0.133	1.340	0	69.2	45	105			
Acetophenone		0.847	0.133	1.340	0	63.2	40	125			
Aniline		0.647	0.133	1.340	0	48.3	40	125			
Anthracene		0.933	0.133	1.340	0	69.7	55	105			
Benzidine		0.313	0.660	1.340	0	23.4	20	125			
Benzo[a]anthracene		0.953	0.133	1.340	0	71.1	50	110			
Benzo[a]pyrene		0.913	0.133	1.340	0	68.2	50	110			
Benzo[b]fluoranthene		0.940	0.133	1.340	0	70.1	45	115			
Benzo[g,h,i]perylene		0.913	0.133	1.340	0	68.2	40	125			
Benzo[k]fluoranthene		0.933	0.133	1.340	0	69.7	45	125			
Benzoic acid		0.580	0.660	1.340	0	43.3	25	125			
Benzyl alcohol		0.873	0.330	1.340	0	65.2	20	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Biphenyl	0.880	0.133	1.340	0	65.7	60	140
Bis(2-chloroethoxy)methane	0.893	0.133	1.340	0	66.7	45	110
Bis(2-chloroethyl)ether	0.867	0.133	1.340	0	64.7	40	105
Bis(2-chloroisopropyl)ether	0.907	0.133	1.340	0	67.7	20	115
Bis(2-ethylhexyl)phthalate	0.900	0.133	1.340	0	67.2	45	125
Butyl benzyl phthalate	0.927	0.330	1.340	0	69.2	50	125
Carbazole	0.953	0.133	1.340	0	71.1	45	115
Chrysene	0.947	0.133	1.340	0	70.6	55	110
Di-n-butyl phthalate	0.980	0.330	1.340	0	73.1	55	110
Di-n-octyl phthalate	0.913	0.330	1.340	0	68.2	40	130
Dibenz[a,h]anthracene	0.927	0.133	1.340	0	69.2	40	125
Dibenzofuran	0.880	0.133	1.340	0	65.7	50	105
Diethyl phthalate	0.853	0.330	1.340	0	63.7	50	115
Dimethyl phthalate	0.833	0.330	1.340	0	62.2	50	110
Fluoranthene	0.933	0.133	1.340	0	69.7	55	115
Fluorene	0.840	0.133	1.340	0	62.7	50	110
Hexachlorobenzene	0.893	0.133	1.340	0	66.7	45	120
Hexachlorobutadiene	0.800	0.133	1.340	0	59.7	40	115
Hexachlorocyclopentadiene	0.933	0.330	1.340	0	69.7	34	125
Hexachloroethane	0.780	0.133	1.340	0	58.2	35	110
Indeno[1,2,3-cd]pyrene	0.920	0.133	1.340	0	68.7	40	120
Isophorone	0.900	0.133	1.340	0	67.2	45	110
N-Nitrosodi-n-propylamine	0.907	0.133	1.340	0	67.7	40	115
N-Nitrosodimethylamine	0.833	0.133	1.340	0	62.2	20	115
N-Nitrosodiphenylamine	1.99	0.133	2.640	0	75.3	50	115
Naphthalene	0.887	0.133	1.340	0	66.2	40	105
Nitrobenzene	0.900	0.133	1.340	0	67.2	40	115
Pentachlorobenzene	2.05	0.133	2.640	0	77.8	35	125
Pentachlorophenol	1.05	0.133	1.340	0	78.1	25	120
Phenanthrene	0.887	0.133	1.340	0	66.2	50	110
Phenol	1.11	0.133	1.340	0	82.6	40	100
Pyrene	0.853	0.133	1.340	0	63.7	45	125
Pyridine	0.647	0.660	1.340	0	48.3	20	125
Surr: 2,4,6-Tribromophenol	2.03		2.680		75.9	45	138
Surr: 2-Fluorobiphenyl	1.96		2.680		73.1	37	125
Surr: 2-Fluorophenol	2.06		2.680		76.9	60	135
Surr: 4-Terphenyl-d14	1.93		2.680		72.1	60	129
Surr: Nitrobenzene-d5	1.95		2.680		72.9	45	125
Surr: Phenol-d6	1.98		2.680		73.9	40	125

Sample ID:	1004121-01B-MS	Batch ID:	40577	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS4_100420C	Analysis Date:	04/20/10 03:38 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	2.28	0.140	2.774	0	82.3	35	125			
1,2,4-Trichlorobenzene	0.904	0.140	1.408	0	64.2	45	110			
1,2-Dichlorobenzene	0.848	0.140	1.408	0	60.2	45	100			
1,2-Diphenylhydrazine	1.02	0.140	1.408	0	72.1	38	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

1,3-Dichlorobenzene	0.827	0.140	1.408	0	58.7	40	100	
1,4-Dichlorobenzene	0.841	0.140	1.408	0	59.7	35	105	
1-Methylnaphthalene	1.02	0.140	1.408	0	72.1	45	105	N
2,4,5-Trichlorophenol	0.988	0.140	1.408	0	70.1	50	110	
2,4,6-Trichlorophenol	1.00	0.140	1.408	0	71.1	45	110	
2,4-Dichlorophenol	0.869	0.140	1.408	0	61.7	45	110	
2,4-Dimethylphenol	1.37	0.140	1.408	0	97.0	30	105	
2,4-Dinitrophenol	0.960	0.694	1.408	0	68.2	15	130	
2,4-Dinitrotoluene	1.00	0.140	1.408	0	71.1	50	115	
2,6-Dichlorophenol	0.967	0.140	1.408	0	68.7	35	125	
2,6-Dinitrotoluene	0.974	0.140	1.408	0	69.2	50	110	
2-Chloronaphthalene	1.11	0.140	1.408	0	79.1	45	105	
2-Chlorophenol	1.04	0.140	1.408	0	73.6	45	105	
2-Methylnaphthalene	0.932	0.140	1.408	0	66.2	45	105	
2-Methylphenol	1.06	0.140	1.408	0	75.1	40	105	
2-Nitroaniline	1.00	0.140	1.408	0	71.1	45	120	
2-Nitrophenol	1.01	0.140	1.408	0	71.6	40	110	
3,3'-Dichlorobenzidine	0.785	0.140	1.408	0	55.7	25	128	
3-Nitroaniline	0.897	0.140	1.408	0	63.7	25	110	
4,6-Dinitro-2-methylphenol	1.06	0.347	1.408	0	75.1	30	135	
4-Bromophenyl phenyl ether	0.967	0.140	1.408	0	68.7	45	115	
4-Chloro-3-methylphenol	0.890	0.140	1.408	0	63.2	45	115	
4-Chloroaniline	0.476	0.347	1.408	0	33.8	25	125	
4-Chlorophenyl phenyl ether	0.946	0.140	1.408	0	67.2	45	110	
4-Methylphenol	1.00	0.140	1.408	0	71.1	40	105	
4-Nitroaniline	0.953	0.140	1.408	0	67.7	35	115	
4-Nitrophenol	1.22	0.694	1.408	0	86.6	15	140	
Acenaphthene	0.960	0.140	1.408	0	68.2	45	110	
Acenaphthylene	0.953	0.140	1.408	0	67.7	45	105	
Acetophenone	1.86	0.140	1.408	0	132	40	125	S
Aniline	0.750	0.140	1.408	0	53.2	40	125	
Anthracene	1.00	0.140	1.408	0	71.1	55	105	
Benzidine	<0.347	0.694	1.408	0	0	20	125	S
Benzo[a]anthracene	1.03	0.140	1.408	0	73.1	50	110	
Benzo[a]pyrene	1.02	0.140	1.408	0	72.1	50	110	
Benzo[b]fluoranthene	1.01	0.140	1.408	0	71.6	45	115	
Benzo[g,h,i]perylene	1.04	0.140	1.408	0	73.6	40	125	
Benzo[k]fluoranthene	1.04	0.140	1.408	0	74.1	45	125	
Benzoic acid	0.918	0.694	1.408	0	65.2	25	125	
Benzyl alcohol	0.981	0.347	1.408	0	69.7	20	125	
Biphenyl	0.995	0.140	1.408	0	70.6	60	140	
Bis(2-chloroethoxy)methane	0.981	0.140	1.408	0	69.7	45	110	
Bis(2-chloroethyl)ether	0.939	0.140	1.408	0	66.7	40	105	
Bis(2-chloroisopropyl)ether	1.00	0.140	1.408	0	71.1	20	115	
Bis(2-ethylhexyl)phthalate	0.960	0.140	1.408	0	68.2	45	125	
Butyl benzyl phthalate	0.988	0.347	1.408	0	70.1	50	125	
Carbazole	1.08	0.140	1.408	0	76.6	45	115	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Chrysene	1.02	0.140	1.408	0.03542	70.1	55	110
Di-n-butyl phthalate	1.08	0.347	1.408	0	76.6	55	110
Di-n-octyl phthalate	1.02	0.347	1.408	0	72.6	40	130
Dibenz[a,h]anthracene	1.04	0.140	1.408	0	74.1	40	125
Dibenzofuran	0.988	0.140	1.408	0	70.1	50	105
Diethyl phthalate	0.995	0.347	1.408	0	70.6	50	115
Dimethyl phthalate	0.960	0.347	1.408	0	68.2	50	110
Fluoranthene	1.11	0.140	1.408	0.06375	74.1	55	115
Fluorene	0.946	0.140	1.408	0	67.2	50	110
Hexachlorobenzene	0.946	0.140	1.408	0	67.2	45	120
Hexachlorobutadiene	0.904	0.140	1.408	0	64.2	40	115
Hexachlorocyclopentadiene	1.18	0.347	1.408	0	84.1	34	125
Hexachloroethane	0.855	0.140	1.408	0	60.7	35	110
Indeno[1,2,3-cd]pyrene	1.04	0.140	1.408	0	74.1	40	120
Isophorone	1.04	0.140	1.408	0	74.1	45	110
N-Nitrosodi-n-propylamine	0.988	0.140	1.408	0	70.1	40	115
N-Nitrosodimethylamine	0.904	0.140	1.408	0	64.2	20	115
N-Nitrosodiphenylamine	2.08	0.140	2.774	0	75.0	50	115
Naphthalene	0.981	0.140	1.408	0	69.7	40	105
Nitrobenzene	0.995	0.140	1.408	0	70.6	40	115
Pentachlorobenzene	2.59	0.140	2.774	0	93.4	35	125
Pentachlorophenol	1.16	0.140	1.408	0	82.1	25	120
Phenanthrene	1.00	0.140	1.408	0.04250	68.1	50	110
Phenol	1.06	0.140	1.408	0	75.6	40	100
Pyrene	0.995	0.140	1.408	0.04958	67.1	45	125
Pyridine	0.651	0.694	1.408	0	46.3	20	125
Surr: 2,4,6-Tribromophenol	2.13		2.816		75.6	45	138
Surr: 2-Fluorobiphenyl	2.03		2.816		72.1	37	125
Surr: 2-Fluorophenol	2.00		2.816		70.9	60	135
Surr: 4-Terphenyl-d14	2.03		2.816		72.1	60	129
Surr: Nitrobenzene-d5	2.06		2.816		73.1	45	125
Surr: Phenol-d6	1.94		2.816		68.9	40	125

Sample ID:	1004121-01B-MSD	Batch ID:	40577	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GCMS4_100420C	Analysis Date:	04/20/10 04:02 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	1.93	0.141	2.803	0	68.9	35	125	16.7	30	
1,2,4-Trichlorobenzene	0.765	0.141	1.423	0	53.7	45	110	16.7	30	
1,2-Dichlorobenzene	0.708	0.141	1.423	0	49.8	45	100	18.0	30	
1,2-Diphenylhydrazine	0.842	0.141	1.423	0	59.2	38	125	18.7	30	
1,3-Dichlorobenzene	0.680	0.141	1.423	0	47.8	40	100	19.5	30	
1,4-Dichlorobenzene	0.708	0.141	1.423	0	49.8	35	105	17.1	30	
1-Methylnaphthalene	0.871	0.141	1.423	0	61.2	45	105	15.4	30	N
2,4,5-Trichlorophenol	0.920	0.141	1.423	0	64.7	50	110	7.07	30	
2,4,6-Trichlorophenol	0.906	0.141	1.423	0	63.7	45	110	10.0	30	
2,4-Dichlorophenol	0.779	0.141	1.423	0	54.7	45	110	10.9	30	
2,4-Dimethylphenol	1.17	0.141	1.423	0	82.1	30	105	15.6	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

2,4-Dinitrophenol	0.637	0.701	1.423	0	44.8	15	130	40.4	30	R
2,4-Dinitrotoluene	0.878	0.141	1.423	0	61.7	50	115	13.2	30	
2,6-Dichlorophenol	0.821	0.141	1.423	0	57.7	35	125	16.3	30	
2,6-Dinitrotoluene	0.835	0.141	1.423	0	58.7	50	110	15.3	30	
2-Chloronaphthalene	0.934	0.141	1.423	0	65.7	45	105	17.5	30	
2-Chlorophenol	0.885	0.141	1.423	0	62.2	45	105	15.8	30	
2-Methylnaphthalene	0.765	0.141	1.423	0	53.7	45	105	19.7	30	
2-Methylphenol	0.885	0.141	1.423	0	62.2	40	105	17.8	30	
2-Nitroaniline	0.864	0.141	1.423	0	60.7	45	120	14.8	30	
2-Nitrophenol	0.842	0.141	1.423	0	59.2	40	110	18.0	30	
3,3′-Dichlorobenzidine	0.743	0.141	1.423	0	52.2	25	128	5.41	30	
3-Nitroaniline	0.828	0.141	1.423	0	58.2	25	110	7.94	30	
4,6-Dinitro-2-methylphenol	0.765	0.350	1.423	0	53.7	30	135	32.2	30	R
4-Bromophenyl phenyl ether	0.793	0.141	1.423	0	55.7	45	115	19.8	30	
4-Chloro-3-methylphenol	0.814	0.141	1.423	0	57.2	45	115	8.87	30	
4-Chloroaniline	0.496	0.350	1.423	0	34.8	25	125	3.94	30	
4-Chlorophenyl phenyl ether	0.814	0.141	1.423	0	57.2	45	110	15.0	30	
4-Methylphenol	0.842	0.141	1.423	0	59.2	40	105	17.3	30	
4-Nitroaniline	0.864	0.141	1.423	0	60.7	35	115	9.81	30	
4-Nitrophenol	1.03	0.701	1.423	0	72.1	15	140	17.1	30	
Acenaphthene	0.814	0.141	1.423	0	57.2	45	110	16.4	30	
Acenaphthylene	0.807	0.141	1.423	0	56.7	45	105	16.6	30	
Acetophenone	1.64	0.141	1.423	0	115	40	125	12.7	30	
Aniline	0.609	0.141	1.423	0	42.8	40	125	20.7	30	
Anthracene	0.842	0.141	1.423	0	59.2	55	105	17.3	30	
Benzidine	<0.350	0.701	1.423	0	0	20	125	0	30	S
Benzo[a]anthracene	0.878	0.141	1.423	0	61.7	50	110	15.9	30	
Benzo[a]pyrene	0.857	0.141	1.423	0	60.2	50	110	17.0	30	
Benzo[b]fluoranthene	0.864	0.141	1.423	0	60.7	45	115	15.5	30	
Benzo[g,h,i]perylene	0.828	0.141	1.423	0	58.2	40	125	22.4	30	
Benzo[k]fluoranthene	0.857	0.141	1.423	0	60.2	45	125	19.7	30	
Benzoic acid	0.743	0.701	1.423	0	52.2	25	125	21.0	30	
Benzyl alcohol	0.765	0.350	1.423	0	53.7	20	125	24.8	30	
Biphenyl	0.849	0.141	1.423	0	59.7	60	140	15.8	30	
Bis(2-chloroethoxy)methane	0.835	0.141	1.423	0	58.7	45	110	16.0	30	
Bis(2-chloroethyl)ether	0.779	0.141	1.423	0	54.7	40	105	18.6	30	
Bis(2-chloroisopropyl)ether	0.842	0.141	1.423	0	59.2	20	115	17.3	30	
Bis(2-ethylhexyl)phthalate	0.828	0.141	1.423	0	58.2	45	125	14.7	30	
Butyl benzyl phthalate	0.835	0.350	1.423	0	58.7	50	125	16.7	30	
Carbazole	0.871	0.141	1.423	0	61.2	45	115	21.3	30	
Chrysene	0.878	0.141	1.423	0.03542	59.2	55	110	15.3	30	
Di-n-butyl phthalate	0.885	0.350	1.423	0	62.2	55	110	19.8	30	
Di-n-octyl phthalate	0.864	0.350	1.423	0	60.7	40	130	16.9	30	
Dibenz[a,h]anthracene	0.857	0.141	1.423	0	60.2	40	125	19.7	30	
Dibenzofuran	0.842	0.141	1.423	0	59.2	50	105	15.9	30	
Diethyl phthalate	0.878	0.350	1.423	0	61.7	50	115	12.5	30	
Dimethyl phthalate	0.828	0.350	1.423	0	58.2	50	110	14.7	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Fluoranthene	0.871	0.141	1.423	0.06375	56.7	55	115	23.9	30
Fluorene	0.821	0.141	1.423	0	57.7	50	110	14.1	30
Hexachlorobenzene	0.793	0.141	1.423	0	55.7	45	120	17.6	30
Hexachlorobutadiene	0.750	0.141	1.423	0	52.7	40	115	18.5	30
Hexachlorocyclopentadiene	0.913	0.350	1.423	0	64.2	34	125	25.8	30
Hexachloroethane	0.722	0.141	1.423	0	50.7	35	110	16.8	30
Indeno[1,2,3-cd]pyrene	0.849	0.141	1.423	0	59.7	40	120	20.5	30
Isophorone	0.885	0.141	1.423	0	62.2	45	110	16.5	30
N-Nitrosodi-n-propylamine	0.828	0.141	1.423	0	58.2	40	115	17.6	30
N-Nitrosodimethylamine	0.694	0.141	1.423	0	48.8	20	115	26.3	30
N-Nitrosodiphenylamine	1.81	0.141	2.803	0	64.4	50	115	14.2	30
Naphthalene	0.821	0.141	1.423	0	57.7	40	105	17.7	30
Nitrobenzene	0.842	0.141	1.423	0	59.2	40	115	16.6	30
Pentachlorobenzene	2.16	0.141	2.803	0	77.0	35	125	18.2	30
Pentachlorophenol	0.934	0.141	1.423	0	65.7	25	120	21.2	30
Phenanthrene	0.835	0.141	1.423	0.04250	55.7	50	110	18.1	30
Phenol	0.906	0.141	1.423	0	63.7	40	100	16.1	30
Pyrene	0.849	0.141	1.423	0.04958	56.2	45	125	15.8	30
Pyridine	0.481	0.701	1.423	0	33.8	20	125	30.0	30
Surr: 2,4,6-Tribromophenol	1.79		2.846		62.9	45	138	0	0
Surr: 2-Fluorobiphenyl	1.73		2.846		60.7	37	125	0	0
Surr: 2-Fluorophenol	1.73		2.846		60.7	60	135	0	0
Surr: 4-Terphenyl-d14	1.76		2.846		61.7	60	129	0	0
Surr: Nitrobenzene-d5	1.78		2.846		62.7	45	125	0	0
Surr: Phenol-d6	1.64		2.846		57.5	40	125	0	0

Sample ID:	MB-40577	Batch ID:	40577	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS4_100420C	Analysis Date:	04/20/10 05:28 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	<0.0600	0.133								
1,2,4-Trichlorobenzene	<0.0200	0.133								
1,2-Dichlorobenzene	<0.0300	0.133								
1,2-Diphenylhydrazine	<0.0600	0.133								
1,3-Dichlorobenzene	<0.0500	0.133								
1,4-Dichlorobenzene	<0.0500	0.133								
1-Methylnaphthalene	<0.0600	0.133								N
2,4,5-Trichlorophenol	<0.0700	0.133								
2,4,6-Trichlorophenol	<0.0600	0.133								
2,4-Dichlorophenol	<0.0800	0.133								
2,4-Dimethylphenol	<0.0600	0.133								
2,4-Dinitrophenol	<0.0500	0.660								
2,4-Dinitrotoluene	<0.0300	0.133								
2,6-Dichlorophenol	<0.0600	0.133								
2,6-Dinitrotoluene	<0.0300	0.133								
2-Chloronaphthalene	<0.0400	0.133								
2-Chlorophenol	<0.0700	0.133								
2-Methylnaphthalene	<0.0200	0.133								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

2-Methylphenol	<0.0700	0.133
2-Nitroaniline	<0.0500	0.133
2-Nitrophenol	<0.0700	0.133
3,3′-Dichlorobenzidine	<0.0700	0.133
3-Nitroaniline	<0.0400	0.133
4,6-Dinitro-2-methylphenol	<0.0800	0.330
4-Bromophenyl phenyl ether	<0.0300	0.133
4-Chloro-3-methylphenol	<0.0600	0.133
4-Chloroaniline	<0.0500	0.330
4-Chlorophenyl phenyl ether	<0.0300	0.133
4-Methylphenol	<0.100	0.133
4-Nitroaniline	<0.0700	0.133
4-Nitrophenol	<0.140	0.660
Acenaphthene	<0.0400	0.133
Acenaphthylene	<0.0500	0.133
Acetophenone	<0.0400	0.133
Aniline	<0.0400	0.133
Anthracene	<0.0200	0.133
Benzidine	<0.330	0.660
Benzo[a]anthracene	<0.0200	0.133
Benzo[a]pyrene	<0.0300	0.133
Benzo[b]fluoranthene	<0.0300	0.133
Benzo[g,h,i]perylene	<0.0600	0.133
Benzo[k]fluoranthene	<0.0400	0.133
Benzoic acid	<0.130	0.660
Benzyl alcohol	<0.0400	0.330
Biphenyl	<0.0400	0.133
Bis(2-chloroethoxy)methane	<0.0500	0.133
Bis(2-chloroethyl)ether	<0.0100	0.133
Bis(2-chloroisopropyl)ether	<0.0400	0.133
Bis(2-ethylhexyl)phthalate	<0.0500	0.133
Butyl benzyl phthalate	<0.100	0.330
Carbazole	<0.0400	0.133
Chrysene	<0.0300	0.133
Di-n-butyl phthalate	<0.100	0.330
Di-n-octyl phthalate	<0.100	0.330
Dibenz[a,h]anthracene	<0.0500	0.133
Dibenzofuran	<0.0400	0.133
Diethyl phthalate	<0.100	0.330
Dimethyl phthalate	<0.100	0.330
Fluoranthene	<0.0200	0.133
Fluorene	<0.0300	0.133
Hexachlorobenzene	<0.0100	0.133
Hexachlorobutadiene	<0.0300	0.133
Hexachlorocyclopentadiene	<0.0600	0.330
Hexachloroethane	<0.0500	0.133
Indeno[1,2,3-cd]pyrene	<0.0500	0.133

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Isophorone	<0.0400	0.133				
N-Nitrosodi-n-propylamine	<0.0100	0.133				
N-Nitrosodimethylamine	<0.0600	0.133				
N-Nitrosodiphenylamine	<0.0500	0.133				
Naphthalene	<0.0400	0.133				
Nitrobenzene	<0.0700	0.133				
Pentachlorobenzene	<0.0600	0.133				
Pentachlorophenol	<0.0900	0.133				
Phenanthrene	<0.0300	0.133				
Phenol	<0.0600	0.133				
Pyrene	<0.0200	0.133				
Pyridine	<0.130	0.660				
Surr: 2,4,6-Tribromophenol	1.74		2.680	64.9	45	138
Surr: 2-Fluorobiphenyl	1.58		2.680	59.0	37	125
Surr: 2-Fluorophenol	1.71		2.680	63.7	60	135
Surr: 4-Terphenyl-d14	1.73		2.680	64.4	60	129
Surr: Nitrobenzene-d5	1.73		2.680	64.4	45	125
Surr: Phenol-d6	1.55		2.680	58.0	40	125

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Sample ID:	ICV-100420	Batch ID:	R49069		TestNo:		SW8270C		Units:		mg/Kg
SampType:	ICV	Run ID:	GCMS4_100420C		Analysis Date:		04/20/10 02:22 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene		5.08	0.133	4.000	0	127	80	120			S
1,2,4-Trichlorobenzene		3.30	0.133	4.000	0	82.5	80	120			
1,2-Dichlorobenzene		3.24	0.133	4.000	0	81.0	80	120			
1,2-Diphenylhydrazine		3.47	0.133	4.000	0	86.8	80	120			
1,3-Dichlorobenzene		3.29	0.133	4.000	0	82.2	80	120			
1,4-Dichlorobenzene		3.25	0.133	4.000	0	81.2	80	120			
1-Methylnaphthalene		3.68	0.133	4.000	0	92.0	80	120			N
2,4,5-Trichlorophenol		3.46	0.133	4.000	0	86.5	80	120			
2,4,6-Trichlorophenol		3.50	0.133	4.000	0	87.5	80	120			
2,4-Dichlorophenol		3.41	0.133	4.000	0	85.2	80	120			
2,4-Dimethylphenol		4.28	0.133	4.000	0	107	80	120			
2,4-Dinitrophenol		3.45	0.660	4.000	0	86.2	80	120			
2,4-Dinitrotoluene		3.56	0.133	4.000	0	89.0	80	120			
2,6-Dichlorophenol		3.52	0.133	4.000	0	88.0	80	120			
2,6-Dinitrotoluene		3.53	0.133	4.000	0	88.2	80	120			
2-Chloronaphthalene		3.32	0.133	4.000	0	83.0	80	120			
2-Chlorophenol		3.75	0.133	4.000	0	93.8	80	120			
2-Methylnaphthalene		3.40	0.133	4.000	0	85.0	80	120			
2-Methylphenol		3.77	0.133	4.000	0	94.2	80	120			
2-Nitroaniline		3.44	0.133	4.000	0	86.0	80	120			
2-Nitrophenol		3.72	0.133	4.000	0	93.0	80	120			
3,3′-Dichlorobenzidine		5.21	0.133	4.000	0	130	80	120			S
3-Nitroaniline		3.34	0.133	4.000	0	83.5	80	120			
4,6-Dinitro-2-methylphenol		3.67	0.330	4.000	0	91.8	80	120			
4-Bromophenyl phenyl ether		3.48	0.133	4.000	0	87.0	80	120			
4-Chloro-3-methylphenol		3.41	0.133	4.000	0	85.2	80	120			
4-Chloroaniline		3.30	0.330	4.000	0	82.5	80	120			
4-Chlorophenyl phenyl ether		3.32	0.133	4.000	0	83.0	80	120			
4-Methylphenol		3.64	0.133	4.000	0	91.0	80	120			
4-Nitroaniline		3.57	0.133	4.000	0	89.2	80	120			
4-Nitrophenol		3.61	0.660	4.000	0	90.2	80	120			
Acenaphthene		3.25	0.133	4.000	0	81.2	80	120			
Acenaphthylene		3.24	0.133	4.000	0	81.0	80	120			
Acetophenone		3.35	0.133	4.000	0	83.8	80	120			
Aniline		3.89	0.133	4.000	0	97.2	80	120			
Anthracene		3.28	0.133	4.000	0	82.0	80	120			
Benzidine		4.22	0.660	4.000	0	106	80	120			
Benzo[a]anthracene		3.61	0.133	4.000	0	90.2	80	120			
Benzo[a]pyrene		3.43	0.133	4.000	0	85.8	80	120			
Benzo[b]fluoranthene		3.51	0.133	4.000	0	87.8	80	120			
Benzo[g,h,i]perylene		3.59	0.133	4.000	0	89.8	80	120			
Benzo[k]fluoranthene		3.41	0.133	4.000	0	85.2	80	120			
Benzoic acid		3.26	0.660	4.000	0	81.5	80	120			
Benzyl alcohol		3.38	0.330	4.000	0	84.5	80	120			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100420C

Biphenyl	3.29	0.133	4.000	0	82.2	80	120	
Bis(2-chloroethoxy)methane	3.41	0.133	4.000	0	85.2	80	120	
Bis(2-chloroethyl)ether	3.39	0.133	4.000	0	84.8	80	120	
Bis(2-chloroisopropyl)ether	3.53	0.133	4.000	0	88.2	80	120	
Bis(2-ethylhexyl)phthalate	3.44	0.133	4.000	0	86.0	80	120	
Butyl benzyl phthalate	3.45	0.330	4.000	0	86.2	80	120	
Carbazole	3.38	0.133	4.000	0	84.5	80	120	
Chrysene	3.46	0.133	4.000	0	86.5	80	120	
Di-n-butyl phthalate	3.46	0.330	4.000	0	86.5	80	120	
Di-n-octyl phthalate	3.50	0.330	4.000	0	87.5	80	120	
Dibenz[a,h]anthracene	3.65	0.133	4.000	0	91.2	80	120	
Dibenzofuran	3.29	0.133	4.000	0	82.2	80	120	
Diethyl phthalate	3.23	0.330	4.000	0	80.8	80	120	
Dimethyl phthalate	3.20	0.330	4.000	0	80.0	80	120	
Fluoranthene	3.41	0.133	4.000	0	85.2	80	120	
Fluorene	3.28	0.133	4.000	0	82.0	80	120	
Hexachlorobenzene	3.39	0.133	4.000	0	84.8	80	120	
Hexachlorobutadiene	3.32	0.133	4.000	0	83.0	80	120	
Hexachlorocyclopentadiene	3.58	0.330	4.000	0	89.5	80	120	
Hexachloroethane	3.36	0.133	4.000	0	84.0	80	120	
Indeno[1,2,3-cd]pyrene	3.61	0.133	4.000	0	90.2	80	120	
Isophorone	3.54	0.133	4.000	0	88.5	80	120	
N-Nitrosodi-n-propylamine	3.49	0.133	4.000	0	87.2	80	120	
N-Nitrosodimethylamine	3.54	0.133	4.000	0	88.5	80	120	
N-Nitrosodiphenylamine	3.28	0.133	4.000	0	82.0	80	120	
Naphthalene	3.46	0.133	4.000	0	86.5	80	120	
Nitrobenzene	3.45	0.133	4.000	0	86.2	80	120	
Pentachlorobenzene	5.60	0.133	4.000	0	140	80	120	S
Pentachlorophenol	3.92	0.133	4.000	0	98.0	80	120	
Phenanthrene	3.22	0.133	4.000	0	80.5	80	120	
Phenol	4.04	0.133	4.000	0	101	80	120	
Pyrene	3.33	0.133	4.000	0	83.2	80	120	
Pyridine	3.66	0.660	4.000	0	91.5	80	120	
Surr: 2,4,6-Tribromophenol	4.45		4.000		111	80	120	
Surr: 2-Fluorobiphenyl	4.18		4.000		104	80	120	
Surr: 2-Fluorophenol	4.45		4.000		111	80	120	
Surr: 4-Terphenyl-d14	4.45		4.000		111	80	120	
Surr: Nitrobenzene-d5	4.58		4.000		114	80	120	
Surr: Phenol-d6	4.61		4.000		115	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

Sample ID:	LCS-40580	Batch ID:	40580	TestNo:	SW8260B	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS1_100415A	Analysis Date:	04/15/10 12:02 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0250	0.00500	0.0232	0	108	75	125			
1,1,1-Trichloroethane	0.0256	0.00500	0.0232	0	111	70	130			
1,1,2,2-Tetrachloroethane	0.0331	0.00500	0.0232	0	143	59	130			S
1,1,2-Trichloroethane	0.0265	0.00500	0.0232	0	114	62	125			
1,1-Dichloroethane	0.0254	0.00500	0.0232	0	109	75	125			
1,1-Dichloroethene	0.0257	0.00500	0.0232	0	111	65	135			
1,1-Dichloropropene	0.0256	0.00500	0.0232	0	110	70	135			
1,2,3-Trichlorobenzene	0.0275	0.00500	0.0232	0	118	62	133			
1,2,3-Trichloropropane	0.0265	0.00500	0.0232	0	114	65	130			
1,2,4-Trichlorobenzene	0.0265	0.00500	0.0232	0	114	65	130			
1,2,4-Trimethylbenzene	0.0250	0.00500	0.0232	0	108	65	135			
1,2-Dibromo-3-chloropropane	0.0265	0.00500	0.0232	0	114	49	135			
1,2-Dibromoethane	0.0253	0.00500	0.0232	0	109	70	124			
1,2-Dichlorobenzene	0.0257	0.00500	0.0232	0	111	75	120			
1,2-Dichloroethane	0.0264	0.00500	0.0232	0	114	72	135			
1,2-Dichloropropane	0.0258	0.00500	0.0232	0	111	71	120			
1,3,5-Trimethylbenzene	0.0247	0.00500	0.0232	0	107	65	133			
1,3-Dichlorobenzene	0.0254	0.00500	0.0232	0	109	72	124			
1,3-Dichloropropane	0.0250	0.00500	0.0232	0	108	76	123			
1,4-Dichloro-2-butene	0.0268	0.00500	0.0232	0	116	50	150			
1,4-Dichlorobenzene	0.0254	0.00500	0.0232	0	109	72	125			
2,2-Dichloropropane	0.0271	0.00500	0.0232	0	117	67	134			
2-Butanone	0.0687	0.0150	0.0580	0	119	60	135			
2-Chloroethylvinylether	0.0266	0.0150	0.0232	0	115	50	150			
2-Chlorotoluene	0.0267	0.00500	0.0232	0	115	70	128			
2-Hexanone	0.0701	0.0150	0.0580	0	121	50	145			
4-Chlorotoluene	0.0254	0.00500	0.0232	0	109	75	125			
4-Isopropyltoluene	0.0250	0.00500	0.0232	0	108	75	133			
4-Methyl-2-pentanone	0.0681	0.0150	0.0580	0	117	60	135			
Acetone	0.0761	0.0500	0.0580	0	131	40	141			
Acrylonitrile	0.0526	0.0100	0.0464	0	113	40	160			
Benzene	0.0251	0.00500	0.0232	0	108	75	125			
Bromobenzene	0.0254	0.00500	0.0232	0	110	66	120			
Bromochloromethane	0.0255	0.00500	0.0232	0	110	71	125			
Bromodichloromethane	0.0260	0.00500	0.0232	0	112	72	128			
Bromoform	0.0250	0.00500	0.0232	0	108	66	137			
Bromomethane	0.0247	0.00500	0.0232	0	106	45	141			
Carbon disulfide	0.0191	0.00500	0.0232	0	82.2	50	150			
Carbon tetrachloride	0.0256	0.00500	0.0232	0	110	67	133			
Chlorobenzene	0.0249	0.00500	0.0232	0	107	75	123			
Chloroethane	0.0251	0.00500	0.0232	0	108	41	141			
Chloroform	0.0257	0.00500	0.0232	0	111	72	124			
Chloromethane	0.0224	0.00500	0.0232	0	96.7	51	129			
cis-1,2-Dichloroethene	0.0256	0.00500	0.0232	0	110	67	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

cis-1,3-Dichloropropene	0.0259	0.00500	0.0232	0	112	72	125
Dibromochloromethane	0.0254	0.00500	0.0232	0	109	66	130
Dibromomethane	0.0262	0.00500	0.0232	0	113	75	128
Dichlorodifluoromethane	0.0201	0.00500	0.0232	0	86.4	80	121
Ethylbenzene	0.0250	0.00500	0.0232	0	108	75	125
Hexachlorobutadiene	0.0249	0.00500	0.0232	0	107	55	140
Iodomethane	0.0195	0.00500	0.0232	0	84.1	50	150
Isopropylbenzene	0.0246	0.00500	0.0232	0	106	77	129
m,p-Xylene	0.0505	0.00500	0.0464	0	109	80	125
Methyl tert-butyl ether	0.0292	0.00500	0.0232	0	126	68	130
Methylene chloride	0.0264	0.00500	0.0232	0	114	63	137
n-Butylbenzene	0.0252	0.00500	0.0232	0	109	65	138
n-Propylbenzene	0.0249	0.00500	0.0232	0	107	65	135
Naphthalene	0.0275	0.0150	0.0232	0	119	51	125
o-Xylene	0.0248	0.00500	0.0232	0	107	77	125
sec-Butylbenzene	0.0250	0.00500	0.0232	0	108	65	130
Styrene	0.0235	0.00500	0.0232	0	101	75	125
tert-Butylbenzene	0.0252	0.00500	0.0232	0	109	65	130
Tetrachloroethene	0.0250	0.00500	0.0232	0	108	67	139
Toluene	0.0254	0.00500	0.0232	0	109	75	125
trans-1,2-Dichloroethene	0.0251	0.00500	0.0232	0	108	66	134
trans-1,3-Dichloropropene	0.0264	0.00500	0.0232	0	114	65	125
Trichloroethene	0.0236	0.00500	0.0232	0	102	77	124
Trichlorofluoromethane	0.0253	0.0150	0.0232	0	109	49	139
Vinyl chloride	0.0242	0.00500	0.0232	0	104	60	125
Surr: 1,2-Dichloroethane-d4	51.7		50.00		103	78	125
Surr: 4-Bromofluorobenzene	51.2		50.00		102	85	120
Surr: Dibromofluoromethane	52.9		50.00		106	84	116
Surr: Toluene-d8	48.2		50.00		96.4	85	115

Sample ID:	MB-40580	Batch ID:	40580	TestNo:	SW8260B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS1_100415A	Analysis Date:	04/15/10 01:05 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	<0.00100	0.00500								
1,1,1-Trichloroethane	<0.00100	0.00500								
1,1,2,2-Tetrachloroethane	<0.00100	0.00500								
1,1,2-Trichloroethane	<0.00100	0.00500								
1,1-Dichloroethane	<0.00100	0.00500								
1,1-Dichloroethene	<0.00100	0.00500								
1,1-Dichloropropene	<0.00100	0.00500								
1,2,3-Trichlorobenzene	<0.00100	0.00500								
1,2,3-Trichloropropane	<0.00100	0.00500								
1,2,4-Trichlorobenzene	<0.00100	0.00500								
1,2,4-Trimethylbenzene	<0.00100	0.00500								
1,2-Dibromo-3-chloropropane	<0.00100	0.00500								
1,2-Dibromoethane	<0.00100	0.00500								
1,2-Dichlorobenzene	<0.00100	0.00500								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

1,2-Dichloroethane	<0.00100	0.00500
1,2-Dichloropropane	<0.00100	0.00500
1,3,5-Trimethylbenzene	<0.00100	0.00500
1,3-Dichlorobenzene	<0.00100	0.00500
1,3-Dichloropropane	<0.00100	0.00500
1,4-Dichloro-2-butene	<0.00100	0.00500
1,4-Dichlorobenzene	<0.00100	0.00500
2,2-Dichloropropane	<0.00100	0.00500
2-Butanone	<0.00500	0.0150
2-Chloroethylvinylether	<0.00500	0.0150
2-Chlorotoluene	<0.00100	0.00500
2-Hexanone	<0.00500	0.0150
4-Chlorotoluene	<0.00100	0.00500
4-Isopropyltoluene	<0.00100	0.00500
4-Methyl-2-pentanone	<0.00500	0.0150
Acetone	<0.0150	0.0500
Acrylonitrile	<0.00300	0.0100
Benzene	<0.00100	0.00500
Bromobenzene	<0.00100	0.00500
Bromochloromethane	<0.00100	0.00500
Bromodichloromethane	<0.00100	0.00500
Bromoform	<0.00100	0.00500
Bromomethane	<0.00100	0.00500
Carbon disulfide	<0.00100	0.00500
Carbon tetrachloride	<0.00100	0.00500
Chlorobenzene	<0.00100	0.00500
Chloroethane	<0.00100	0.00500
Chloroform	<0.00100	0.00500
Chloromethane	<0.00100	0.00500
cis-1,2-Dichloroethene	<0.00100	0.00500
cis-1,3-Dichloropropene	<0.00100	0.00500
Dibromochloromethane	<0.00100	0.00500
Dibromomethane	<0.00100	0.00500
Dichlorodifluoromethane	<0.00100	0.00500
Ethylbenzene	<0.00100	0.00500
Hexachlorobutadiene	<0.00100	0.00500
Iodomethane	<0.00100	0.00500
Isopropylbenzene	<0.00100	0.00500
m,p-Xylene	<0.00100	0.00500
Methyl tert-butyl ether	<0.00100	0.00500
Methylene chloride	<0.00500	0.00500
n-Butylbenzene	<0.00100	0.00500
n-Propylbenzene	<0.00100	0.00500
Naphthalene	<0.00500	0.0150
o-Xylene	<0.00100	0.00500
sec-Butylbenzene	<0.00100	0.00500
Styrene	<0.00100	0.00500

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

tert-Butylbenzene	<0.00100	0.00500				
Tetrachloroethene	<0.00100	0.00500				
Toluene	<0.00100	0.00500				
trans-1,2-Dichloroethene	<0.00100	0.00500				
trans-1,3-Dichloropropene	<0.00100	0.00500				
Trichloroethene	<0.00100	0.00500				
Trichlorofluoromethane	<0.00500	0.0150				
Vinyl chloride	<0.00100	0.00500				
Surr: 1,2-Dichloroethane-d4	50.1		50.00	100	78	125
Surr: 4-Bromofluorobenzene	49.8		50.00	99.6	85	120
Surr: Dibromofluoromethane	51.5		50.00	103	84	116
Surr: Toluene-d8	48.8		50.00	97.6	85	115

Sample ID:	1004122-01AMS	Batch ID:	40580		TestNo:		SW8260B			Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS1_100415A		Analysis Date:		04/15/10 03:56 PM			Prep Date:	04/15/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		0.0232	0.00497	0.0231	0	100	75	125			
1,1,1-Trichloroethane		0.0253	0.00497	0.0231	0	110	70	130			
1,1,2,2-Tetrachloroethane		0.0313	0.00497	0.0231	0	136	59	130			S
1,1,2-Trichloroethane		0.0247	0.00497	0.0231	0	107	62	125			
1,1-Dichloroethane		0.0256	0.00497	0.0231	0	111	75	125			
1,1-Dichloroethene		0.0244	0.00497	0.0231	0	106	65	135			
1,1-Dichloropropene		0.0253	0.00497	0.0231	0	110	70	135			
1,2,3-Trichlorobenzene		0.0199	0.00497	0.0231	0	86.2	62	133			
1,2,3-Trichloropropane		0.0239	0.00497	0.0231	0	104	65	130			
1,2,4-Trichlorobenzene		0.0211	0.00497	0.0231	0	91.6	65	130			
1,2,4-Trimethylbenzene		0.0230	0.00497	0.0231	0	99.5	65	135			
1,2-Dibromo-3-chloropropane		0.0229	0.00497	0.0231	0	99.2	49	135			
1,2-Dibromoethane		0.0231	0.00497	0.0231	0	100	70	124			
1,2-Dichlorobenzene		0.0230	0.00497	0.0231	0	99.7	75	120			
1,2-Dichloroethane		0.0254	0.00497	0.0231	0	110	72	135			
1,2-Dichloropropane		0.0252	0.00497	0.0231	0	109	71	120			
1,3,5-Trimethylbenzene		0.0233	0.00497	0.0231	0	101	65	133			
1,3-Dichlorobenzene		0.0230	0.00497	0.0231	0	99.7	72	124			
1,3-Dichloropropane		0.0233	0.00497	0.0231	0	101	76	123			
1,4-Dichloro-2-butene		0.0226	0.00497	0.0231	0	97.8	50	150			
1,4-Dichlorobenzene		0.0229	0.00497	0.0231	0	99.4	72	125			
2,2-Dichloropropane		0.0275	0.00497	0.0231	0	119	67	134			
2-Butanone		0.0640	0.0149	0.0577	0	111	60	135			
2-Chloroethylvinylether		0.0236	0.0149	0.0231	0	102	50	150			
2-Chlorotoluene		0.0234	0.00497	0.0231	0	101	70	128			
2-Hexanone		0.0566	0.0149	0.0577	0	98.2	50	145			
4-Chlorotoluene		0.0234	0.00497	0.0231	0	101	75	125			
4-Isopropyltoluene		0.0230	0.00497	0.0231	0	99.7	75	133			
4-Methyl-2-pentanone		0.0598	0.0149	0.0577	0	104	60	135			
Acetone		0.0622	0.0497	0.0577	0	108	40	141			
Acrylonitrile		0.0497	0.00995	0.0462	0	108	40	160			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

Benzene	0.0245	0.00497	0.0231	0	106	75	125
Bromobenzene	0.0232	0.00497	0.0231	0	101	66	120
Bromochloromethane	0.0246	0.00497	0.0231	0	107	71	125
Bromodichloromethane	0.0254	0.00497	0.0231	0	110	72	128
Bromoform	0.0224	0.00497	0.0231	0	97.1	66	137
Bromomethane	0.0232	0.00497	0.0231	0	100	45	141
Carbon disulfide	0.0175	0.00497	0.0231	0	75.9	50	150
Carbon tetrachloride	0.0255	0.00497	0.0231	0	110	67	133
Chlorobenzene	0.0233	0.00497	0.0231	0	101	75	123
Chloroethane	0.0253	0.00497	0.0231	0	110	41	141
Chloroform	0.0261	0.00497	0.0231	0	113	72	124
Chloromethane	0.0231	0.00497	0.0231	0	100	51	129
cis-1,2-Dichloroethene	0.0249	0.00497	0.0231	0	108	67	125
cis-1,3-Dichloropropene	0.0247	0.00497	0.0231	0	107	72	125
Dibromochloromethane	0.0232	0.00497	0.0231	0	100	66	130
Dibromomethane	0.0245	0.00497	0.0231	0	106	75	128
Dichlorodifluoromethane	0.0206	0.00497	0.0231	0	89.1	80	121
Ethylbenzene	0.0235	0.00497	0.0231	0	102	75	125
Hexachlorobutadiene	0.0201	0.00497	0.0231	0	86.9	55	140
Iodomethane	0.0165	0.00497	0.0231	0	71.3	50	150
Isopropylbenzene	0.0231	0.00497	0.0231	0	100	77	129
m,p-Xylene	0.0475	0.00497	0.0462	0	103	80	125
Methyl tert-butyl ether	0.0263	0.00497	0.0231	0	114	68	130
Methylene chloride	0.0266	0.00497	0.0231	0	115	63	137
n-Butylbenzene	0.0228	0.00497	0.0231	0	98.9	65	138
n-Propylbenzene	0.0235	0.00497	0.0231	0	102	65	135
Naphthalene	0.0200	0.0149	0.0231	0	86.7	51	125
o-Xylene	0.0233	0.00497	0.0231	0	101	77	125
sec-Butylbenzene	0.0228	0.00497	0.0231	0	98.9	65	130
Styrene	0.0222	0.00497	0.0231	0	96.1	75	125
tert-Butylbenzene	0.0230	0.00497	0.0231	0	99.8	65	130
Tetrachloroethene	0.0235	0.00497	0.0231	0	102	67	139
Toluene	0.0250	0.00497	0.0231	0	108	75	125
trans-1,2-Dichloroethene	0.0251	0.00497	0.0231	0	109	66	134
trans-1,3-Dichloropropene	0.0248	0.00497	0.0231	0	108	65	125
Trichloroethene	0.0229	0.00497	0.0231	0	99.1	77	124
Trichlorofluoromethane	0.0253	0.0149	0.0231	0	110	49	139
Vinyl chloride	0.0247	0.00497	0.0231	0	107	60	125
Surr: 1,2-Dichloroethane-d4	51.9		49.74		104	78	125
Surr: 4-Bromofluorobenzene	49.7		49.74		99.9	85	120
Surr: Dibromofluoromethane	52.8		49.74		106	84	116
Surr: Toluene-d8	48.6		49.74		97.7	85	115

Sample ID:	1004122-01AMSD	Batch ID:	40580	TestNo:	SW8260B	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GCMS1_100415A	Analysis Date:	04/15/10 04:28 PM	Prep Date:	04/15/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0227	0.00505	0.0234	0	97.0	75	125	1.86	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

1,1,1-Trichloroethane	0.0247	0.00505	0.0234	0	106	70	130	2.34	30
1,1,2,2-Tetrachloroethane	0.0243	0.00505	0.0234	0	103	59	130	25.4	30
1,1,2-Trichloroethane	0.0238	0.00505	0.0234	0	102	62	125	3.58	30
1,1-Dichloroethane	0.0245	0.00505	0.0234	0	104	75	125	4.54	30
1,1-Dichloroethene	0.0238	0.00505	0.0234	0	102	65	135	2.28	30
1,1-Dichloropropene	0.0242	0.00505	0.0234	0	103	70	135	4.61	30
1,2,3-Trichlorobenzene	0.0210	0.00505	0.0234	0	89.5	62	133	5.28	30
1,2,3-Trichloropropane	0.0219	0.00505	0.0234	0	93.3	65	130	9.01	30
1,2,4-Trichlorobenzene	0.0211	0.00505	0.0234	0	90.0	65	130	0.210	30
1,2,4-Trimethylbenzene	0.0222	0.00505	0.0234	0	94.9	65	135	3.20	30
1,2-Dibromo-3-chloropropane	0.0214	0.00505	0.0234	0	91.3	49	135	6.69	30
1,2-Dibromoethane	0.0220	0.00505	0.0234	0	93.8	70	124	4.94	30
1,2-Dichlorobenzene	0.0221	0.00505	0.0234	0	94.3	75	120	4.01	30
1,2-Dichloroethane	0.0245	0.00505	0.0234	0	104	72	135	3.80	30
1,2-Dichloropropane	0.0240	0.00505	0.0234	0	102	71	120	4.77	30
1,3,5-Trimethylbenzene	0.0222	0.00505	0.0234	0	94.9	65	133	4.49	30
1,3-Dichlorobenzene	0.0223	0.00505	0.0234	0	95.0	72	124	3.32	30
1,3-Dichloropropane	0.0223	0.00505	0.0234	0	95.3	76	123	4.38	30
1,4-Dichloro-2-butene	0.0218	0.00505	0.0234	0	93.1	50	150	3.42	30
1,4-Dichlorobenzene	0.0223	0.00505	0.0234	0	95.1	72	125	2.84	30
2,2-Dichloropropane	0.0257	0.00505	0.0234	0	110	67	134	6.74	30
2-Butanone	0.0583	0.0152	0.0586	0	99.5	60	135	9.32	30
2-Chloroethylvinylether	0.0227	0.0152	0.0234	0	97.0	50	150	3.73	30
2-Chlorotoluene	0.0227	0.00505	0.0234	0	96.6	70	128	3.33	30
2-Hexanone	0.0552	0.0152	0.0586	0	94.2	50	145	2.56	30
4-Chlorotoluene	0.0228	0.00505	0.0234	0	97.2	75	125	2.79	30
4-Isopropyltoluene	0.0220	0.00505	0.0234	0	93.9	75	133	4.51	30
4-Methyl-2-pentanone	0.0561	0.0152	0.0586	0	95.7	60	135	6.38	30
Acetone	0.0539	0.0505	0.0586	0	92.0	40	141	14.2	30
Acrylonitrile	0.0466	0.0101	0.0469	0	99.4	40	160	6.36	30
Benzene	0.0237	0.00505	0.0234	0	101	75	125	3.32	30
Bromobenzene	0.0221	0.00505	0.0234	0	94.2	66	120	5.05	30
Bromochloromethane	0.0234	0.00505	0.0234	0	99.8	71	125	5.13	30
Bromodichloromethane	0.0244	0.00505	0.0234	0	104	72	128	3.73	30
Bromoform	0.0214	0.00505	0.0234	0	91.2	66	137	4.77	30
Bromomethane	0.0229	0.00505	0.0234	0	97.7	45	141	1.15	30
Carbon disulfide	0.0180	0.00505	0.0234	0	76.8	50	150	2.73	30
Carbon tetrachloride	0.0242	0.00505	0.0234	0	103	67	133	4.95	30
Chlorobenzene	0.0228	0.00505	0.0234	0	97.2	75	123	2.28	30
Chloroethane	0.0237	0.00505	0.0234	0	101	41	141	6.26	30
Chloroform	0.0243	0.00505	0.0234	0	104	72	124	7.17	30
Chloromethane	0.0217	0.00505	0.0234	0	92.7	51	129	6.32	30
cis-1,2-Dichloroethene	0.0238	0.00505	0.0234	0	101	67	125	4.60	30
cis-1,3-Dichloropropene	0.0239	0.00505	0.0234	0	102	72	125	3.61	30
Dibromochloromethane	0.0224	0.00505	0.0234	0	95.7	66	130	3.20	30
Dibromomethane	0.0236	0.00505	0.0234	0	100	75	128	4.08	30
Dichlorodifluoromethane	0.0196	0.00505	0.0234	0	83.5	80	121	5.00	30

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

Ethylbenzene	0.0230	0.00505	0.0234	0	98.3	75	125	1.81	30
Hexachlorobutadiene	0.0184	0.00505	0.0234	0	78.5	55	140	8.57	30
Iodomethane	0.0156	0.00505	0.0234	0	66.5	50	150	5.40	30
Isopropylbenzene	0.0225	0.00505	0.0234	0	96.2	77	129	2.58	30
m,p-Xylene	0.0463	0.00505	0.0469	0	98.9	80	125	2.55	30
Methyl tert-butyl ether	0.0248	0.00505	0.0234	0	106	68	130	5.79	30
Methylene chloride	0.0254	0.00505	0.0234	0	108	63	137	4.63	30
n-Butylbenzene	0.0220	0.00505	0.0234	0	93.7	65	138	3.91	30
n-Propylbenzene	0.0225	0.00505	0.0234	0	96.0	65	135	4.46	30
Naphthalene	0.0205	0.0152	0.0234	0	87.4	51	125	2.34	30
o-Xylene	0.0224	0.00505	0.0234	0	95.6	77	125	3.93	30
sec-Butylbenzene	0.0219	0.00505	0.0234	0	93.6	65	130	3.92	30
Styrene	0.0215	0.00505	0.0234	0	91.8	75	125	3.04	30
tert-Butylbenzene	0.0223	0.00505	0.0234	0	95.1	65	130	3.28	30
Tetrachloroethene	0.0228	0.00505	0.0234	0	97.1	67	139	3.26	30
Toluene	0.0238	0.00505	0.0234	0	102	75	125	4.70	30
trans-1,2-Dichloroethene	0.0244	0.00505	0.0234	0	104	66	134	2.87	30
trans-1,3-Dichloropropene	0.0236	0.00505	0.0234	0	101	65	125	4.87	30
Trichloroethene	0.0232	0.00505	0.0234	0	99.1	77	124	1.50	30
Trichlorofluoromethane	0.0244	0.0152	0.0234	0	104	49	139	3.54	30
Vinyl chloride	0.0233	0.00505	0.0234	0	99.6	60	125	5.55	30
Surr: 1,2-Dichloroethane-d4	54.4		50.52		108	78	125	0	0
Surr: 4-Bromofluorobenzene	50.2		50.52		99.3	85	120	0	0
Surr: Dibromofluoromethane	52.9		50.52		105	84	116	0	0
Surr: Toluene-d8	49.8		50.52		98.5	85	115	0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

Sample ID:	ICV-100415	Batch ID:	R48911	TestNo:	SW8260B	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS1_100415A	Analysis Date:	04/15/10 10:06 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0482	0.00500	0.0464	0	104	80	120			
1,1,1-Trichloroethane	0.0516	0.00500	0.0464	0	111	80	120			
1,1,2,2-Tetrachloroethane	0.0532	0.00500	0.0464	0	115	80	120			
1,1,2-Trichloroethane	0.0489	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethane	0.0499	0.00500	0.0464	0	108	80	120			
1,1-Dichloroethene	0.0520	0.00500	0.0464	0	112	80	120			
1,1-Dichloropropene	0.0509	0.00500	0.0464	0	110	80	120			
1,2,3-Trichlorobenzene	0.0448	0.00500	0.0464	0	96.6	80	120			
1,2,3-Trichloropropane	0.0470	0.00500	0.0464	0	101	80	120			
1,2,4-Trichlorobenzene	0.0461	0.00500	0.0464	0	99.4	80	120			
1,2,4-Trimethylbenzene	0.0487	0.00500	0.0464	0	105	80	120			
1,2-Dibromo-3-chloropropane	0.0462	0.00500	0.0464	0	99.5	80	120			
1,2-Dibromoethane	0.0471	0.00500	0.0464	0	102	80	120			
1,2-Dichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2-Dichloroethane	0.0503	0.00500	0.0464	0	108	80	120			
1,2-Dichloropropane	0.0505	0.00500	0.0464	0	109	80	120			
1,3,5-Trimethylbenzene	0.0484	0.00500	0.0464	0	104	80	120			
1,3-Dichlorobenzene	0.0483	0.00500	0.0464	0	104	80	120			
1,3-Dichloropropane	0.0464	0.00500	0.0464	0	99.9	80	120			
1,4-Dichloro-2-butene	0.0471	0.00500	0.0464	0	101	80	120			
1,4-Dichlorobenzene	0.0475	0.00500	0.0464	0	102	80	120			
2,2-Dichloropropane	0.0546	0.00500	0.0464	0	118	80	120			
2-Butanone	0.123	0.0150	0.116	0	106	80	120			
2-Chloroethylvinylether	0.0503	0.0150	0.0464	0	108	80	120			
2-Chlorotoluene	0.0483	0.00500	0.0464	0	104	80	120			
2-Hexanone	0.115	0.0150	0.116	0	99.0	80	120			
4-Chlorotoluene	0.0484	0.00500	0.0464	0	104	80	120			
4-Isopropyltoluene	0.0492	0.00500	0.0464	0	106	80	120			
4-Methyl-2-pentanone	0.119	0.0150	0.116	0	102	80	120			
Acetone	0.128	0.0500	0.116	0	110	80	120			
Acrylonitrile	0.0943	0.0100	0.0928	0	102	80	120			
Benzene	0.0500	0.00500	0.0464	0	108	80	120			
Bromobenzene	0.0475	0.00500	0.0464	0	102	80	120			
Bromochloromethane	0.0494	0.00500	0.0464	0	107	80	120			
Bromodichloromethane	0.0514	0.00500	0.0464	0	111	80	120			
Bromoform	0.0468	0.00500	0.0464	0	101	80	120			
Bromomethane	0.0451	0.00500	0.0464	0	97.1	80	120			
Carbon disulfide	0.0572	0.00500	0.0464	0	123	80	120			S
Carbon tetrachloride	0.0518	0.00500	0.0464	0	112	80	120			
Chlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
Chloroethane	0.0471	0.00500	0.0464	0	102	80	120			
Chloroform	0.0500	0.00500	0.0464	0	108	80	120			
Chloromethane	0.0441	0.00500	0.0464	0	95.0	80	120			
cis-1,2-Dichloroethene	0.0500	0.00500	0.0464	0	108	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100415A

cis-1,3-Dichloropropene	0.0508	0.00500	0.0464	0	110	80	120
Dibromochloromethane	0.0475	0.00500	0.0464	0	102	80	120
Dibromomethane	0.0497	0.00500	0.0464	0	107	80	120
Dichlorodifluoromethane	0.0401	0.00500	0.0464	0	86.5	80	120
Ethylbenzene	0.0482	0.00500	0.0464	0	104	80	120
Hexachlorobutadiene	0.0464	0.00500	0.0464	0	99.9	80	120
Iodomethane	0.0440	0.00500	0.0464	0	94.8	80	120
Isopropylbenzene	0.0481	0.00500	0.0464	0	104	80	120
m,p-Xylene	0.0969	0.00500	0.0928	0	104	80	120
Methyl tert-butyl ether	0.0533	0.00500	0.0464	0	115	80	120
Methylene chloride	0.0518	0.00500	0.0464	0	112	80	120
n-Butylbenzene	0.0488	0.00500	0.0464	0	105	80	120
n-Propylbenzene	0.0487	0.00500	0.0464	0	105	80	120
Naphthalene	0.0433	0.0150	0.0464	0	93.3	80	120
o-Xylene	0.0476	0.00500	0.0464	0	102	80	120
sec-Butylbenzene	0.0487	0.00500	0.0464	0	105	80	120
Styrene	0.0461	0.00500	0.0464	0	99.4	80	120
tert-Butylbenzene	0.0485	0.00500	0.0464	0	105	80	120
Tetrachloroethene	0.0482	0.00500	0.0464	0	104	80	120
Toluene	0.0503	0.00500	0.0464	0	108	80	120
trans-1,2-Dichloroethene	0.0503	0.00500	0.0464	0	108	80	120
trans-1,3-Dichloropropene	0.0505	0.00500	0.0464	0	109	80	120
Trichloroethene	0.0483	0.00500	0.0464	0	104	80	120
Trichlorofluoromethane	0.0494	0.0150	0.0464	0	106	80	120
Vinyl chloride	0.0470	0.00500	0.0464	0	101	80	120
Surr: 1,2-Dichloroethane-d4	51.5		50.00		103	78	125
Surr: 4-Bromofluorobenzene	51.4		50.00		103	85	120
Surr: Dibromofluoromethane	52.4		50.00		105	84	116
Surr: Toluene-d8	48.6		50.00		97.1	85	115

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: IGN_100420A

Sample ID:	MB-40640	Batch ID:	40640	TestNo:	SW1010	Units:	°C
SampType:	MBLK	Run ID:	IGN_100420A	Analysis Date:	04/20/10 04:15 PM	Prep Date:	04/20/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability	>100	0								

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: IGN_100420A

Sample ID:	ICV-100420	Batch ID:	IGN_S-4/20/10		TestNo:		SW1010		Units:		°C
SampType:	ICV	Run ID:	IGN_100420A		Analysis Date:		04/20/10 04:15 PM		Prep Date:		04/20/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability		60	0	66.00	0	90.9	90	110			

Sample ID:	CCV-100420	Batch ID:	IGN_S-4/20/10		TestNo:		SW1010		Units:		°C
SampType:	CCV	Run ID:	IGN_100420A		Analysis Date:		04/20/10 04:15 PM		Prep Date:		04/20/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability		60	0	66.00	0	90.9	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1004122
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100421A

Sample ID:	1004122-01B-DUP	Batch ID:	40658		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_100421A		Analysis Date:		04/21/10 04:30 PM		Prep Date:		04/21/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		3.45	0	0	3.535				2.29	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

February 04, 2011

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

Order No: 1102016

TEL: (575) 678-3397
FAX: (575) 532-1587

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 1 sample(s) on 2/2/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-10-3 & DoD ELAP #ADE-1416 v2

Table of Contents

Miscellaneous Documents 3

Case Narrative 10

Sample Summary 11

Prep Dates Report 12

TCLP Dates Report 13

Analytical Dates Report 14

Sample Results 15

Analytical QC Summary Report 16

zia engineering & environmental consultants, llc
5 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

#1102014

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: SRC FFTA

SAMPLER'S SIGNATURE: Brad Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TCLP Cd
2-1-11	0925	STRC-0162-SB-006(0.5-6)	Soil		1	X

ANALYSIS REQUESTED

REMARKS

PROJECT INFORMATION	SAMPLES RECEIVED	yes	1. RELINQUISHED BY: (SIGNATURE) Brad Davis	2. RELINQUISHED BY: (SIGNATURE) Fedex	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	1	(PRINTED NAME) Bradley Davis	(PRINTED NAME)	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	no	RECEIVED BY: (SIGNATURE) Fedex	RECEIVED BY: (SIGNATURE) [illegible]	(COMPANY)
	GOOD CONDITION/CHILLED	65°	(TIME/DATE)	(TIME/DATE) 2/2/11 1345	(TIME/DATE)
VIA: Fed EX	CONFORMS TO RECORD	Sum #57	SPECIAL INSTRUCTIONS / COMMENTS: ~~PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS~~ → * Rush Analysis		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

From: (575) 678-4243
Gabe Conde
ZIA ENGINEERING - GARRISON
Bldg 128, 3rd Floor

WSMR, NM 88002

Origin ID: LRUA

FedEx Express

J1180C228629

Ship Date: 01FEB11
Act/Wgt: 3.0 LB
CAD: 1020050/INET3130

Delivery Address Bar Code

SHIP TO: (512) 388-8222 BILL SENDER
Jennifer Barker
DHL Analytical Labs
2300 DOUBLE CREEK DR

ROUND ROCK, TX 78664

Ref # LCB-08-016 BG 0025
Invoice #
PO #
Dept #

WED - 02 FEB A1
STANDARD OVERNIGHT

TRK# 7967 1667 5101
0201

XH BSMA

78664
TX-US
AUS

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DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental | Date Received: 2/2/2011

Work Order Number 1102016 | Received by JB

dist completed by: [signature] 2/2/11 (Signature / Date) | Reviewed by JD (Initials) 02/02/11 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	6.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ective Action _____

Page 1 of 0

Laboratory Data Package Signature Page

This data package consists of:

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

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - 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.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager

Signature

02/04/11
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: SRC FFTA	Date: 2/4/2011
Reviewer Name: Angie O'Donnell	Laboratory Work Order:1102016
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		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) Were % 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) Where 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 (if applicable)?	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 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				
10	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) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	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).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: SRC FFTA	Date: 2/4/2011
Reviewer Name: Angie O'Donnell	Laboratory Work Order:1102016

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within 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 Continuing Calibration blank (CCB):**					
		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):**					
		1) 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)**					
		1) Were the raw data (for example, 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**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	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				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) 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).

DCS REPORTING

RunID:	ICP-MS2_110125A	Prep Date:	1/24/2011
SampID:	DCS-44727-1	Anaysis Date:	1/25/2011
TestNo:	SW6020	Units:	µg/L
BatchID:	44727		

Analyte	Result	RL	SPK Val	%REC	Low Limit	High Limit	Flag
Antimony	1.12	1	1	112	70	130	
Cadmium	0.322	0.3	0.3	107	70	130	
Calcium	31.6	300	25	126	70	130	
Iron	30.3	150	25	121	70	130	
Lead	0.328	0.3	0.3	110	70	130	
Magnesium	26.8	300	25	107	70	130	
Selenium	0.380	2	0.3	127	70	130	
Silver	0.496	0.5	0.5	99.3	70	130	

CLIENT:	Zia Engineering & Environmental	
Project:	SRC FFTA	CASE NARRATIVE
Lab Order:	1102016	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW1311/6020 - TCLP Metals

LOG IN

Samples were received on and log-in performed on 2/2/2011. A total of 1 sample was received and was analyzed. The sample arrived in good condition and was properly packaged.

TCLP METALS

The sample results were below TCLP or RCRA characterization limits. The sample is therefore non-hazardous for the parameters that were analyzed.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Client used own container for sample container.
This sample delivery group arrives at DHL Analytical 2/2/2011. The sample summary, sent via email from Log-in to client on 2/2/2011, is kept in the project folder.

DHL Analytical

Date: 02/04/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1102016-01	STRC-0162-SB-006-(0.5-1.0)		02/01/11 09:25 AM	02/02/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW3005A	Aq Prep Metals : ICP-MS	02/03/11 08:37 AM	44887

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

TCLP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW1311	TCLP Sample Prep (Metals)	02/02/11 05:00 PM	44881

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW1311/6020	TCLP Metals	44887	1	02/03/11 09:28 PM	ICP-MS2_110203A

DHL Analytical

Date: 02/04/11

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-006-(0.5-1.0)
Project:	SRC FFTA	Lab ID:	1102016-01
Project No:		Collection Date:	02/01/11 09:25 AM
Lab Order:	1102016	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TCLP Metals		SW1311/6020					Analyst: AJR
Lead	0.00548	0.00300	0.0100	J	mg/L	1	02/03/11 09:28 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1102016
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110203A

Sample ID:	MB-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	MBLK	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 08:59 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		<0.000300	0.00100										
Sample ID:	MB-44881 TCLP	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	MBLK	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:05 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		<0.000300	0.00100	0									
Sample ID:	LCS-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	LCS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:11 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		0.182	0.00100	0.2000	0	91.0	80	120					
Sample ID:	LCSD-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	LCSD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:16 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		0.182	0.00100	0.2000	0	91.2	80	120	0.219	15			
Sample ID:	1102016-01A SD	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	SD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:34 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		<0.0150	0.0500	0	0.005480				0	10			
Sample ID:	1102016-01A PDS	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	PDS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:40 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		1.96	0.0100	2.000	0.005480	97.6	75	125					
Sample ID:	1102016-01A MS	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	MS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:46 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		1.87	0.0100	2.000	0.005480	93.1	80	120					
Sample ID:	1102016-01A MSD	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L		
SampType:	MSD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:52 PM		Prep Date:		02/03/11		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual	
Lead		1.85	0.0100	2.000	0.005480	92.1	80	120	1.02	15			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102016
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110203A

Sample ID:	ICV1-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 02:34 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.0963	0.00100	0.100	0	96.3	90	110			

Sample ID:	CCV3-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 08:17 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.194	0.00100	0.200	0	97.2	90	110			

Sample ID:	CCV4-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:58 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.191	0.00100	0.200	0	95.6	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

February 15, 2011

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

Order No: 1102090

TEL: (575) 678-3397
FAX: (575) 532-1587

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 1 sample(s) on 2/14/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-10-3 & DoD ELAP #ADE-1416 v2

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Miscellaneous Documents 3

Case Narrative 9

Sample Summary 10

Prep Dates Report 11

Analytical Dates Report 12

Sample Results 13

Analytical QC Summary Report 14

zia engineering & environmental consultants, llc

755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 o
575-532-1587 f

#T102090
~~#T102914~~

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: SRC FFTA

SAMPLER'S SIGNATURE: Brad Davis

	DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Lead	PCB	ANALYSIS REQUESTED	REMARKS
01	2-1-11	0925	STRC-01162-SB-006-(0.5-1.0)	Soil		1	X			

3/4/11 added per Pam Lewis for total analysis - afb

PROJECT INFORMATION	SAMPLES RECEIVED	4°C	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	1	(PRINTED NAME) Bradley Davis	(PRINTED NAME)	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	N/A	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	6.5°	(TIME/DATE)	(TIME/DATE) 2/2/11 1345	(TIME/DATE)
VIA: Fed EX	CONFORMS TO RECORD	Form #57	SPECIAL INSTRUCTIONS/COMMENTS: ~~PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS~~ * Rush Analysis		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental — Date Received: 2/14/2011

Work Order Number 1102090 — Received by JB

list completed by: [signature] Signature — 2/14/11 Date — Reviewed by SS Initials — 2-14-11 Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	6.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ctive Action _____

Page 1 of 0

Laboratory Data Package Signature Page

This data package consists of:

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

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - 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.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager

Signature: John DuPont

Date: 02/15/11

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: SRC FFTA	Date: 2/15/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1102090
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		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) Were % 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) Where 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 (if applicable)?	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 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				
10	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) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	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).

DHL Analytical, Inc.
Laboratory Review Checklist (continued): Supporting Data

Project Name: SRC FFTA	Date: 2/15/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1102090

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within 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 Continuing Calibration blank (CCB):**					
		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):**					
		1) 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)**					
		1) Were the raw data (for example, 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**					
		1) Did dual column confirmation results meet the method-required QC?	X				
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?			X		
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	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				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

p

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).

DCS REPORTING

RunID:	GC16_110203B	Prep Date:	1/31/2011
SampID:	DCS-44833	Analysis Date:	2/3/2011
TestNo:	SW8082	Units:	mg/Kg
BatchID:	44833		

Analyte	Result	RL	SPK Val	%REC	Low Limit	High Limit	Flag
Aroclor 1016	0.0819	0.1	0.075	109	20	400	
Aroclor 1260	0.0782	0.1	0.075	104	20	400	

CLIENT:	Zia Engineering & Environmental	
Project:	SRC FFTA	CASE NARRATIVE
Lab Order:	1102090	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW8082 - PCB Analysis
Method D2216 - Percent Moisture

LOG IN

The sample was added on and log-in performed on 2/14/11. A total of 1 sample was received and it was analyzed. The sample arrived in good condition and was properly packaged.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Client used own container for sample container.
This sample delivery group arrives at DHL Analytical 2/2/2011. The sample summary, sent via email from Log-in to client on 2/2/2011, is kept in project folder 1102016.

DHL Analytical

Date: 02/15/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1102090-01	STRC-0162-SB-006-(0.5-1.0)		02/01/11 09:25 AM	02/14/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102090-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW3550B	Soil Prep Sonication: PCB	02/14/11 02:19 PM	45024
	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	D2216	Moisture Preparation	02/14/11 01:53 PM	45020

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1102090-01A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8082	PCB by GC - Soil/Solid	45024	1	02/15/11 12:14 AM	GC16_110214B
	STRC-0162-SB-006-(0.5-1.0)	Soil	D2216	Percent Moisture	45020	1	02/15/11 09:40 AM	PMOIST_110214B

DHL Analytical

Date: 02/15/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No:
Lab Order: 1102090

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1102090-01
Collection Date: 02/01/11 09:25 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB by GC - Soil/Solid		SW8082					Analyst: DO
Aroclor 1016	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1221	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1232	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1242	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1248	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1254	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1260	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Surr: Decachlorobiphenyl	87.4	0	60 - 125		%REC	1	02/15/11 12:14 AM
Surr: Tetrachloro-m-xylene	85.0	0	70 - 125		%REC	1	02/15/11 12:14 AM
Percent Moisture		D2216					Analyst: JCG
Percent Moisture	6.39	0	0		WT%	1	02/15/11 09:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_110214B

Sample ID:	LCS-45024	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg
SampType:	LCS	Run ID:	GC16_110214B	Analysis Date:	02/14/11 11:21 PM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.855	0.100	1.000	0	85.5	40	140			
Aroclor 1260	0.856	0.100	1.000	0	85.6	60	130			
Surr: Decachlorobiphenyl	0.0957		0.1000		95.7	60	125			
Surr: Tetrachloro-m-xylene	0.0907		0.1000		90.7	70	125			

Sample ID:	MB-45024	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC16_110214B	Analysis Date:	02/14/11 11:48 PM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	<0.0300	0.100								
Aroclor 1221	<0.0300	0.100								
Aroclor 1232	<0.0300	0.100								
Aroclor 1242	<0.0300	0.100								
Aroclor 1248	<0.0300	0.100								
Aroclor 1254	<0.0300	0.100								
Aroclor 1260	<0.0300	0.100								
Surr: Decachlorobiphenyl	0.0945		0.1000		94.5	60	125			
Surr: Tetrachloro-m-xylene	0.0941		0.1000		94.1	70	125			

Sample ID:	1102090-01AMS	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC16_110214B	Analysis Date:	02/15/11 12:40 AM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.867	0.105	1.055	0	82.2	40	140			
Aroclor 1260	0.869	0.105	1.055	0	82.4	60	130			
Surr: Decachlorobiphenyl	0.0980		0.1055		92.9	60	125			
Surr: Tetrachloro-m-xylene	0.0939		0.1055		89.1	70	125			

Sample ID:	1102090-01AMSD	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC16_110214B	Analysis Date:	02/15/11 01:06 AM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.838	0.103	1.031	0	81.2	40	140	3.42	30	
Aroclor 1260	0.843	0.103	1.031	0	81.8	60	130	2.99	30	
Surr: Decachlorobiphenyl	0.0972		0.1031		94.3	60	125	0		
Surr: Tetrachloro-m-xylene	0.0925		0.1031		89.7	70	125	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_110214B

Sample ID:	ICV-110214	Batch ID:	R53499		TestNo:		SW8082		Units:		mg/Kg
SampType:	ICV	Run ID:	GC16_110214B		Analysis Date:		02/14/11 10:28 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016		2.01	0.100	2.000	0	100	80	120			
Aroclor 1260		2.01	0.100	2.000	0	100	80	120			
Surr: Decachlorobiphenyl		0.200		0.2000		100	80	120			
Surr: Tetrachloro-m-xylene		0.201		0.2000		100	80	120			

Sample ID:	CCV1-110214	Batch ID:	R53499		TestNo:		SW8082		Units:		mg/Kg
SampType:	CCV	Run ID:	GC16_110214B		Analysis Date:		02/15/11 01:33 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016		0.879	0.100	1.000	0	87.9	80	120			
Aroclor 1260		0.946	0.100	1.000	0	94.6	80	120			
Surr: Decachlorobiphenyl		0.101		0.1000		101	80	120			
Surr: Tetrachloro-m-xylene		0.0992		0.1000		99.2	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_110214B

Sample ID:	1102081-02ADUP	Batch ID:	45020		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_110214B		Analysis Date:		02/15/11 09:40 AM		Prep Date:		02/14/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		12.2	0	0	11.19				8.64	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

DHL ANALYTICAL

March 25, 2011

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

Order No: 1103164

TEL: (575) 678-3397
FAX: (575) 532-1587

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 8 sample(s) on 3/22/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-11-4 & DoD ELAP #ADE-1416 v2

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Miscellaneous Documents 3

Case Narrative 11

Sample Summary 13

Prep Dates Report 14

Analytical Dates Report 16

Sample Results 18

Analytical QC Summary Report 26

DHL ANALYTICAL

2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 49039

CHAIN-OF-CUSTODY

CLIENT: Zia Engineering
ADDRESS: PO Box 40 WSMR, NM 88002
PHONE: 678-3397 (575) FAX/E-MAIL:
DATA REPORTED TO: Bradley Davis
ADDITIONAL REPORT COPIES TO: Pam Krueger

DATE: 3-18-11 PAGE 1 OF
PO #: DHL WORK ORDER #: 1103164
PROJECT LOCATION OR NAME: SRC FFTA
CLENT PROJECT #: 32 COLLECTOR: Brad Davis

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ (METHOD 8021) TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ GRO (METHOD 8015) DRO (METHOD 8105) ☐ VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ SVOC 8270 ☐ SVOC 625 ☐ 8081 PEST ☐ 608 PEST/PCB ☐ 8082 PCB ☐ 8270 PEST ☐ 8270 PCB ☐ 8270 O-P PEST ☐ HOLD PAH ☐ SVOC 625 ☐ 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐ METALS 8020 ☐ METALS 200.8 ☐ DISS. METALS ☐ RCRA ☐ TX11 ☐ PH ☐ HEX CHROM ☐ ALKALINITY ☐ CHLORIDE ☐ ANIONS ☐ TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ Arsenic Lead

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	BTEX	TPH 1005	GRO	VOC 8260	SVOC 8270	8081 PEST	8270 O-P PEST	8321 HERB	METALS 8020	RCRA	PH	CHLORIDE	TCLP-SVOC	TCLP-METALS	RCI	TDS	Arsenic	Lead	FIELD NOTES
STRC-0162-Base-10.0	01	3-18-11	1102	Soil	glass Jar	2				X			X		X												X	X		
STRC-0162-Base2-10.0	02	3-18-11	1102	Soil	glass Jar	2				X			X		X												X	X		
STRC-0162-NSW-7.0	03	3-18-11	1110	Soil	"	2				X			X		X												X	X		
STRC-0162-WSW-7.0	04	3-18-11	1115	Soil	"	2				X			X		X												X	X		
STRC-0162-RB-0311	05	3-18-11	1135	W	glass + poly	5	X	X		X			X		X												X	X		
STRC-0162-SSW-7.0	06	3-18-11	1220	Soil	glass	2				X			X		X												X	X		
STRC-0162-ESW-7.0	07	3-18-11	1225	Soil	glass	2				X			X		X												X	X		
STRC-0162-N-2.0	08	3-18-11	1232	Soil	glass	2				X			X		X												X	X		
TOTAL																														

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Bradley Davis	3-21-11 1515	Fedex
Fedex	3/22/11 955	[illegible]

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 72 Hour

LABORATORY USE ONLY:
RECEIVING TEMP: 4.3 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☒ INTACT ☐ NOT USED
☒ CARRIER BILL #: Fedex
☐ APC DELIVERY
☐ HAND DELIVERED

FedEx. *US Airbill* Express

8705 3674 1149

Recipient's Copy

1 From

Date

Sender's Name

Phone

Company

Address

City

State ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone

Company

HOLD Weekday

HOLD Saturday

Address

Address

City

State ZIP

8705 3674 1149

4a Express Package Service

Packages up to 150 lbs.

FedEx Priority Overnight

FedEx Standard Overnight

FedEx First Overnight

FedEx 2Day

FedEx Express Saver

4b Express Freight Service

Packages over 150 lbs.

FedEx 1Day Freight

FedEx 2Day Freight

FedEx 3Day Freight

5 Packaging

FedEx Envelope

FedEx Pak

FedEx Box

FedEx Tube

Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery

No Signature Required

Direct Signature

Indirect Signature

Does this shipment contain dangerous goods?

One box must be checked.

No

Yes

Yes

Dry Ice

Cargo Aircraft Only

7 Payment Bill to:

Sender

Recipient

Third Party

Credit Card

Cash/Check

Total Packages

Total Weight

Total Declared Value†

554

fedex.com 1.800.Go-FedEx 1.800.463.3339

CUSTODY SEAL

DATE 3-21-4

SIGNATURE

QEC

Quality Environmental Containers

800-255-3960 · 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental — Date Received: 3/22/2011

Work Order Number 1103164 — Received by JB

Checklist completed by: JBarker 3/22/11 (Signature / Date) — Reviewed by SS 3-22-11 (Initials / Date)

Carrier name: FedEx 1day

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 ☐	4.3 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted Zia Date contacted: 3/22/11 Person contacted Brad

Contacted by: JBarker Regarding:

Comments: Per Brad, run PAH on all samples.

Corrective Action Logged in for requested analysis

Page 1 of 1

Laboratory Data Package Signature Page

This data package consists of:

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

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - 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.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager

Signature _____ Date _____

RG-366/TRRP-13 December 2002

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: SRC FFTA	Date: 3/25/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1103164
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		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) Were % 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) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?		X			R5-04
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 (if applicable)?	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			R7-03
		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 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				R10-01
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	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).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: SRC FFTA	Date: 3/25/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1103164

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within 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 Continuing Calibration blank (CCB):**					
		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):**					
		1) Were IS area counts and retention times within the method-required QC limits?		X			S4-01
S5	OI	**Raw Data (NELAC section 1 appendix A glossary, and section 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				S5-02
S6	O	**Dual Column Confirmation**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	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				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

P

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).

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GC#15_110324A **ICAL Folder:** GC#15_110119.CAL

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
ICAL: GC15_110119.CAL	N/A			
Sample: ICV-110324	N/A			
Sample: LCS-45559	N/A			
Sample: MB-45559	N/A			
Sample: 1103164-01A	M.I because peaks were not properly integrated.			
Sample: 1103164-02A	M.I because peaks were not properly integrated.			
Sample: 1103164-03A	N/A			
Sample: 1103164-04A	M.I because peaks were not properly integrated.			
Sample: 1103164-06A	N/A			

*Manually Integrated = MI

D.D 3/24/11
Analyst Date

2nd Level Review 3-25-2011
Date

Manual IntegrationsGC15DATA

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GC#15_110324A **ICAL Folder:** GC#15_110119.CAL

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
Sample: 1103164-07A	N/A			
Sample: 1103164-08A	M.I because peaks were not properly integrated.			
Sample: CCV1-110324	N/A			
Sample: 1103164-08AMS	N/A			
Sample: 1103164-08AMSD	N/A			
Sample: CCV2-110324	N/A			

*Manually Integrated = MI

D.D 3/24/11
Analyst Date

3.25.2011
2nd Level Review Date

Manual IntegrationsGC15DATA

CLIENT:	Zia Engineering & Environmental	
Project:	SRC FFTA	CASE NARRATIVE
Lab Order:	1103164	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method M8015D - DRO Analysis (soil & water)
Method SW8270C - PAH Analysis (soil & water)
Method SW6020 - Metals Analysis (soil & water)
Method D2216 - Percent Moisture

Exception Report R1-01

Samples were received on and log-in performed on 3/22/11. A total of 8 samples were received and all were analyzed. On 3/22/11 PAH was noted on the Chain-of-Custody and analyzed for all samples instead of Semivolatiles analysis as per the client. The samples arrived in good condition and were properly packaged.

Exception Report R5-04

For Metals analysis performed on 3/24/11 Lead was detected below the reporting limit in the method blank (MB-45545). All associated samples were detected greater than 10 times the amount in the blank. No further corrective actions were taken.

Exception Report R7-03

For PAH analysis performed on 3/23/11 (batch 45552) the matrix spike and matrix spike duplicate recoveries were slightly above control limits for Acenaphthylene. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for these compounds. No further corrective actions were taken.

Exception Report R10-1

For PAH analysis (batch 45542) an MS/MSD was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

For DRO analysis (batch 45540) an MS/MSD was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

Exception Report S4-01

For Metals analysis performed on 3/23/11 CCV5 had high responses for the internal standards Germanium and Bismuth. The associated analytes (Arsenic and Lead) had recoveries within control limits. No further corrective actions were taken.

Exception Report S5-02

CLIENT:	Zia Engineering & Environmental	CASE NARRATIVE
Project:	SRC FFTA	
Lab Order:	1103164	

For DRO analysis, some samples and/or standards were manually integrated. Please refer to the table on page 7 of this report for the full list of samples, standards, and the compounds that were manually integrated.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.

Brad Davis of ZIA Requested the bottle kit from Jennifer Barker of DHL: via email on 2/9/11.

Kit sent on 2/9/11 via Lonestar Overnight, to arrive by 2/10/11.

This sample delivery group arrived at DHL Analytical 3/22/11. The sample summary, sent via email from Log-in to client on 3/22/11, is kept in the project folder.

All hardcopies for the sample kit request, bill of lading for sample kit sent are kept in the project folder.

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1103164

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1103164-01	STRC-0162-Base-10.0		03/18/11 11:02 AM	03/22/11
1103164-02	STRC-0162-Base1-10.0 (DUP)		03/18/11 11:02 AM	03/22/11
1103164-03	STRC-0162-NSW-7.0		03/18/11 11:10 AM	03/22/11
1103164-04	STRC-0162-WSW-7.0		03/18/11 11:15 AM	03/22/11
1103164-05	STRC-0162-RB-0311		03/18/11 11:35 AM	03/22/11
1103164-06	STRC-0162-SSW-7.0		03/18/11 12:20 PM	03/22/11
1103164-07	STRC-0162-ESW-7.0		03/18/11 12:25 PM	03/22/11
1103164-08	STRC-0162-N-2.0		03/18/11 12:32 PM	03/22/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1103164

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1103164-01A	STRC-0162-Base-10.0	03/18/11 11:02 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-Base-10.0	03/18/11 11:02 AM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-01B	STRC-0162-Base-10.0	03/18/11 11:02 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-Base-10.0	03/18/11 11:02 AM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-02A	STRC-0162-Base1-10.0 (DUP)	03/18/11 11:02 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-Base1-10.0 (DUP)	03/18/11 11:02 AM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-02B	STRC-0162-Base1-10.0 (DUP)	03/18/11 11:02 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-Base1-10.0 (DUP)	03/18/11 11:02 AM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-03A	STRC-0162-NSW-7.0	03/18/11 11:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-NSW-7.0	03/18/11 11:10 AM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-03B	STRC-0162-NSW-7.0	03/18/11 11:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-NSW-7.0	03/18/11 11:10 AM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-04A	STRC-0162-WSW-7.0	03/18/11 11:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-WSW-7.0	03/18/11 11:15 AM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-04B	STRC-0162-WSW-7.0	03/18/11 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-WSW-7.0	03/18/11 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-WSW-7.0	03/18/11 11:15 AM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-05A	STRC-0162-RB-0311	03/18/11 11:35 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	03/23/11 08:42 AM	45550
1103164-05B	STRC-0162-RB-0311	03/18/11 11:35 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: PAH	03/22/11 02:01 PM	45542
1103164-05C	STRC-0162-RB-0311	03/18/11 11:35 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	03/22/11 12:41 PM	45540
1103164-06A	STRC-0162-SSW-7.0	03/18/11 12:20 PM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-SSW-7.0	03/18/11 12:20 PM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-06B	STRC-0162-SSW-7.0	03/18/11 12:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-SSW-7.0	03/18/11 12:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-SSW-7.0	03/18/11 12:20 PM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-07A	STRC-0162-ESW-7.0	03/18/11 12:25 PM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-ESW-7.0	03/18/11 12:25 PM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-07B	STRC-0162-ESW-7.0	03/18/11 12:25 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-ESW-7.0	03/18/11 12:25 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1103164

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-ESW-7.0	03/18/11 12:25 PM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553
1103164-08A	STRC-0162-N-2.0	03/18/11 12:32 PM	Soil	SW3550C	Soil Prep Sonication: DRO	03/23/11 10:33 AM	45559
	STRC-0162-N-2.0	03/18/11 12:32 PM	Soil	SW3550C	Soil Prep Sonication: PAH	03/23/11 08:52 AM	45552
1103164-08B	STRC-0162-N-2.0	03/18/11 12:32 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-N-2.0	03/18/11 12:32 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	03/23/11 09:00 AM	45545
	STRC-0162-N-2.0	03/18/11 12:32 PM	Soil	D2216	Moisture Preparation	03/23/11 09:00 AM	45553

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1103164

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1103164-01A	STRC-0162-Base-10.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 02:18 PM	GCMS6_110323A
	STRC-0162-Base-10.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 08:56 AM	GC15_110324A
1103164-01B	STRC-0162-Base-10.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-Base-10.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:30 PM	ICP-MS3_110323C
1103164-02A	STRC-0162-Base1-10.0 (DUP)	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 02:50 PM	GCMS6_110323A
	STRC-0162-Base1-10.0 (DUP)	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:05 AM	GC15_110324A
1103164-02B	STRC-0162-Base1-10.0 (DUP)	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-Base1-10.0 (DUP)	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:35 PM	ICP-MS3_110323C
1103164-03A	STRC-0162-NSW-7.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 03:22 PM	GCMS6_110323A
	STRC-0162-NSW-7.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:13 AM	GC15_110324A
1103164-03B	STRC-0162-NSW-7.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-NSW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:41 PM	ICP-MS3_110323C
1103164-04A	STRC-0162-WSW-7.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 03:55 PM	GCMS6_110323A
	STRC-0162-WSW-7.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:22 AM	GC15_110324A
1103164-04B	STRC-0162-WSW-7.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-WSW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:46 PM	ICP-MS3_110323C
	STRC-0162-WSW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/25/11 12:20 PM	ICP-MS3_110325A
1103164-05A	STRC-0162-RB-0311	Aqueous	SW6020	Trace Metals: ICP-MS - Water	45550	1	03/23/11 02:41 PM	ICP-MS2_110323B
1103164-05B	STRC-0162-RB-0311	Aqueous	SW8270C	PAHs: GC/MS	45542	1	03/22/11 05:40 PM	GCMS6_110322B
1103164-05C	STRC-0162-RB-0311	Aqueous	M8015D	TPH Extractable by GC - Water	45540	1	03/22/11 01:48 PM	GC15_110322A
1103164-06A	STRC-0162-SSW-7.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 04:27 PM	GCMS6_110323A
	STRC-0162-SSW-7.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:31 AM	GC15_110324A
1103164-06B	STRC-0162-SSW-7.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-SSW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:52 PM	ICP-MS3_110323C
	STRC-0162-SSW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/24/11 12:12 PM	ICP-MS3_110324A
1103164-07A	STRC-0162-ESW-7.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 01:46 PM	GCMS6_110323A
	STRC-0162-ESW-7.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:40 AM	GC15_110324A
1103164-07B	STRC-0162-ESW-7.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-ESW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 09:57 PM	ICP-MS3_110323C

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1103164

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-ESW-7.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/24/11 12:17 PM	ICP-MS3_110324A
1103164-08A	STRC-0162-N-2.0	Soil	SW8270C	PAHs: GC/MS	45552	1	03/23/11 04:59 PM	GCMS6_110323A
	STRC-0162-N-2.0	Soil	M8015D	TPH Extractable by GC - Soil	45559	1	03/24/11 09:49 AM	GC15_110324A
1103164-08B	STRC-0162-N-2.0	Soil	D2216	Percent Moisture	45553	1	03/23/11 02:00 PM	PMOIST_110323A
	STRC-0162-N-2.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/23/11 10:08 PM	ICP-MS3_110323C
	STRC-0162-N-2.0	Soil	SW6020	Trace Metals: ICP-MS - Solid	45545	5	03/24/11 12:22 PM	ICP-MS3_110324A

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-Base-10.0
Lab ID: 1103164-01
Collection Date: 03/18/11 11:02 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	26.9	3.03	10.1		mg/Kg-dry	1	03/24/11 08:56 AM
Surr: Isopropylbenzene	54.9	0	47 - 142		%REC	1	03/24/11 08:56 AM
Surr: Octacosane	115	0	25 - 162		%REC	1	03/24/11 08:56 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.18	0.494	0.988		mg/Kg-dry	5	03/23/11 09:30 PM
Lead	8.77	0.0988	0.297		mg/Kg-dry	5	03/23/11 09:30 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Acenaphthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Acenaphthylene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[a]anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[a]pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[b]fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[g,h,i]perylene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[k]fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Chrysene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Dibenz[a,h]anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Fluorene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Indeno[1,2,3-cd]pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Naphthalene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Phenanthrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Surr: 2-Fluorobiphenyl	85.7	0	40 - 140		%REC	1	03/23/11 02:18 PM
Surr: 4-Terphenyl-d14	106	0	40 - 140		%REC	1	03/23/11 02:18 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.72	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-Base1-10.0 (DUP)
Lab ID: 1103164-02
Collection Date: 03/18/11 11:02 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: DO
TPH-DRO C10-C28	31.8	2.93	9.78		mg/Kg-dry	1	03/24/11 09:05 AM
Surr: Isopropylbenzene	67.5	0	47 - 142		%REC	1	03/24/11 09:05 AM
Surr: Octacosane	131	0	25 - 162		%REC	1	03/24/11 09:05 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: CZ
Arsenic	1.20	0.476	0.951		mg/Kg-dry	5	03/23/11 09:35 PM
Lead	5.52	0.0951	0.285		mg/Kg-dry	5	03/23/11 09:35 PM
PAHs: GC/MS		SW8270C					Analyst: CZ
2-Methylnaphthalene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Acenaphthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Acenaphthylene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[a]anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[a]pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[b]fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[g,h,i]perylene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[k]fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Chrysene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Dibenz[a,h]anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Fluorene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Indeno[1,2,3-cd]pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Naphthalene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Phenanthrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Surr: 2-Fluorobiphenyl	89.5	0	40 - 140		%REC	1	03/23/11 02:50 PM
Surr: 4-Terphenyl-d14	111	0	40 - 140		%REC	1	03/23/11 02:50 PM
Percent Moisture		D2216					Analyst: JCG
Percent Moisture	2.66	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-NSW-7.0
Lab ID: 1103164-03
Collection Date: 03/18/11 11:10 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	<2.99	2.99	9.97		mg/Kg-dry	1	03/24/11 09:13 AM
Surr: Isopropylbenzene	67.0	0	47 - 142		%REC	1	03/24/11 09:13 AM
Surr: Octacosane	103	0	25 - 162		%REC	1	03/24/11 09:13 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.91	0.482	0.964		mg/Kg-dry	5	03/23/11 09:41 PM
Lead	6.04	0.0964	0.289		mg/Kg-dry	5	03/23/11 09:41 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Acenaphthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Acenaphthylene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[a]anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[a]pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[b]fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[g,h,i]perylene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[k]fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Chrysene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Dibenz[a,h]anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Fluorene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Indeno[1,2,3-cd]pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Naphthalene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Phenanthrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Surr: 2-Fluorobiphenyl	84.4	0	40 - 140		%REC	1	03/23/11 03:22 PM
Surr: 4-Terphenyl-d14	107	0	40 - 140		%REC	1	03/23/11 03:22 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	3.05	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-WSW-7.0
Lab ID: 1103164-04
Collection Date: 03/18/11 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	15.0	2.97	9.89		mg/Kg-dry	1	03/24/11 09:22 AM
Surr: Isopropylbenzene	74.9	0	47 - 142		%REC	1	03/24/11 09:22 AM
Surr: Octacosane	123	0	25 - 162		%REC	1	03/24/11 09:22 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.44	0.432	0.865		mg/Kg-dry	5	03/23/11 09:46 PM
Lead	8.72	0.0865	0.259		mg/Kg-dry	5	03/25/11 12:20 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Acenaphthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Acenaphthylene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[a]anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[a]pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[b]fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[g,h,i]perylene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[k]fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Chrysene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Dibenz[a,h]anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Fluorene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Indeno[1,2,3-cd]pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Naphthalene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Phenanthrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Surr: 2-Fluorobiphenyl	91.5	0	40 - 140		%REC	1	03/23/11 03:55 PM
Surr: 4-Terphenyl-d14	115	0	40 - 140		%REC	1	03/23/11 03:55 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.82	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-RB-0311
Lab ID: 1103164-05
Collection Date: 03/18/11 11:35 AM
Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water	M8015D						Analyst: DO
TPH-DRO C10-C28	<0.0500	0.0500	0.100		mg/L	1	03/22/11 01:48 PM
Surr: Isopropylbenzene	66.0	0	47 - 142		%REC	1	03/22/11 01:48 PM
Surr: Octacosane	121	0	51 - 124		%REC	1	03/22/11 01:48 PM
Trace Metals: ICP-MS - Water	SW6020						Analyst: AJR
Arsenic	<0.00200	0.00200	0.00600		mg/L	1	03/23/11 02:41 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	03/23/11 02:41 PM
PAHs: GC/MS	SW8270C						Analyst: CZ
2-Methylnaphthalene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Acenaphthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Acenaphthylene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[a]anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[a]pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[b]fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[g,h,i]perylene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[k]fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Chrysene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Dibenz[a,h]anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Fluorene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Indeno[1,2,3-cd]pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Naphthalene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Phenanthrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Surr: 2-Fluorobiphenyl	82.0	0	40 - 140		%REC	1	03/22/11 05:40 PM
Surr: 4-Terphenyl-d14	87.8	0	40 - 140		%REC	1	03/22/11 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-SSW-7.0
Lab ID: 1103164-06
Collection Date: 03/18/11 12:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: DO
TPH-DRO C10-C28	<2.89	2.89	9.63		mg/Kg-dry	1	03/24/11 09:31 AM
Surr: Isopropylbenzene	48.2	0	47 - 142		%REC	1	03/24/11 09:31 AM
Surr: Octacosane	106	0	25 - 162		%REC	1	03/24/11 09:31 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: CZ
Arsenic	1.42	0.481	0.962		mg/Kg-dry	5	03/23/11 09:52 PM
Lead	6.07	0.0962	0.289		mg/Kg-dry	5	03/24/11 12:12 PM
PAHs: GC/MS		SW8270C					Analyst: CZ
2-Methylnaphthalene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Acenaphthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Acenaphthylene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[a]anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[a]pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[b]fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[g,h,i]perylene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[k]fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Chrysene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Dibenz[a,h]anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Fluorene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Indeno[1,2,3-cd]pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Naphthalene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Phenanthrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Surr: 2-Fluorobiphenyl	84.8	0	40 - 140		%REC	1	03/23/11 04:27 PM
Surr: 4-Terphenyl-d14	110	0	40 - 140		%REC	1	03/23/11 04:27 PM
Percent Moisture		D2216					Analyst: JCG
Percent Moisture	2.88	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-ESW-7.0
Project:	SRC FFTA	Lab ID:	1103164-07
Project No:	32	Collection Date:	03/18/11 12:25 PM
Lab Order:	1103164	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: DO
TPH-DRO C10-C28	<3.12	3.12	10.4		mg/Kg-dry	1	03/24/11 09:40 AM
Surr: Isopropylbenzene	62.3	0	47 - 142		%REC	1	03/24/11 09:40 AM
Surr: Octacosane	107	0	25 - 162		%REC	1	03/24/11 09:40 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: CZ
Arsenic	1.56	0.512	1.02		mg/Kg-dry	5	03/23/11 09:57 PM
Lead	4.74	0.102	0.307		mg/Kg-dry	5	03/24/11 12:17 PM
PAHs: GC/MS		SW8270C					Analyst: CZ
2-Methylnaphthalene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Acenaphthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Acenaphthylene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[a]anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[a]pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[b]fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[g,h,i]perylene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[k]fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Chrysene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Dibenz[a,h]anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Fluorene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Indeno[1,2,3-cd]pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Naphthalene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Phenanthrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Surr: 2-Fluorobiphenyl	93.5	0	40 - 140		%REC	1	03/23/11 01:46 PM
Surr: 4-Terphenyl-d14	118	0	40 - 140		%REC	1	03/23/11 01:46 PM
Percent Moisture		D2216					Analyst: JCG
Percent Moisture	6.19	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-N-2.0
Lab ID: 1103164-08
Collection Date: 03/18/11 12:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: DO
TPH-DRO C10-C28	14.2	3.01	10.0		mg/Kg-dry	1	03/24/11 09:49 AM
Surr: Isopropylbenzene	63.7	0	47 - 142		%REC	1	03/24/11 09:49 AM
Surr: Octacosane	114	0	25 - 162		%REC	1	03/24/11 09:49 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: CZ
Arsenic	1.41	0.444	0.888		mg/Kg-dry	5	03/24/11 12:22 PM
Lead	7.02	0.0888	0.266		mg/Kg-dry	5	03/24/11 12:22 PM
PAHs: GC/MS		SW8270C					Analyst: CZ
2-Methylnaphthalene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Acenaphthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Acenaphthylene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[a]anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[a]pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[b]fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[g,h,i]perylene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[k]fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Chrysene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Dibenz[a,h]anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Fluorene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Indeno[1,2,3-cd]pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Naphthalene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Phenanthrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Surr: 2-Fluorobiphenyl	86.6	0	40 - 140		%REC	1	03/23/11 04:59 PM
Surr: 4-Terphenyl-d14	109	0	40 - 140		%REC	1	03/23/11 04:59 PM
Percent Moisture		D2216					Analyst: JCG
Percent Moisture	2.92	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_110322A

Sample ID:	LCS-45540	Batch ID:	45540	TestNo:	M8015D	Units:	mg/L
SampType:	LCS	Run ID:	GC15_110322A	Analysis Date:	03/22/11 01:12 PM	Prep Date:	03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1.02	0.100	1.250	0	81.3	50	114			
Surr: Isopropylbenzene	0.0915		0.1500		61.0	47	142			
Surr: Octacosane	0.170		0.1500		114	51	124			

Sample ID:	LCSD-45540	Batch ID:	45540	TestNo:	M8015D	Units:	mg/L
SampType:	LCSD	Run ID:	GC15_110322A	Analysis Date:	03/22/11 01:21 PM	Prep Date:	03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1.05	0.100	1.250	0	83.9	50	114	3.12	30	
Surr: Isopropylbenzene	0.0952		0.1500		63.5	47	142	0	0	
Surr: Octacosane	0.176		0.1500		117	51	124	0	0	

Sample ID:	MB-45540	Batch ID:	45540	TestNo:	M8015D	Units:	mg/L
SampType:	MBLK	Run ID:	GC15_110322A	Analysis Date:	03/22/11 01:39 PM	Prep Date:	03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	<0.0500	0.100								
Surr: Isopropylbenzene	0.0812		0.1500		54.1	47	142			
Surr: Octacosane	0.176		0.1500		117	51	124			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_110322A

Sample ID:	ICV-110322	Batch ID:	R54037		TestNo:		M8015D		Units:		mg/L
SampType:	ICV	Run ID:	GC15_110322A		Analysis Date:		03/22/11 09:07 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		521	0.100	500.0	0	104	80	120			
Surr: Isopropylbenzene		23.9		25.00		95.6	80	120			
Surr: Octacosane		28.5		25.00		114	80	120			

Sample ID:	CCV2-110322	Batch ID:	R54037		TestNo:		M8015D		Units:		mg/L
SampType:	CCV	Run ID:	GC15_110322A		Analysis Date:		03/22/11 11:25 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		252	0.100	250.0	0	101	80	120			
Surr: Isopropylbenzene		11.8		12.50		94.1	80	120			
Surr: Octacosane		14.4		12.50		115	80	120			

Sample ID:	CCV3-110322	Batch ID:	R54037		TestNo:		M8015D		Units:		mg/L
SampType:	CCV	Run ID:	GC15_110322A		Analysis Date:		03/22/11 01:57 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		255	0.100	250.0	0	102	80	120			
Surr: Isopropylbenzene		11.9		12.50		94.9	80	120			
Surr: Octacosane		14.5		12.50		116	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_110324A

Sample ID:	LCS-45559	Batch ID:	45559	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_110324A	Analysis Date:	03/24/11 08:29 AM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	104	10.0	125.0	0	83.0	50	114			
Surr: Isopropylbenzene	5.88		7.500		78.4	47	142			
Surr: Octacosane	7.68		7.500		102	25	162			

Sample ID:	MB-45559	Batch ID:	45559	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_110324A	Analysis Date:	03/24/11 08:47 AM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	<3.00	10.0								
Surr: Isopropylbenzene	5.81		7.500		77.4	47	142			
Surr: Octacosane	7.81		7.500		104	25	162			

Sample ID:	1103164-08AMS	Batch ID:	45559	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_110324A	Analysis Date:	03/24/11 10:13 AM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	99.6	10.2	127.7	14.21	66.9	50	114			
Surr: Isopropylbenzene	5.21		7.664		68.0	47	142			
Surr: Octacosane	8.23		7.664		107	25	162			

Sample ID:	1103164-08AMSD	Batch ID:	45559	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_110324A	Analysis Date:	03/24/11 10:22 AM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	98.2	10.3	128.2	14.21	65.5	50	114	1.44	30	
Surr: Isopropylbenzene	5.29		7.695		68.7	47	142	0	0	
Surr: Octacosane	8.44		7.695		110	25	162	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_110324A

Sample ID:	ICV-110324	Batch ID:	R54088		TestNo:		M8015D		Units:		mg/Kg
SampType:	ICV	Run ID:	GC15_110324A		Analysis Date:		03/24/11 08:19 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		525	10.0	500.0	0	105	80	120			
Surr: Isopropylbenzene		24.5		25.00		98.1	47	142			
Surr: Octacosane		28.5		25.00		114	25	162			

Sample ID:	CCV1-110324	Batch ID:	R54088		TestNo:		M8015D		Units:		mg/Kg
SampType:	CCV	Run ID:	GC15_110324A		Analysis Date:		03/24/11 09:58 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		259	10.0	250.0	0	104	80	120			
Surr: Isopropylbenzene		12.2		12.50		97.3	47	142			
Surr: Octacosane		13.2		12.50		105	25	162			

Sample ID:	CCV2-110324	Batch ID:	R54088		TestNo:		M8015D		Units:		mg/Kg
SampType:	CCV	Run ID:	GC15_110324A		Analysis Date:		03/24/11 11:52 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		267	10.0	250.0	0	107	80	120			
Surr: Isopropylbenzene		12.5		12.50		100	47	142			
Surr: Octacosane		14.9		12.50		120	25	162			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110323B

Sample ID:	MB-45550	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	MBLK	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:11 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<0.00200	0.00600								
Lead		<0.000300	0.00100								

Sample ID:	LCS-45550	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	LCS	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:17 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.192	0.00600	0.200	0	95.8	80	120			
Lead		0.194	0.00100	0.200	0	96.9	80	120			

Sample ID:	LCSD-45550	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	LCSD	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:23 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.187	0.00600	0.200	0	93.4	80	120	2.54	15	
Lead		0.189	0.00100	0.200	0	94.3	80	120	2.72	15	

Sample ID:	1103164-05A SD	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	SD	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:47 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<0.0100	0.0300	0	0				0	10	
Lead		<0.00150	0.00500	0	0				0	10	

Sample ID:	1103164-05A PDS	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	PDS	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:53 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.197	0.00600	0.200	0	98.7	75	125			
Lead		0.201	0.00100	0.200	0	101	75	125			

Sample ID:	1103164-05A MS	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	MS	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 02:59 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.187	0.00600	0.200	0	93.7	80	120			
Lead		0.192	0.00100	0.200	0	96.2	80	120			

Sample ID:	1103164-05A MSD	Batch ID:	45550		TestNo:		SW6020		Units:		mg/L
SampType:	MSD	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 03:05 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.186	0.00600	0.200	0	93.2	80	120	0.481	15	
Lead		0.190	0.00100	0.200	0	95.0	80	120	1.36	15	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110323B

Sample ID:	ICV1-110323	Batch ID:	R54079		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 11:43 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.102	0.00600	0.100	0	102	90	110			
Lead		0.0998	0.00100	0.100	0	99.8	90	110			

Sample ID:	CCV2-110323	Batch ID:	R54079		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 01:45 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.200	0.00600	0.200	0	100	90	110			
Lead		0.198	0.00100	0.200	0	99.2	90	110			

Sample ID:	CCV3-110323	Batch ID:	R54079		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110323B		Analysis Date:		03/23/11 03:10 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.195	0.00600	0.200	0	97.6	90	110			
Lead		0.198	0.00100	0.200	0	99.2	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_110323C

Sample ID:	MB-45545	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg
SampType:	MBLK	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 09:08 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<0.500	1.00								

Sample ID:	LCS-45545	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCS	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 09:13 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		45.1	1.00	50.00	0	90.2	80	120			
Lead		51.9	0.300	50.00	0	104	80	120			

Sample ID:	LCSD-45545	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCSD	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 09:19 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		44.4	1.00	50.00	0	88.8	80	120	1.62	20	
Lead		50.6	0.300	50.00	0	101	80	120	2.49	20	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_110323C

Sample ID:	ICV2-110323	Batch ID:	R54074		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 04:25 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.104	0.00600	0.100	0	104	90	110			
Lead		0.105	0.00100	0.100	0	105	90	110			

Sample ID:	CCV4-110323	Batch ID:	R54074		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 08:35 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.198	0.00600	0.200	0	98.9	90	110			
Lead		0.201	0.00100	0.200	0	101	90	110			

Sample ID:	CCV5-110323	Batch ID:	R54074		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_110323C		Analysis Date:		03/23/11 10:35 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.197	0.00600	0.200	0	98.5	90	110			
Lead		0.202	0.00100	0.200	0	101	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_110324A

Sample ID:	MB-45545	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg
SampType:	MBLK	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:00 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.288	0.300								

Sample ID:	1103164-08B SD	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:29 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		<2.22	4.44	0	1.408				0	10	
Lead		6.69	1.33	0	7.022				4.86	10	

Sample ID:	1103164-08B PDS	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:34 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		43.4	0.888	44.40	1.408	94.5	75	125			
Lead		53.7	0.266	44.40	7.022	105	75	125			

Sample ID:	1103164-08B MS	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	MS	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:39 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		41.2	0.873	43.65	1.408	91.2	80	120			
Lead		52.0	0.262	43.65	7.022	103	80	120			

Sample ID:	1103164-08B MSD	Batch ID:	45545		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:45 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		42.0	0.866	43.28	1.408	93.9	80	120	2.03	20	
Lead		51.8	0.260	43.28	7.022	104	80	120	0.342	20	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_110324A

Sample ID:	ICV1-110324	Batch ID:	R54107		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 11:38 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.105	0.00600	0.100	0	105	90	110			
Lead		0.105	0.00100	0.100	0	105	90	110			

Sample ID:	CCV1-110324	Batch ID:	R54107		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_110324A		Analysis Date:		03/24/11 12:50 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.206	0.00600	0.200	0	103	90	110			
Lead		0.212	0.00100	0.200	0	106	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_110325A

Sample ID:	ICV1-110325	Batch ID:	R54116		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_110325A		Analysis Date:		03/25/11 11:11 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.104	0.00100	0.100	0	104	90	110			

Sample ID:	CCV1-110325	Batch ID:	R54116		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_110325A		Analysis Date:		03/25/11 12:26 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.204	0.00100	0.200	0	102	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110322B

Sample ID:	LCS-45542	Batch ID:	45542	TestNo:	SW8270C	Units:	mg/L
SampType:	LCS	Run ID:	GCMS6_110322B	Analysis Date:	03/22/11 02:59 PM	Prep Date:	03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00367	0.0000500	0.00400	0	91.7	45	105			
Acenaphthene	0.00334	0.0000500	0.00400	0	83.4	45	110			
Acenaphthylene	0.00402	0.0000500	0.00400	0	101	50	105			
Anthracene	0.00346	0.0000500	0.00400	0	86.6	55	110			
Benzo[a]anthracene	0.00332	0.0000500	0.00400	0	82.9	55	110			
Benzo[a]pyrene	0.00376	0.0000500	0.00400	0	94.1	55	110			
Benzo[b]fluoranthene	0.00365	0.0000500	0.00400	0	91.3	45	120			
Benzo[g,h,i]perylene	0.00330	0.0000500	0.00400	0	82.5	40	125			
Benzo[k]fluoranthene	0.00317	0.0000500	0.00400	0	79.2	45	125			
Chrysene	0.00314	0.0000500	0.00400	0	78.6	55	110			
Dibenz[a,h]anthracene	0.00339	0.0000100	0.00400	0	84.8	40	125			
Fluoranthene	0.00379	0.0000500	0.00400	0	94.8	55	115			
Fluorene	0.00379	0.0000500	0.00400	0	94.7	50	110			
Indeno[1,2,3-cd]pyrene	0.00361	0.0000500	0.00400	0	90.3	45	125			
Naphthalene	0.00334	0.0000500	0.00400	0	83.4	40	100			
Phenanthrene	0.00324	0.0000500	0.00400	0	80.9	50	115			
Pyrene	0.00338	0.0000500	0.00400	0	84.6	50	130			
Surr: 2-Fluorobiphenyl	6.70		8.000		83.8	40	140			
Surr: 4-Terphenyl-d14	8.10		8.000		101	40	140			

Sample ID:	LCSD-45542	Batch ID:	45542	TestNo:	SW8270C	Units:	mg/L
SampType:	LCSD	Run ID:	GCMS6_110322B	Analysis Date:	03/22/11 03:31 PM	Prep Date:	03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00338	0.0000500	0.00400	0	84.5	45	105	8.10	30	
Acenaphthene	0.00318	0.0000500	0.00400	0	79.6	45	110	4.75	30	
Acenaphthylene	0.00377	0.0000500	0.00400	0	94.3	50	105	6.46	30	
Anthracene	0.00330	0.0000500	0.00400	0	82.4	55	110	4.94	30	
Benzo[a]anthracene	0.00323	0.0000500	0.00400	0	80.7	55	110	2.61	30	
Benzo[a]pyrene	0.00362	0.0000500	0.00400	0	90.6	55	110	3.78	30	
Benzo[b]fluoranthene	0.00350	0.0000500	0.00400	0	87.5	45	120	4.25	30	
Benzo[g,h,i]perylene	0.00324	0.0000500	0.00400	0	81.0	40	125	1.84	30	
Benzo[k]fluoranthene	0.00331	0.0000500	0.00400	0	82.8	45	125	4.47	30	
Chrysene	0.00306	0.0000500	0.00400	0	76.4	55	110	2.80	30	
Dibenz[a,h]anthracene	0.00334	0.0000100	0.00400	0	83.4	40	125	1.69	30	
Fluoranthene	0.00364	0.0000500	0.00400	0	90.9	55	115	4.19	30	
Fluorene	0.00358	0.0000500	0.00400	0	89.5	50	110	5.63	30	
Indeno[1,2,3-cd]pyrene	0.00355	0.0000500	0.00400	0	88.7	45	125	1.72	30	
Naphthalene	0.00307	0.0000500	0.00400	0	76.8	40	100	8.29	30	
Phenanthrene	0.00309	0.0000500	0.00400	0	77.3	50	115	4.57	30	
Pyrene	0.00333	0.0000500	0.00400	0	83.2	50	130	1.63	30	
Surr: 2-Fluorobiphenyl	6.34		8.000		79.3	40	140	0	0	
Surr: 4-Terphenyl-d14	7.53		8.000		94.1	40	140	0	0	

Sample ID:	MB-45542	Batch ID:	45542	TestNo:	SW8270C	Units:	mg/L

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110322B

SampType: MBLK Run ID: GCMS6_110322B Analysis Date: 03/22/11 05:08 PM Prep Date: 03/22/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	<0.0000250	0.0000500								
Acenaphthene	<0.0000250	0.0000500								
Acenaphthylene	<0.0000250	0.0000500								
Anthracene	<0.0000250	0.0000500								
Benzo[a]anthracene	<0.0000250	0.0000500								
Benzo[a]pyrene	<0.0000250	0.0000500								
Benzo[b]fluoranthene	<0.0000250	0.0000500								
Benzo[g,h,i]perylene	<0.0000250	0.0000500								
Benzo[k]fluoranthene	<0.0000250	0.0000500								
Chrysene	<0.0000250	0.0000500								
Dibenz[a,h]anthracene	<0.00000500	0.0000100								
Fluoranthene	<0.0000250	0.0000500								
Fluorene	<0.0000250	0.0000500								
Indeno[1,2,3-cd]pyrene	<0.0000250	0.0000500								
Naphthalene	<0.0000250	0.0000500								
Phenanthrene	<0.0000250	0.0000500								
Pyrene	<0.0000250	0.0000500								
Surr: 2-Fluorobiphenyl	6.34		8.000		79.3	40	140			
Surr: 4-Terphenyl-d14	7.71		8.000		96.4	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110322B

Sample ID:	ICV-110322	Batch ID:	R54077	TestNo:	SW8270C	Units:	mg/L
SampType:	ICV	Run ID:	GCMS6_110322B	Analysis Date:	03/22/11 11:14 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.20	0.0000500	2.00	0	110	80	120			
Acenaphthene	1.99	0.0000500	2.00	0	99.3	80	120			
Acenaphthylene	2.35	0.0000500	2.00	0	117	80	120			
Anthracene	2.09	0.0000500	2.00	0	104	80	120			
Benzo[a]anthracene	1.96	0.0000500	2.00	0	98.1	80	120			
Benzo[a]pyrene	2.29	0.0000500	2.00	0	114	80	120			
Benzo[b]fluoranthene	2.17	0.0000500	2.00	0	108	80	120			
Benzo[g,h,i]perylene	1.92	0.0000500	2.00	0	96.1	80	120			
Benzo[k]fluoranthene	1.92	0.0000500	2.00	0	95.8	80	120			
Chrysene	1.81	0.0000500	2.00	0	90.7	80	120			
Dibenz[a,h]anthracene	1.95	0.0000100	2.00	0	97.4	80	120			
Fluoranthene	2.20	0.0000500	2.00	0	110	80	120			
Fluorene	2.20	0.0000500	2.00	0	110	80	120			
Indeno[1,2,3-cd]pyrene	2.12	0.0000500	2.00	0	106	80	120			
Naphthalene	2.02	0.0000500	2.00	0	101	80	120			
Phenanthrene	1.86	0.0000500	2.00	0	92.8	80	120			
Pyrene	2.04	0.0000500	2.00	0	102	80	120			
Surr: 2-Fluorobiphenyl	2120		2000		106	40	140			
Surr: 4-Terphenyl-d14	2300		2000		115	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110323A

Sample ID:	LCS-45552	Batch ID:	45552	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS6_110323A	Analysis Date:	03/23/11 11:36 AM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.945	0.0100	1.000	0	94.5	45	105			
Acenaphthene	0.862	0.0100	1.000	0	86.2	45	110			
Acenaphthylene	1.01	0.0100	1.000	0	101	45	105			
Anthracene	0.898	0.0100	1.000	0	89.8	55	105			
Benzo[a]anthracene	0.858	0.0100	1.000	0	85.8	50	110			
Benzo[a]pyrene	0.960	0.0100	1.000	0	96.0	50	110			
Benzo[b]fluoranthene	0.948	0.0100	1.000	0	94.8	45	115			
Benzo[g,h,i]perylene	0.876	0.0100	1.000	0	87.6	40	125			
Benzo[k]fluoranthene	0.846	0.0100	1.000	0	84.6	45	125			
Chrysene	0.825	0.0100	1.000	0	82.5	55	110			
Dibenz[a,h]anthracene	0.873	0.0100	1.000	0	87.3	40	125			
Fluoranthene	0.983	0.0100	1.000	0	98.3	55	115			
Fluorene	0.954	0.0100	1.000	0	95.4	50	110			
Indeno[1,2,3-cd]pyrene	0.926	0.0100	1.000	0	92.6	40	120			
Naphthalene	0.852	0.0100	1.000	0	85.2	40	105			
Phenanthrene	0.859	0.0100	1.000	0	85.9	50	110			
Pyrene	0.908	0.0100	1.000	0	90.8	45	125			
Surr: 2-Fluorobiphenyl	3.66		4.000		91.4	40	140			
Surr: 4-Terphenyl-d14	4.60		4.000		115	40	140			

Sample ID:	MB-45552	Batch ID:	45552	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS6_110323A	Analysis Date:	03/23/11 01:13 PM	Prep Date:	03/23/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	<0.00500	0.0100								
Acenaphthene	<0.00500	0.0100								
Acenaphthylene	<0.00500	0.0100								
Anthracene	<0.00500	0.0100								
Benzo[a]anthracene	<0.00500	0.0100								
Benzo[a]pyrene	<0.00500	0.0100								
Benzo[b]fluoranthene	<0.00500	0.0100								
Benzo[g,h,i]perylene	<0.00500	0.0100								
Benzo[k]fluoranthene	<0.00500	0.0100								
Chrysene	<0.00500	0.0100								
Dibenz[a,h]anthracene	<0.00500	0.0100								
Fluoranthene	<0.00500	0.0100								
Fluorene	<0.00500	0.0100								
Indeno[1,2,3-cd]pyrene	<0.00500	0.0100								
Naphthalene	<0.00500	0.0100								
Phenanthrene	<0.00500	0.0100								
Pyrene	<0.00500	0.0100								
Surr: 2-Fluorobiphenyl	3.60		4.000		89.9	40	140			
Surr: 4-Terphenyl-d14	4.60		4.000		115	40	140			

Sample ID:	1103164-07AMS	Batch ID:	45552	TestNo:	SW8270C	Units:	mg/Kg-dry

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110323A

SampType: MS	Run ID:	GCMS6_110323A		Analysis Date:		03/23/11 05:31 PM		Prep Date:		03/23/11
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1.02	0.0105	1.049	0	97.0	45	105			
Acenaphthene	0.946	0.0105	1.049	0	90.1	45	110			
Acenaphthylene	1.11	0.0105	1.049	0	106	45	105			S
Anthracene	0.983	0.0105	1.049	0	93.7	55	105			
Benzo[a]anthracene	0.956	0.0105	1.049	0	91.1	50	110			
Benzo[a]pyrene	1.07	0.0105	1.049	0	102	50	110			
Benzo[b]fluoranthene	1.03	0.0105	1.049	0	98.2	45	115			
Benzo[g,h,i]perylene	0.891	0.0105	1.049	0	84.9	40	125			
Benzo[k]fluoranthene	0.851	0.0105	1.049	0	81.1	45	125			
Chrysene	0.896	0.0105	1.049	0	85.4	55	110			
Dibenz[a,h]anthracene	0.934	0.0105	1.049	0	89.0	40	125			
Fluoranthene	1.08	0.0105	1.049	0	103	55	115			
Fluorene	1.07	0.0105	1.049	0	102	50	110			
Indeno[1,2,3-cd]pyrene	0.984	0.0105	1.049	0	93.8	40	120			
Naphthalene	0.914	0.0105	1.049	0	87.1	40	105			
Phenanthrene	0.934	0.0105	1.049	0	89.0	50	110			
Pyrene	0.981	0.0105	1.049	0	93.5	45	125			
Surr: 2-Fluorobiphenyl	3.77		4.197		89.7	40	140			
Surr: 4-Terphenyl-d14	4.71		4.197		112	40	140			

Sample ID: 1103164-07AMSD	Batch ID:	45552		TestNo:		SW8270C		Units:		mg/Kg-dry
SampType: MSD	Run ID:	GCMS6_110323A		Analysis Date:		03/23/11 06:04 PM		Prep Date:		03/23/11
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1.02	0.0104	1.038	0	97.8	45	105	0.206	30	
Acenaphthene	0.957	0.0104	1.038	0	92.2	45	110	1.13	30	
Acenaphthylene	1.13	0.0104	1.038	0	108	45	105	1.69	30	S
Anthracene	0.994	0.0104	1.038	0	95.7	55	105	1.06	30	
Benzo[a]anthracene	0.973	0.0104	1.038	0	93.7	50	110	1.72	30	
Benzo[a]pyrene	1.10	0.0104	1.038	0	106	50	110	2.41	30	
Benzo[b]fluoranthene	1.09	0.0104	1.038	0	105	45	115	5.52	30	
Benzo[g,h,i]perylene	0.949	0.0104	1.038	0	91.4	40	125	6.31	30	
Benzo[k]fluoranthene	0.963	0.0104	1.038	0	92.8	45	125	12.3	30	
Chrysene	0.909	0.0104	1.038	0	87.6	55	110	1.48	30	
Dibenz[a,h]anthracene	0.984	0.0104	1.038	0	94.8	40	125	5.27	30	
Fluoranthene	1.09	0.0104	1.038	0	105	55	115	1.00	30	
Fluorene	1.07	0.0104	1.038	0	103	50	110	0.059	30	
Indeno[1,2,3-cd]pyrene	1.03	0.0104	1.038	0	99.6	40	120	4.91	30	
Naphthalene	0.923	0.0104	1.038	0	88.9	40	105	0.922	30	
Phenanthrene	0.945	0.0104	1.038	0	91.0	50	110	1.15	30	
Pyrene	1.01	0.0104	1.038	0	97.2	45	125	2.80	30	
Surr: 2-Fluorobiphenyl	3.89		4.152		93.6	40	140	0	0	
Surr: 4-Terphenyl-d14	4.84		4.152		117	40	140	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_110323A

Sample ID:	ICV-110323	Batch ID:	R54076	TestNo:	SW8270C	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS6_110323A	Analysis Date:	03/23/11 11:04 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.24	0.0100	2.000	0	112	80	120			
Acenaphthene	2.02	0.0100	2.000	0	101	80	120			
Acenaphthylene	2.38	0.0100	2.000	0	119	80	120			
Anthracene	2.09	0.0100	2.000	0	105	80	120			
Benzo[a]anthracene	1.94	0.0100	2.000	0	96.9	80	120			
Benzo[a]pyrene	2.29	0.0100	2.000	0	114	80	120			
Benzo[b]fluoranthene	2.18	0.0100	2.000	0	109	80	120			
Benzo[g,h,i]perylene	1.88	0.0100	2.000	0	94.0	80	120			
Benzo[k]fluoranthene	1.91	0.0100	2.000	0	95.5	80	120			
Chrysene	1.80	0.0100	2.000	0	90.2	80	120			
Dibenz[a,h]anthracene	1.95	0.0100	2.000	0	97.3	80	120			
Fluoranthene	2.16	0.0100	2.000	0	108	80	120			
Fluorene	2.21	0.0100	2.000	0	111	80	120			
Indeno[1,2,3-cd]pyrene	2.11	0.0100	2.000	0	105	80	120			
Naphthalene	2.04	0.0100	2.000	0	102	80	120			
Phenanthrene	1.86	0.0100	2.000	0	93.2	80	120			
Pyrene	1.99	0.0100	2.000	0	99.4	80	120			
Surr: 2-Fluorobiphenyl	2.15		2.000		107	40	140			
Surr: 4-Terphenyl-d14	2.20		2.000		110	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1103164
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_110323A

Sample ID:	1103164-01BDUP	Batch ID:	45553		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_110323A		Analysis Date:		03/23/11 02:00 PM		Prep Date:		03/23/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		2.68	0	0	2.718				1.45	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

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White Sands Missile Range-
Stallion Range FFTA RFI

Data Review

WHITE SANDS MISSLE RANGE, NEW MEXICO

Semivolatiles, DRO, and Metals Analyses

SDG #1103164

Analyses Performed By:
DHL Analytical, Inc.
Round Rock, Texas

Report #13952R
Review Level: Tier II
Project: GP08WSMR.0C76.000WP

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #1103164 for samples collected in association with the Stallion Range FFTA RFI. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	MET	DRO	MISC
STRC-0162-Base-10.0	1103164-01	Soil	3/18/2011			X	X	X	
STRC-0162-Base-10.0 (DUP)	1103164-02	Soil	3/18/2011			X	X	X	
STRC-0162-NSW-7.0	1103164-03	Soil	3/18/2011			X	X	X	
STRC-0162-WSW-7.0	1103164-04	Soil	3/18/2011			X	X	X	
STRC-0162-RB-0311	1103164-05	Soil	3/18/2011			X	X	X	
STRC-0162-SSW-7.0	1103164-06	Soil	3/18/2011			X	X	X	
STRC-0162-ESW-7.0	1103164-07	Soil	3/18/2011			X	X	X	
STRC-0162-N-2.0	1103164-08	Soil	3/18/2011			X	X	X	

Note:

1. Matrix spike/matrix spike duplicate (MS/MSD) was performed on sample location STRC-0162-ESW-7.0 and STRC-0162-N-2.0.
2. Metals analyses include Arsenic and Lead.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 8270C and 8015D. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

SEMI-VOLATILE VOLATILE ORGANIC COMPOUND (SVOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270 SIM-PAH	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cooled @ 4°C ± 2°C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cooled @ 4°C ± 2°C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
STRC-0162-ESW-7.0	Acenaphthylene	>UL	>UL

AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 40% for water matrices and 70% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
STRC-0162-Base-10.0/ STRC-0162-Base-10.0 (DUP)	All compounds	U	U	AC

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. Compound Identification

Compounds are identified on the GC/MS by laboratory personnel using the analytes relative retention time and ion spectra. These identifications were not reviewed by the data validator.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate(MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%R Percent recovery
RPD Relative percent difference

DIESEL RANGE ORGANICS (DRO) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8015D	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

5. Laboratory Control Sample (LCS) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 40% for water matrices and 70% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
STRC-0162-Base-10.0/ STRC-0162-Base-10.0 (DUP)	All compounds	10.1 U	9.78 U	AC

AC Acceptable
ND Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. Compound Identification

Compounds are identified on the GC by laboratory personnel using the analytes relative retention time. These identifications were not reviewed by the data validator.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR DRO

DRO; SW-846 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate(MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%RSD – relative standard deviation, %R - percent recovery, RPD - relative percent difference, %D – difference

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020. Data were reviewed in accordance with USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review of July 2002.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

  B The reported value was obtained from a reading less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).

- Quantitation (Q) Qualifiers

  E The reported value is estimated due to the presence of interference.

  N Spiked sample recovery is not within control limits.

  * Duplicate analysis is not within control limits.

- Validation Qualifiers

  J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

  UB Analyte considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

METALS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020	Soil	180 days from collection to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No qualification of the sample results was required.

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory qualifier "N" will be removed.

The MS/MSD analyses exhibited recoveries within the control limits.

3.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the CRDL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the CRDL, a control limit of one times the CRDL is applied for water matrices and two times the CRDL for soil matrices.

The laboratory duplicate sample results exhibited RPD within the control limit.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 40% for water matrices and 70% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
STRC-0162-Base-10.0/ STRC-0162-Base-10.0 (DUP)	Arsenic	1.18	1.20	AC
	Lead	8.77	5.52	45.5%

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS/LCSD analysis exhibited recoveries within and RPD between the control limits.

6. Furnace Analysis QC

No furnace analyses were performed on the samples.

7. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR METALS

METALS; SW-846 6020	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD RPD		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Reporting Limit Verification		X		X	
Moisture Content		X		X	

%R Percent recovery
RPD Relative percent difference

VALIDATION PERFORMED BY: Jeffrey L. Davin

SIGNATURE:

DATE: April 4, 2011

PEER REVIEW: Dennis Capria

DATE: April 21, 2011

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-Base-10.0
Lab ID: 1103164-01
Collection Date: 03/18/11 11:02 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	26.9	3.03	10.1		mg/Kg-dry	1	03/24/11 08:56 AM
Surr: Isopropylbenzene	54.9	0	47 - 142		%REC	1	03/24/11 08:56 AM
Surr: Octacosane	115	0	25 - 162		%REC	1	03/24/11 08:56 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.18	0.494	0.988		mg/Kg-dry	5	03/23/11 09:30 PM
Lead	8.77	0.0988	0.297		mg/Kg-dry	5	03/23/11 09:30 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Acenaphthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Acenaphthylene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[a]anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[a]pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[b]fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[g,h,i]perylene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Benzo[k]fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Chrysene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Dibenz[a,h]anthracene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Fluoranthene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Fluorene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Indeno[1,2,3-cd]pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Naphthalene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Phenanthrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Pyrene	<0.00502	0.00502	0.0100		mg/Kg-dry	1	03/23/11 02:18 PM
Surr: 2-Fluorobiphenyl	85.7	0	40 - 140		%REC	1	03/23/11 02:18 PM
Surr: 4-Terphenyl-d14	106	0	40 - 140		%REC	1	03/23/11 02:18 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.72	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-Base1-10.0 (DUP)
Lab ID: 1103164-02
Collection Date: 03/18/11 11:02 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	31.8	2.93	9.78		mg/Kg-dry	1	03/24/11 09:05 AM
Surr: Isopropylbenzene	67.5	0	47 - 142		%REC	1	03/24/11 09:05 AM
Surr: Octacosane	131	0	25 - 162		%REC	1	03/24/11 09:05 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.20	0.476	0.951		mg/Kg-dry	5	03/23/11 09:35 PM
Lead	5.52	0.0951	0.285		mg/Kg-dry	5	03/23/11 09:35 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Acenaphthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Acenaphthylene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[a]anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[a]pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[b]fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[g,h,i]perylene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Benzo[k]fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Chrysene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Dibenz[a,h]anthracene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Fluoranthene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Fluorene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Indeno[1,2,3-cd]pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Naphthalene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Phenanthrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Pyrene	<0.00489	0.00489	0.00978		mg/Kg-dry	1	03/23/11 02:50 PM
Surr: 2-Fluorobiphenyl	89.5	0	40 - 140		%REC	1	03/23/11 02:50 PM
Surr: 4-Terphenyl-d14	111	0	40 - 140		%REC	1	03/23/11 02:50 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.66	0	0		WT%	1	03/23/11 02:00 PM

alifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-NSW-7.0
Lab ID: 1103164-03
Collection Date: 03/18/11 11:10 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	<2.99	2.99	9.97		mg/Kg-dry	1	03/24/11 09:13 AM
Surr: Isopropylbenzene	67.0	0	47 - 142		%REC	1	03/24/11 09:13 AM
Surr: Octacosane	103	0	25 - 162		%REC	1	03/24/11 09:13 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.91	0.482	0.964		mg/Kg-dry	5	03/23/11 09:41 PM
Lead	6.04	0.0964	0.289		mg/Kg-dry	5	03/23/11 09:41 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Acenaphthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Acenaphthylene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[a]anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[a]pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[b]fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[g,h,i]perylene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Benzo[k]fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Chrysene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Dibenz[a,h]anthracene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Fluoranthene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Fluorene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Indeno[1,2,3-cd]pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Naphthalene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Phenanthrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Pyrene	<0.00474	0.00474	0.00949		mg/Kg-dry	1	03/23/11 03:22 PM
Surr: 2-Fluorobiphenyl	84.4	0	40 - 140		%REC	1	03/23/11 03:22 PM
Surr: 4-Terphenyl-d14	107	0	40 - 140		%REC	1	03/23/11 03:22 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	3.05	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-WSW-7.0
Lab ID: 1103164-04
Collection Date: 03/18/11 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	15.0	2.97	9.89		mg/Kg-dry	1	03/24/11 09:22 AM
Surr: Isopropylbenzene	74.9	0	47 - 142		%REC	1	03/24/11 09:22 AM
Surr: Octacosane	123	0	25 - 162		%REC	1	03/24/11 09:22 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.44	0.432	0.865		mg/Kg-dry	5	03/23/11 09:46 PM
Lead	8.72	0.0865	0.259		mg/Kg-dry	5	03/25/11 12:20 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Acenaphthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Acenaphthylene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[a]anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[a]pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[b]fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[g,h,i]perylene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Benzo[k]fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Chrysene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Dibenz[a,h]anthracene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Fluoranthene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Fluorene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Indeno[1,2,3-cd]pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Naphthalene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Phenanthrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Pyrene	<0.00494	0.00494	0.00988		mg/Kg-dry	1	03/23/11 03:55 PM
Surr: 2-Fluorobiphenyl	91.5	0	40 - 140		%REC	1	03/23/11 03:55 PM
Surr: 4-Terphenyl-d14	115	0	40 - 140		%REC	1	03/23/11 03:55 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.82	0	0		WT%	1	03/23/11 02:00 PM

alifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-RB-0311
Lab ID: 1103164-05
Collection Date: 03/18/11 11:35 AM
Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	<0.0500	0.0500	0.100		mg/L	1	03/22/11 01:48 PM
Surr: Isopropylbenzene	66.0	0	47 - 142		%REC	1	03/22/11 01:48 PM
Surr: Octacosane	121	0	51 - 124		%REC	1	03/22/11 01:48 PM
Trace Metals: ICP-MS - Water		**SW6020**					**Analyst: AJR**
Arsenic	<0.00200	0.00200	0.00600		mg/L	1	03/23/11 02:41 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	03/23/11 02:41 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Acenaphthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Acenaphthylene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[a]anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[a]pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[b]fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[g,h,i]perylene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Benzo[k]fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Chrysene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Dibenz[a,h]anthracene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Fluoranthene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Fluorene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Indeno[1,2,3-cd]pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Naphthalene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Phenanthrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Pyrene	<0.000100	0.000100	0.000200		mg/L	1	03/22/11 05:40 PM
Surr: 2-Fluorobiphenyl	82.0	0	40 - 140		%REC	1	03/22/11 05:40 PM
Surr: 4-Terphenyl-d14	87.8	0	40 - 140		%REC	1	03/22/11 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 03/25/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-SSW-7.0
Lab ID: 1103164-06
Collection Date: 03/18/11 12:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	<2.89	2.89	9.63		mg/Kg-dry	1	03/24/11 09:31 AM
Surr: Isopropylbenzene	48.2	0	47 - 142		%REC	1	03/24/11 09:31 AM
Surr: Octacosane	106	0	25 - 162		%REC	1	03/24/11 09:31 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.42	0.481	0.962		mg/Kg-dry	5	03/23/11 09:52 PM
Lead	6.07	0.0962	0.289		mg/Kg-dry	5	03/24/11 12:12 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Acenaphthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Acenaphthylene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[a]anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[a]pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[b]fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[g,h,i]perylene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Benzo[k]fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Chrysene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Dibenz[a,h]anthracene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Fluoranthene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Fluorene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Indeno[1,2,3-cd]pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Naphthalene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Phenanthrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Pyrene	<0.00475	0.00475	0.00949		mg/Kg-dry	1	03/23/11 04:27 PM
Surr: 2-Fluorobiphenyl	84.8	0	40 - 140		%REC	1	03/23/11 04:27 PM
Surr: 4-Terphenyl-d14	110	0	40 - 140		%REC	1	03/23/11 04:27 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.88	0	0		WT%	1	03/23/11 02:00 PM

ılifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-ESW-7.0
Lab ID: 1103164-07
Collection Date: 03/18/11 12:25 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	<3.12	3.12	10.4		mg/Kg-dry	1	03/24/11 09:40 AM
Surr: Isopropylbenzene	62.3	0	47 - 142		%REC	1	03/24/11 09:40 AM
Surr: Octacosane	107	0	25 - 162		%REC	1	03/24/11 09:40 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.56	0.512	1.02		mg/Kg-dry	5	03/23/11 09:57 PM
Lead	4.74	0.102	0.307		mg/Kg-dry	5	03/24/11 12:17 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Acenaphthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Acenaphthylene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[a]anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[a]pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[b]fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[g,h,i]perylene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Benzo[k]fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Chrysene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Dibenz[a,h]anthracene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Fluoranthene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Fluorene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Indeno[1,2,3-cd]pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Naphthalene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Phenanthrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Pyrene	<0.00523	0.00523	0.0105		mg/Kg-dry	1	03/23/11 01:46 PM
Surr: 2-Fluorobiphenyl	93.5	0	40 - 140		%REC	1	03/23/11 01:46 PM
Surr: 4-Terphenyl-d14	118	0	40 - 140		%REC	1	03/23/11 01:46 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	6.19	0	0		WT%	1	03/23/11 02:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 32
Lab Order: 1103164

Client Sample ID: STRC-0162-N-2.0
Lab ID: 1103164-08
Collection Date: 03/18/11 12:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: DO**
TPH-DRO C10-C28	14.2	3.01	10.0		mg/Kg-dry	1	03/24/11 09:49 AM
Surr: Isopropylbenzene	63.7	0	47 - 142		%REC	1	03/24/11 09:49 AM
Surr: Octacosane	114	0	25 - 162		%REC	1	03/24/11 09:49 AM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: CZ**
Arsenic	1.41	0.444	0.888		mg/Kg-dry	5	03/24/11 12:22 PM
Lead	7.02	0.0888	0.266		mg/Kg-dry	5	03/24/11 12:22 PM
PAHs: GC/MS		**SW8270C**					**Analyst: CZ**
2-Methylnaphthalene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Acenaphthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Acenaphthylene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[a]anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[a]pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[b]fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[g,h,i]perylene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Benzo[k]fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Chrysene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Dibenz[a,h]anthracene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Fluoranthene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Fluorene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Indeno[1,2,3-cd]pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Naphthalene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Phenanthrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Pyrene	<0.00504	0.00504	0.0101		mg/Kg-dry	1	03/23/11 04:59 PM
Surr: 2-Fluorobiphenyl	86.6	0	40 - 140		%REC	1	03/23/11 04:59 PM
Surr: 4-Terphenyl-d14	109	0	40 - 140		%REC	1	03/23/11 04:59 PM
Percent Moisture		**D2216**					**Analyst: JCG**
Percent Moisture	2.92	0	0		WT%	1	03/23/11 02:00 PM

ıalifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL ANALYTICAL

2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 49039

CHAIN-OF-CUSTODY

CLIENT: Zia Engineering
ADDRESS: PO Box 40 WSMR NM 88002
PHONE: 678-3397 (575) FAX/E-MAIL:
DATA REPORTED TO: Bradley Davis
ADDITIONAL REPORT COPIES TO: Pam Krueger

DATE: 3-18-11 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 1103164
PROJECT LOCATION OR NAME: SRC FFTA
CLENT PROJECT #: 32 COLLECTOR: Brad Davis

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR L=LIQUID P=PAINT SL=SLUDGE O=OTHER SO=SOLID

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES BTEX ☐ MTBE ☐ (METHOD 8021)	TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐	GRO (METHOD 8015) ☐ GRO (METHOD 8015) ☐	VOC 8260 ☐ VOC 624 (8) VOC 8260/5035 ☐	SVOC 8270 ☐ SVOC 625 (8) HOLD PAH ☐ SVOC 625 ☐	8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐	8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐	8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐	METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐	RCRA ☐ TX11 ☐	PH ☐ HEX CHROM ☐ ALKALINITY ☐	CHLORIDE ☐ ANIONS ☐	TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐	TCLP-METALS ☐ RCRA 8 ☐ TX 11 ☐ Pb ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	Arsenic	Lead	FIELD NOTES
STRC-0162-Base-10.0	01	3-18-11	1102	Soil	glass Jar	2				X				X		X												X	X		
STRC-0162-Base2-10.0	02	3-18-11	1102	Soil	glass Jar	2				X				X		X												X	X		
STRC-0162-NSW-7.0	03	3-18-11	1110	Soil	"	2				X				X		X												X	X		
STRC-0162-WSW-7.0	04	3-18-11	1115	Soil	"	2				X				X		X												X	X		
STRC-0162-RB-0311	05	3-18-11	1135	W	glass + poly	5	X	X		X				X		X												X	X		
STRC-0162-SSW-7.0	06	3-18-11	1220	Soil	glass	2				X				X		X												X	X		
STRC-0162-ESW-7.0	07	3-18-11	1205	Soil	glass	2				X				X		X												X	X		
STRC-0162-N-2.0	08	3-18-11	1232	Soil	glass	2				X				X		X												X	X		
TOTAL																															

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Brad T. Davis	3-21-11 1515	Fedex
Fedex	3/22/11 955	[signature]

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 72 Hour

LABORATORY USE ONLY:
RECEIVING TEMP: 4.3 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☒ INTACT ☐ NOT USED
☒ CARRIER BILL #: Fedex
☐ APC DELIVERY
☐ HAND DELIVERED

ARCADIS

Appendix D

Clean Backfill Documentation

THIS MEMORANDUM a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier's Name: _____ Carrier's No. _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at 350 Valley Chili (Date) _____ FROM Rhino Environmental

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO WSMR - Stallion Range

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Stallion Range Street WSMR Pkt 7 City _____

_____ County Sierra State NM Zip _____

Route _____ Delivery Address★ _____

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier _____ Car or Vehicle Initials and No. _____

Collect on Delivery $ _____ And Remit to _____

_____ Street _____ City _____ State _____

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
3/18		Fill Sand (Clean)	20	yd³	

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE.—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

525 Shipper, Per 3/18/11

Permanent post-office address of shipper,

Brad T. Rice Agent

Per

3

B-3576/9013 3-Part Stock Form

STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL – NOT NEGOTIABLE

Shipper's No. _____

Carrier's Name: _____ Carrier's No. _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Hwy 54, Otero County, NM [redacted] FROM Rhino Environmental Services

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO WSMR - Stallion Range

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Stallion Range Street WSMR P Route 7 City _____

County Socorro State NM Zip _____

Route _____ Delivery Address★ _____

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier _____ Car or Vehicle Initials and No. _____

Collect on Delivery $ _____ And Remit to _____

Street _____ City _____ State _____

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
3/17		Clean Fill Material (red sand)	20	yd³	
3/18		Clean fill Material (red sand)	20	yd³	3-18-11 BTD

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†"The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Gustavo Esquivel [redacted] Per _____

Permanent post-office address of shipper,

Per _____ [redacted]

1

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI/ JOSE OJEDA**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E** Receipt: **05-15-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***CLEAN FILL*** Collected: *05-15-07 10:00:00* By: *JO*
Matrix: ***SOIL***

Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705511-0001A		**SW846 3050B/6010B ICP**					By:	AZC		
M07525	MT.2007.854.22	7440-38-2	Arsenic	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-39-3	Barium	35.3	mg/kg	10	0.15		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-43-9	Cadmium	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-47-3	Chromium	5.76	mg/kg	10	0.1		05-17-07	05-18-07
M07525	MT.2007.854.22	7439-92-1	Lead	8.46	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.872.22	7782-49-2	Selenium	ND	mg/kg	10	0.5		05-17-07	05-23-07
M07525	MT.2007.854.22	7440-22-4	Silver	ND	mg/kg	10	0.25		05-17-07	05-18-07
0705511-0001A		**SW846 7471B CVAA**					By:	DPA		
M07534	MT.2007.914.13	7439-97-6	Mercury	ND	ug/Kg	1	20		05-29-07	05-29-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

REPRODUCTION OF THIS REPORT IN LESS THAN FULL REQUIRES THE WRITTEN CONSENT OF AAL.
THIS REPORT MAY NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab job No. 0705511 Date 5-15-07

Page 1 of 1

Client: Rhino Environmental
Address: PO Box 310
City / State / Zip: Sanville, TX 79835
Project Name / Number: Rhino Clean-Fill
Contract / Purchase Order / Quote: José Ojeda

Project Manager / Contact: José Ojeda
Telephone No.: (915) 886-4355
Fax No.: (915) 886-4358
Samplers : (signature):

Analysis Required

AAL Position Number	Field Sample Number / Location	Date	Time	Sample Type	Type & Size of Container	Preservative Ice	Preservative Chemical	No. of Containers											Remarks
0701A	Clean Fill	5-15-07	10:00	Soil	8 oz Glass	Ice	-	1	8										

OFFICE USE ONLY

Relinquished by:	Date	Received by:	Relinquished by:	Date	Received by:
Signature: José Ojeda	5-15-07	Signature: [illegible]	Signature: [illegible]	5/16/07	Signature: [illegible]
Printed: José Ojeda	Time: 10:42	Printed: Alfonso Gutierrez	Printed: Alfonso Gutierrez	Time: 1010	Printed:
Company: Rhino		Company: AAL-EP	Company: AAL-EP		Company: AAL
Reason: Analysis		Reason: Transp.	Reason: Analysis		Reason:

Method of Shipment:
Shipment No.:
Special Instructions:

Comments:

After analysis, samples are to be:
- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

ASSAIGAI PROJECT FILE

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**

: **RHINO CLEAN-FILL**

Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**

Batch: **M07525**

Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07525-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.20	7440-38-2	Arsenic	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-39-3	Barium	ND	mg/kg		1	0.15		05-18-07
MT.2007.854.20	7440-43-9	Cadmium	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-47-3	Chromium	ND	mg/kg		1	0.1		05-18-07
MT.2007.854.20	7439-92-1	Lead	0.454	mg/kg		1	0.25		05-18-07
MT.2007.872.20	7782-49-2	Selenium	ND	mg/kg		1	0.5		05-23-07
MT.2007.854.20	7440-22-4	Silver	ND	mg/kg		1	0.25		05-18-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07525-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.21	7440-38-2	Arsenic	100.1	% Recovery	80 - 120	1	NA		05-18-07
[illegible]07.854.21	7440-39-3	Barium	97.3	% Recovery	80 - 120	1	NA		05-18-07
[illegible]7.854.21	7440-43-9	Cadmium	95.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-47-3	Chromium	98.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7439-92-1	Lead	112.4	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.872.21	7782-49-2	Selenium	94.6	% Recovery	80 - 120	1	NA		05-23-07
MT.2007.854.21	7440-22-4	Silver	96.9	% Recovery	80 - 120	1	NA		05-18-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07525-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.23	7440-38-2	Arsenic	44.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-39-3	Barium	120.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-43-9	Cadmium	82.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-47-3	Chromium	88.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7439-92-1	Lead	17.4	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.23	7782-49-2	Selenium	111.7	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.23	7440-22-4	Silver	97.3	% Recovery	80 - 120	10	NA		05-18-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	200	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	8.70	RPD	0 - 20	10	NA		05-18-07
[illegible]7.854.24	7440-43-9	Cadmium	2.76	RPD	0 - 20	10	NA		05-18-07
[illegible]07.854.24	7440-47-3	Chromium	5.84	RPD	0 - 20	10	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**
Batch: **M07525**
Matrix: ***SOLID***

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7439-92-1	Lead	7.90	RPD	0 - 20	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	7.08	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	14.9	RPD	0 - 20	10	NA		05-18-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	0.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	51.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-43-9	Cadmium	79.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-47-3	Chromium	77.1	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7439-92-1	Lead	32.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	104.1	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	83.8	% Recovery	80 - 120	10	NA		05-18

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07525-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.25	7440-38-2	Arsenic	NA	RPD	0 - 20	10	NA		05-13-07
MT.2007.854.25	7440-39-3	Barium	4.99	RPD	0 - 20	10	NA		05-13-07
MT.2007.854.25	7440-43-9	Cadmium	NA	RPD	0 - 20	10	NA		05-13-07
MT.2007.854.25	7440-47-3	Chromium	0.914	RPD	0 - 20	10	NA		05-13-07
MT.2007.854.25	7439-92-1	Lead	43.2	RPD	0 - 20	10	NA		05-13-07
MT.2007.872.25	7782-49-2	Selenium	NA	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.25	7440-22-4	Silver	NA	RPD	0 - 20	10	NA		05-13-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07525-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.26	7440-38-2	Arsenic	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-39-3	Barium	1.67	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-43-9	Cadmium	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-47-3	Chromium	9.75	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7439-92-1	Lead	22.9	RPD	0 - 20	50	NA		05-18-07
MT.2007.872.26	7782-49-2	Selenium	NA	RPD	0 - 20	50	NA		05-23-07
MT.2007.854.26	7440-22-4	Silver	NA	RPD	0 - 20	50	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**

Project: **RHINO CLEAN-FILL**

Order: **0705511 RHI01E**

Test: **SW846 7471B CVAA**

Batch: **M07564**

Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07564-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.11	7439-97-6	Mercury	ND	ug/Kg		1	20		05-29-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07564-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.12	7439-97-6	Mercury	96.4	% Recovery	80 - 120	1	NA		05-29-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07564-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.14	7439-97-6	Mercury	98.5	% Recovery	80 - 120	1	NA		05-29-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	3.79	RPD	0 - 20	1	NA		05-29-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	94.8	% Recovery	80 - 120	1	NA		05-29-07

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07564-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.16	7439-97-6	Mercury	NA	RPD	0 - 20	1	NA		05-29-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07564-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.17	7439-97-6	Mercury	NA	RPD	0 - 20	5	NA		05-29-07

ARCADIS

Appendix E

Waste Disposal Records

RHINO ENVIRONMENTAL SERVICES, INC.

GENERATOR'S WASTE PROFILE SHEET **Profile No.**_____

Waste Generator Information

1. Generator's Name: US Army White Sands Missile Range 2.SIC Code: _____
3. Generator's Address: 100 Headquarters Avenue, WSMR, NM 88002 Ph: 575-678-1007
4. Site Address: Stallion Range Center, Former Fire Fighting Training Area. Soil Boring #6 Location.
5. LUST #: _____ 6. USEPA/Federal ID #: NM2750211235 7. State ID#: _____
8. Excluded waste under 40 CFR 261.4 ☐ Yes X No
9. Technical Contact: Benito Avalos 9. Phone: 575-678-1007

Waste Stream Information

1. Type of Contaminant: Gasoline _____ Diesel X Waste Oil _____ Other _____

2. Process Generating Waste: Soil was contaminated with fuel during fire fighting training activities in the 1980's and earlier.

3. Projected Volume: 40 CY 4. Soil: X Water: _____ Sludge: _____

5. Special Instructions/Supplemental Information: Site is a known fire fighting training area. Waste characterization is based on site knowledge and chemical analysis of soil samples collected during an investigation of the site. Specifically, samples from Soil boring #6 [Sample IDs: STRC-0162-SB-006-(0.5-1.0); STRC-0162-SB-006-(4.0-5.0); and STRC-0162-SB-006-(8.0-9.0)]. Results show a highest DRO detection of 1,280 mg/kg. The surface sample for lead has a total concentration of 371 mg/kg. Due to this result a surface sample was recollected at the site and run using the TCLP method with a lead result of 0.00548 mg/l. Using the 20X rule, the other Total RCRA 8 metals detections are below TCLP toxicity levels of concern. Laboratory results are attached.

Waste Soil / Water Properties

1. Type of Soil - Sand: x Gravel: x Sandy Loam: _____ Clay: _____ Other: _____
2. Analytical Data - BTEX: ND ppm, Method : total 8260
   TPH: 1,280 ppm, Method 8015
   TCLP: 0.00548 ppm, Method TCLP 6020 for lead
   Other: PCB = not detected, Method SW8082
   Radioactivity = background

Representative Sample Certification

1. Sampler's Name: Bradley Davis 2. Sample Date: 1/20/10 and 2/1/11

3. Sampler's Title: Geologist 4. Sampler's Employer: Zia Engineering

5.Sampler'sSignature: _____

6. Analytical Data Enclosed (inclusive of quality control data and COC) - Yes: X No: _____

Generator Certification

By signing this profile sheet, the generator certifies that:

1. This waste is not a "Hazardous Waste" as defined by USEPA and/or the state/province.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCBs (polychlorinated Biphenyls).
3. This waste is not regulated by the Oil Conservation Division.
4. This sheet and attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
5. The analytical data presented herein or attached hereto were derived from testing representative samples taken in accordance with 40 CFR 261.20(c) or equivalent rules.
6. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature: _____ Title: _____

Printed Name: _____ Date: _____

Bradley Davis

From: Hart, Mike CIV USA IMCOM [mike.hart1@us.army.mil]
Sent: Monday, February 28, 2011 10:07 AM
To: Avalos, Benito CIV US USA
Cc: Bradley Davis
Subject: RE: Analysis Approval (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Benito,
After a review of the analysis performed by SV-NP of two soil samples taken by ZIA Engineering at the Fire Fighter Training Area at Stallion Range Center. I have determined that there is no radioactivity present that is above normal background for that area. We are aware that the soils in that area do contain small amounts of thorium and uranium. It is also recommended that any future soil samples taken from an area include a background sample taken near the area in question. Our office will be glad to assist in the future in identifying sample methodology for radioactivity if needed.

Mike Hart

Installation Safety Office
White Sands Missile Range
Phone: 575-678-2757
Fax: 575-678-5435
DSN: 258-XXXX
e-mail: mike.hart1@us.army.mil

"Ability is what you're capable of doing. Motivation determines what you do. Attitude determines how well you do it." - Lou Holtz

-----Original Message-----
From: Avalos, Benito CIV US USA
Sent: Wednesday, February 23, 2011 11:40 AM
To: Hart, Mike CIV USA IMCOM
Cc: Bradley Davis
Subject: Analysis Approval (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: FOUO

Hello Mike,

I believe Mr. Brad Davis of Zia Engineering has provided you with soil analysis for the Fire Fighter Training Area at Stallion Range Center (Ref: Sample # SPRC-FFTA-SB-006). I would like to request your radiological

review of the soil analysis so that we may proceed with the disposal process. Please let me know if you need additional information and thank you for your help.

You may contact Brad directly as well if you need any other information.

Thanks.

Benito

Benito Avalos

White Sands Missile Range

Restoration Program Manager

IMWE-WSM-PW-E-EC

Phone: 678-5359

Classification: UNCLASSIFIED
Caveats: FOUO

Classification: UNCLASSIFIED
Caveats: FOUO

ENVIRONMENTAL SOIL ACTIVITY REPORT

2/22/2011 12:30:01PM

Batch Name: Soil from ZIA/ Samle ID-STRC-FFTA-SB-006

Batch ID: 3,080

Group: H

Device: unit 1

Selected Geometry: 5/16" Stainless Steel

Acquisition Date: 2/17/2011

Acquisition Time: (minutes) 20.0

Operating Voltage: (volts) 1,350.0

Alpha Efficiency: 0.34

Beta Efficiency: 0.48

Alpha Bkgd 0.00 cpm

Beta Bkgd 0.00 cpm

Sample ID	SAMPLE WT. GMS.	Beta ncpm	UNC	PICOCURIES GM	+or-0.95 CL	COMMENTS:
sample 1	10.00	32.45	1.27	39.68	2.73	
sample 2	10.00	29.85	1.22	36.51	2.61	

Reviewed by: 2-22-2011

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO.

PROJECT NAME: SRC FFTA

SAMPLER'S SIGNATURE: [signature]

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Radiological										REMARKS
2-1-11	0925	SRC-FFTA-SB-006	Soil		1	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: 678-3397 Brad Davis	SAMPLES RECEIVED		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) John Hunter
	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 15:00 / 2-15-2011
VIA: Courier	GOOD CONDITION/CHILLED		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		
	CONFORMS TO RECORD				

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

February 04, 2011

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

TEL: (575) 678-3397
FAX: (575) 532-1587

Order No: 1102016

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 1 sample(s) on 2/2/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-10-3 & DoD ELAP #ADE-1416 v2

Table of Contents

Miscellaneous Documents 3

Case Narrative 10

Sample Summary 11

Prep Dates Report 12

TCLP Dates Report 13

Analytical Dates Report 14

Sample Results 15

Analytical QC Summary Report 16

zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

#1102014

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: SRC FFTA

SAMPLER'S SIGNATURE: Brad Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH Ext									REMARKS
2-1-11	0925	STRC-0162-SB-006-(0.5-2)	Soil		1	X									

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED	yes	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	1	(PRINTED NAME) Bradley Davis	(PRINTED NAME)	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	no	RECEIVED BY: (SIGNATURE) Fedex	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	65°	(TIME/DATE)	(TIME/DATE) 2/2/11 1345	(TIME/DATE)
VIA: Fed EX	CONFORMS TO RECORD	Sum #57	SPECIAL INSTRUCTIONS/COMMENTS: ~~PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS~~ * Rush Analysis		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

From: (575) 678-4243
Gabe Garcia
ZIA ENGINEERING - GARRISON
Bldg 128, 3rd Floor

WSMR, NM 88002

Origin ID: LRUA

FedEx Express

Ship Date: 01FEB11
Act Wgt: 5.0 LB
CAD: 10200508/INET3130

Delivery Address Bar Code

Ref # LCS-09-015 BG 6025
Invoice #
PO #
Dept #

SHIP TO: (512) 388-8222 BILL SENDER

Jennifer Barker
DHL Analytical Labs
2300 DOUBLE CREEK DR

ROUND ROCK, TX 78664

WED - 02 FEB A1
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DHL Analytical

Sample Receipt Checklist

Client Name Zis Engineering & Environmental

Date Received: 2/2/2011

Work Order Number 1102016

Received by JB

Checklist completed by: [signature] 2/2/11 (Signature / Date)

Reviewed by JD 02/02/11 (Initials / Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	6.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Page 1 of 0

Laboratory Data Package Signature Page

This data package consists of:

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

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - 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.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager

Signature

02/04/11
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: SRC FFTA	Date: 2/4/2011
Reviewer Name: Angie O'Donnell	Laboratory Work Order:1102016
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		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) Were % 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) Where 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 (if applicable)?	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 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) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	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).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: SRC FFTA	Date: 2/4/2011
Reviewer Name: Angie O'Donnell	Laboratory Work Order:1102016

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within 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 Continuing Calibration blank (CCB):**					
		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):**					
		1) 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)**					
		1) Were the raw data (for example, 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**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	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				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) 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).

DCS REPORTING

RunID:	ICP-MS2_110125A	Prep Date:	1/24/2011
SampID:	DCS-44727-1	Anaysis Date:	1/25/2011
TestNo:	SW6020	Units:	µg/L
BatchID:	44727		

Analyte	Result	RL	SPK Val	%REC	Low Limit	High Limit	Flag
Antimony	1.12	1	1	112	70	130	
Cadmium	0.322	0.3	0.3	107	70	130	
Calcium	31.6	300	25	126	70	130	
Iron	30.3	150	25	121	70	130	
Lead	0.328	0.3	0.3	110	70	130	
Magnesium	26.8	300	25	107	70	130	
Selenium	0.380	2	0.3	127	70	130	
Silver	0.496	0.5	0.5	99.3	70	130	

CLIENT:	Zia Engineering & Environmental	
Project:	SRC FFTA	CASE NARRATIVE
Lab Order:	1102016	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW1311/6020 - TCLP Metals

LOG IN

Samples were received on and log-in performed on 2/2/2011. A total of 1 sample was received and was analyzed. The sample arrived in good condition and was properly packaged.

TCLP METALS

The sample results were below TCLP or RCRA characterization limits. The sample is therefore non-hazardous for the parameters that were analyzed.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Client used own container for sample container.
This sample delivery group arrives at DHL Analytical 2/2/2011. The sample summary, sent via email from Log-in to client on 2/2/2011, is kept in the project folder.

DHL Analytical

Date: 02/04/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1102016-01	STRC-0162-SB-006-(0.5-1.0)		02/01/11 09:25 AM	02/02/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW3005A	Aq Prep Metals : ICP-MS	02/03/11 08:37 AM	44887

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

TCLP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW1311	TCLP Sample Prep (Metals)	02/02/11 05:00 PM	44881

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102016

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1102016-01A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW1311/6020	TCLP Metals	44887	1	02/03/11 09:28 PM	ICP-MS2_110203A

DHL Analytical

Date: 02/04/11

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-006-(0.5-1.0)
Project:	SRC FFTA	Lab ID:	1102016-01
Project No:		Collection Date:	02/01/11 09:25 AM
Lab Order:	1102016	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TCLP Metals		SW1311/6020					Analyst: AJR
Lead	0.00548	0.00300	0.0100	J	mg/L	1	02/03/11 09:28 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1102016
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110203A

Sample ID:	MB-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	MBLK	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 08:59 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		<0.000300	0.00100								

Sample ID:	MB-44881 TCLP	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	MBLK	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:05 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		<0.000300	0.00100	0							

Sample ID:	LCS-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	LCS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:11 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.182	0.00100	0.2000	0	91.0	80	120			

Sample ID:	LCSD-44887	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	LCSD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:16 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.182	0.00100	0.2000	0	91.2	80	120	0.219	15	

Sample ID:	1102016-01A SD	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	SD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:34 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		<0.0150	0.0500	0	0.005480				0	10	

Sample ID:	1102016-01A PDS	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	PDS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:40 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		1.96	0.0100	2.000	0.005480	97.6	75	125			

Sample ID:	1102016-01A MS	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	MS	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:46 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		1.87	0.0100	2.000	0.005480	93.1	80	120			

Sample ID:	1102016-01A MSD	Batch ID:	44887		TestNo:		SW1311/6020		Units:		mg/L
SampType:	MSD	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:52 PM		Prep Date:		02/03/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		1.85	0.0100	2.000	0.005480	92.1	80	120	1.02	15	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102016
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_110203A

Sample ID:	ICV1-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 02:34 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.0963	0.00100	0.100	0	96.3	90	110			

Sample ID:	CCV3-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 08:17 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.194	0.00100	0.200	0	97.2	90	110			

Sample ID:	CCV4-110203	Batch ID:	R53346		TestNo:		SW1311/6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_110203A		Analysis Date:		02/03/11 09:58 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Lead		0.191	0.00100	0.200	0	95.6	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

February 15, 2011

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

TEL: (575) 678-3397
FAX: (575) 532-1587

Order No: 1102090

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 1 sample(s) on 2/14/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-10-3 & DoD ELAP #ADE-1416 v2

Table of Contents

Miscellaneous Documents 3

Case Narrative 9

Sample Summary 10

Prep Dates Report 11

Analytical Dates Report 12

Sample Results 13

Analytical QC Summary Report 14

zia engineering & environmental consultants, llc

755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 p
575-532-1587 f

#T102090
~~#110201c~~

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brad Davis	

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Pb-Pb	PCB								REMARKS
2-1-11	0925	STRC-0162-SB-006(0.5-1.0)	Soil		1	X									

Analyzed per Pam Quinn on attached for analysis-gp

PROJECT INFORMATION	SAMPLES RECEIVED	4°C	1. RELINQUISHED BY: (SIGNATURE) Brad Davis	2. RELINQUISHED BY: (SIGNATURE) Fed Ex	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	1	(PRINTED NAME) Bradley Davis	(PRINTED NAME)	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	NO	RECEIVED BY: (SIGNATURE) Fed Ex	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	6.5°	(TIME/DATE)	(TIME/DATE) 2/2/11 1345	(TIME/DATE)
VIA: Fed EX	CONFORMS TO RECORD	Yes/No	SPECIAL INSTRUCTIONS/COMMENTS: ~~PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS~~ * Rush Analysis		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental | Date Received: 2/14/2011

Work Order Number 1102090 | Received by JB

Checklist completed by: Signature [signature] Date 2/14/11 Reviewed by Initials SS Date 2-14-11

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	6.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Page 1 of 0

Laboratory Data Package Signature Page

This data package consists of:

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

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - 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.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager

Signature

02/15/11
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: SRC FFTA	Date: 2/15/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1102090
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		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) Were % 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) Where 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 (if applicable)?	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 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) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	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).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: SRC FFTA	Date: 2/15/11
Reviewer Name: Carlos Castro	Laboratory Work Order: 1102090

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within 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 Continuing Calibration blank (CCB):**					
		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):**					
		1) 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)**					
		1) Were the raw data (for example, 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**					
		1) Did dual column confirmation results meet the method-required QC?	X				
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?			X		
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	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				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

p

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).

DCS REPORTING

RunID:	GC16_110203B	Prep Date:	1/31/2011
SampID:	DCS-44833	Analysis Date:	2/3/2011
TestNo:	SW8082	Units:	mg/Kg
BatchID:	44833		

Analyte	Result	RL	SPK Val	%REC	Low Limit	High Limit	Flag
Aroclor 1016	0.0819	0.1	0.075	109	20	400	
Aroclor 1260	0.0782	0.1	0.075	104	20	400	

CLIENT:	Zia Engineering & Environmental	CASE NARRATIVE
Project:	SRC FFTA	
Lab Order:	1102090	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW8082 - PCB Analysis
Method D2216 - Percent Moisture

LOG IN

The sample was added on and log-in performed on 2/14/11. A total of 1 sample was received and it was analyzed. The sample arrived in good condition and was properly packaged.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Client used own container for sample container.
This sample delivery group arrives at DHL Analytical 2/2/2011. The sample summary, sent via email from Log-in to client on 2/2/2011, is kept in project folder 1102016.

DHL Analytical

Date: 02/15/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1102090-01	STRC-0162-SB-006-(0.5-1.0)		02/01/11 09:25 AM	02/14/11

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1102090-01A	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	SW3550B	Soil Prep Sonication: PCB	02/14/11 02:19 PM	45024
	STRC-0162-SB-006-(0.5-1.0)	02/01/11 09:25 AM	Soil	D2216	Moisture Preparation	02/14/11 01:53 PM	45020

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1102090

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1102090-01A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8082	PCB by GC - Soil/Solid	45024	1	02/15/11 12:14 AM	GC16_110214B
	STRC-0162-SB-006-(0.5-1.0)	Soil	D2216	Percent Moisture	45020	1	02/15/11 09:40 AM	PMOIST_110214B

DHL Analytical

Date: 02/15/11

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	STRC-0162-SB-006-(0.5-1.0)
Project:	SRC FFTA	Lab ID:	1102090-01
Project No:		Collection Date:	02/01/11 09:25 AM
Lab Order:	1102090	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB by GC - Soil/Solid	SW8082						Analyst: DO
Aroclor 1016	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1221	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1232	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1242	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1248	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1254	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Aroclor 1260	<0.0315	0.0315	0.105		mg/Kg-dry	1	02/15/11 12:14 AM
Surr: Decachlorobiphenyl	87.4	0	60 - 125		%REC	1	02/15/11 12:14 AM
Surr: Tetrachloro-m-xylene	85.0	0	70 - 125		%REC	1	02/15/11 12:14 AM
Percent Moisture	D2216						Analyst: JCG
Percent Moisture	6.39	0	0		WT%	1	02/15/11 09:40 AM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_110214B

Sample ID:	LCS-45024	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg
SampType:	LCS	Run ID:	GC16_110214B	Analysis Date:	02/14/11 11:21 PM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.855	0.100	1.000	0	85.5	40	140			
Aroclor 1260	0.856	0.100	1.000	0	85.6	60	130			
Surr: Decachlorobiphenyl	0.0957		0.1000		95.7	60	125			
Surr: Tetrachloro-m-xylene	0.0907		0.1000		90.7	70	125			

Sample ID:	MB-45024	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC16_110214B	Analysis Date:	02/14/11 11:48 PM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	<0.0300	0.100								
Aroclor 1221	<0.0300	0.100								
Aroclor 1232	<0.0300	0.100								
Aroclor 1242	<0.0300	0.100								
Aroclor 1248	<0.0300	0.100								
Aroclor 1254	<0.0300	0.100								
Aroclor 1260	<0.0300	0.100								
Surr: Decachlorobiphenyl	0.0945		0.1000		94.5	60	125			
Surr: Tetrachloro-m-xylene	0.0941		0.1000		94.1	70	125			

Sample ID:	1102090-01AMS	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC16_110214B	Analysis Date:	02/15/11 12:40 AM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.867	0.105	1.055	0	82.2	40	140			
Aroclor 1260	0.869	0.105	1.055	0	82.4	60	130			
Surr: Decachlorobiphenyl	0.0980		0.1055		92.9	60	125			
Surr: Tetrachloro-m-xylene	0.0939		0.1055		89.1	70	125			

Sample ID:	1102090-01AMSD	Batch ID:	45024	TestNo:	SW8082	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC16_110214B	Analysis Date:	02/15/11 01:06 AM	Prep Date:	02/14/11

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016	0.838	0.103	1.031	0	81.2	40	140	3.42	30	
Aroclor 1260	0.843	0.103	1.031	0	81.8	60	130	2.99	30	
Surr: Decachlorobiphenyl	0.0972		0.1031		94.3	60	125	0		
Surr: Tetrachloro-m-xylene	0.0925		0.1031		89.7	70	125	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_110214B

Sample ID:	ICV-110214	Batch ID:	R53499		TestNo:		SW8082		Units:		mg/Kg
SampType:	ICV	Run ID:	GC16_110214B		Analysis Date:		02/14/11 10:28 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016		2.01	0.100	2.000	0	100	80	120			
Aroclor 1260		2.01	0.100	2.000	0	100	80	120			
Surr: Decachlorobiphenyl		0.200		0.2000		100	80	120			
Surr: Tetrachloro-m-xylene		0.201		0.2000		100	80	120			

Sample ID:	CCV1-110214	Batch ID:	R53499		TestNo:		SW8082		Units:		mg/Kg
SampType:	CCV	Run ID:	GC16_110214B		Analysis Date:		02/15/11 01:33 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Aroclor 1016		0.879	0.100	1.000	0	87.9	80	120			
Aroclor 1260		0.946	0.100	1.000	0	94.6	80	120			
Surr: Decachlorobiphenyl		0.101		0.1000		101	80	120			
Surr: Tetrachloro-m-xylene		0.0992		0.1000		99.2	80	120			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1102090
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_110214B

Sample ID:	1102081-02ADUP	Batch ID:	45020		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_110214B		Analysis Date:		02/15/11 09:40 AM		Prep Date:		02/14/11
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		12.2	0	0	11.19				8.64	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

DHL ANALYTICAL

February 05, 2010

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011

TEL: (575) 678-3397
FAX: (575) 532-1587

Order No: 1001149

RE: SRC FFTA

Dear Brad Davis:

DHL Analytical received 55 sample(s) on 1/22/2010 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.1 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-09-1

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Miscellaneous Documents 3

Case Narrative 19

Sample Summary 22

Prep Dates Report 24

Analytical Dates Report 34

Sample Results 44

Analytical QC Summary Report 179

zia engineering & environmental consultants, llc

J. Taylor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 ...
575-532-1587 f

DHL WO #: 1001149

CHAIN OF CUSTODY RECORD

PAGE 1 OF 5

PROJECT NO. 18

PROJECT NAME SRC FFTA

SAMPLER'S SIGNATURE Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	RCRA 8 metals	VOCs	GRO/DRO	PAHs							REMARKS
1-20-10	0832	STRC-0162-BG-001-(0.5-1.0)	Soil	01	1	X										Note: Trip Blank Lab No. 19
1-20-10	0816	STRC-0162-BG-001-(4.0-5.0)	Soil	02	1	X										VOCs - STRC-0162-
1-20-10	0838	STRC-0162-BG-001-(14.0-15.0)	Soil	03	1	X										TB-005-0110
1-20-10	0830	STRC-0162-BG-001-(9.0-10.0)	Soil	04	1	X										1708 1-20-10
1-20-10	0931	STRC-0162-BG-002-(14.0-15.0)	Soil	05	1	X										
1-20-10	0914	STRC-0162-BG-002-(4.0-5.0)	Soil	06	1	X										
1-20-10	0900	STRC-0162-BG-002-(0.5-1.0)	Soil	07	1	X										
1-20-10	1020	STRC-0162-BG-103-(14.0-15.0)	Soil	08	1	X										
1-20-10	1020	STRC-0162-BG-003-(14.0-15.0)	Soil	09	1	X										
1-20-10	1017	STRC-0162-BG-003-(9.0-10.0)	Soil	10	1	X										
1-20-10	0945	STRC-0162-BG-003-(0.5-1.0)	Soil	11	1	X										
1-20-10	1004	STRC-0162-BG-003-(4.0-5.0)	Soil	12	1	X										
1-20-10	0924	STRC-0162-BG-002-(9.0-10.0)	Soil	13	1	X										
1-20-10	1634	STRC-0162-SB-008-(0.5-1.0)	Soil	14	3	X	X	X	X							
1-20-10	1645	STRC-0162-SB-008-(4.0-5.0)	Soil	15	3	X	X	X	X							
1-20-10	1657	STRC-0162-SB-008-(9.0-10.0)	Soil	16	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-008-(14.0-15.0)	Soil	17	3	X	X	X	X							
1-20-10	1708	STRC-0162-SB-108-(14.0-15.0)	Soil	18	3	X	X	X	X							

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE) Brad T. Davis	2. RELINQUISHED BY: (SIGNATURE) FED EX	3. RECEIVED BY LAB: (SIGNATURE) A. Kuhaneck
PROJECT MANAGER Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	3.3°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 4.0°C Therm #: 57 Custody seal intact		

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Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

DHL WO #: 1001149

CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 Metals 6010B	DRO/GRO 8015						REMARKS
1-20-10	1240	STRC-0162-SB-003-(0.5-1.0)	Soil	20	3	X	X	X	X						
1-20-10	1250	STRC-0162-SB-003-(4.0-5.0)	Soil	21	3	X	X	X	X						
1-20-10	1307	STRC-0162-SB-003-(14.0-15.0)	Soil	22	3	X	X	X	X						(14.0-15.0)
1-20-10	1256	STRC-0162-SB-003-(9.0-10.0)	Soil	23	3	X	X	X	X						
1-20-10	1322	STRC-0162-SB-104-(0.5-1.0)	Soil	24	3	X	X	X	X						
1-20-10	1312	STRC-0162-SB-004-(0.5-1.0)	Soil	25	3	X	X	X	X						
1-20-10	1332	STRC-0162-SB-004-(4.0-5.0)	Soil	26	3	X	X	X	X						
1-20-10	1339	STRC-0162-SB-004-(9.0-10.0)	Soil	27	3	X	X	X	X						
1-20-10	1345	STRC-0162-SB-004-(14.0-15.0)	Soil	28	3	X	X	X	X						
1-20-10	1410	STRC-0162-SB-005-(0.5-1.0)	Soil	29	3	X	X	X	X						
1-20-10	1420	STRC-0162-SB-005-(4.0-5.0)	Soil	30	3	X	X	X	X						
1-20-10	1420	STRC-0162-TB-002-0110	water	01	2		X								

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		Bradley T. Davis	FED EX	A. Kuhaneck
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
	GOOD CONDITION/COOLED	5.1°C	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
VIA: FedEX	CONFORMS TO RECORD		(TIME/DATE) 1/21/10 ~~FED EX~~ ak	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0952
			SPECIAL INSTRUCTIONS/COMMENTS: custody seal intact Receiving temp: 5.1°C Therm#: 57		

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575-532-1587 f

CHAIN OF CUSTODY RECORD

PROJECT NO. 18
PROJECT NAME SRC FFTA
SAMPLER'S SIGNATURE Brad T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270	VOCs 8260	RCRA 8 Metals 6010	DRO/GRO 8015						REMARKS
1-20-10	1439	STRC-0162-SB-005-(14.0-15.0)	Soil	32	3	X	X	X	X						
1-20-10	1430	STRC-0162-SB-005-(9.0-10.0)	Soil	33	3	X	X	X	X						
1-20-10	1456	STRC-0162-SB-006-(0.5-1.0)	Soil	34	3	X	X	X	X						
1-20-10	1510	STRC-0162-SB-006-(4.0-5.0)	Soil	35	3	X	X	X	X						
1-20-10	1514	STRC-0162-SB-006-(8.0-9.0)	Soil	36	3	X	X	X	X						
1-20-10	1523	STRC-0162-SB-006-(14.0-15.0)	Soil	37	3	X	X	X	X						
1-20-10	1523	STRC-0162-SB-006-(14.0-15.0)	Soil	38	3	X	X	X	X						
1-20-10	1546	STRC-0162-SB-007-(0.5-1.0)	Soil	39	3	X	X	X	X						
1-20-10	1609	STRC-0162-SB-007-(14.0-15.0)	Soil	40	3	X	X	X	X						
1-20-10	1558	STRC-0162-SB-007-(4.0-5.0)	Soil	41	3	X	X	X	X						
1-20-10	1603	STRC-0162-SB-007-(9.0-10.0)	Soil	42	3	X	X	X	X						
1-20-10	1603	STRC-0162-TB-003-0110	Water	43	2		X								Trip Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER Brad Davis	SAMPLES RECEIVED		Brad T. Davis	FED EX	A. Kuhaneck
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.5C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/10 - 0950	(TIME/DATE) 1/22/10. 0950
VIA: FedEX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Custody seal intact - Receiving temp: 4.5°C Therm#: 57		

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CHAIN OF CUSTODY RECORD

PROJECT NO.: 18
PROJECT NAME: SRC FFTA
SAMPLER'S SIGNATURE: Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	DRO/GRO 8015	RCRA 8 metals 6010A		Ignitability	full SVOCs 8270C				REMARKS
1-20-10	1045	STRC-0162-SB-001-(0.5-1.0)	soil	44	3	X	X	X	X		X	X				
1-20-10	1058	STRC-0162-SB-001-(4.0-5.0)	soil	45	3	X	X	X	X							
1-20-10	1103	STRC-0162-SB-001-(9.0-10.0)	soil	46	3	X	X	X	X		X	X				
1-20-10	1115	STRC-0162-SB-001-(14.0-15.0)	soil	47	3	X	X	X	X							
1-20-10	1131	STRC-0162-SB-002-(0.5-1.0)	soil	48	3	X	X	X	X							
1-20-10	1142	STRC-0162-SB-002-(4.0-5.0)	soil	49	3	X	X	X	X							
1-20-10	1146	STRC-0162-SB-002-(9.0-10.0)	soil	50	3	X	X	X	X							
1-20-10	1154	STRC-0162-SB-002-(14.0-15.0)	soil	51	3	X	X	X	X							
1-20-10	1154	STRC-0162-TB-001-0110	water	52	2		X									Trip Blank

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	3.6°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 3.6°C Therm#: 57 - Custody Seals intact.		

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CHAIN OF CUSTODY RECORD

PROJECT NO. 18
PROJECT NAME SRC FFTA
SAMPLER'S SIGNATURE Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	PAHs 8270C	VOCs 8260B	RCRA 8 metals 6010B	DRO/GRO 8015						REMARKS
1-21-10	1220	STRC-0162-RB-001-0110	Water	53	11	X	X	X	X						Equipment Blank
1-21-10	1350	STRC-0162-FB-001-0110	Water	54	3		X								field blank
1-21-10	1350	STRC-0162-TB-004-0110	Water	55	2		X								Trip Blank

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME) FED EX	(PRINTED NAME) A. KUHANECK
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	Intact	RECEIVED BY: (SIGNATURE) FED EX	RECEIVED BY: (SIGNATURE) A. Kuhaneck	(COMPANY) DHL ANALYTICAL
	GOOD CONDITION/CHILLED	4.0°C	(TIME/DATE) 1/21/2010	(TIME/DATE) 1/22/2010 0950	(TIME/DATE) 1/22/2010 0950
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Receiving temp: 4.0°C Therm #: 57 custody seal intact		

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FedEx Express USA Airbill 832603063317

0200 Form I.D. No. FedEx Retrieval Copy

1 From
Date 1-21-10 Sender's FedEx Account Number 4648944489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015B618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR.
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
City ROUND ROCK State TX ZIP 78664

832603063317

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
77 [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery to select locations
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
[ ] Cargo Aircraft Only
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or using FedEx Extra Hours service.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. [ ] Obtain Recip. Acct. No.
1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date
Total Packages Total Weight 150 lbs Total Charges
Credit Card Auth.
Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature — Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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446

3

FedEx Express USA Airbill 832603063339 0200 FedEx Retrieval Copy

1 From
Date 1-21-10 Sender's FedEx Account Number 464894489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015B618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR.
City ROUND ROCK State TX ZIP 78664

4a Express Package Service — Packages up to 150 lbs.
1 X FedEx Priority Overnight
5 FedEx Standard Overnight
6 FedEx First Overnight
3 FedEx 2Day
20 FedEx Express Saver
77 NEW FedEx Extra Hours

4b Express Freight Service — Packages over 150 lbs.
7 FedEx 1Day Freight*
8 FedEx 2Day Freight
83 FedEx 3Day Freight

5 Packaging
6 FedEx Envelope*
2 FedEx Pak*
1 X Other Pkg

6 Special Handling
3 SATURDAY Delivery
1 HOLD Weekday at FedEx Location
HOLD Saturday at FedEx Location
Does this shipment contain dangerous goods?
X No 4 Yes 5 X Yes 6 Dry Ice

7 Payment
1 X Sender 2 Recipient 3 Third Party 4 Credit Card 5 Cash/Check

Total Packages Total Weight X 65 lbs Total Charges

8 Release Signature

446

Rev. Date 7/01 Part #157254 GBPE 10/01

8326 0306 3339

Receiving time 1:50 [illegible]

CUSTODY SEAL
DATE 1-21-10
SIGNATURE [illegible]

QEC
Quality Environmental Containers
800-255-3950 · 304-255-3900

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

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FedEx Express

rbill 8326030633394

0200 Form I.D. No.

FedEx Retrieval Copy

1 From

Date 1-21-10 FedEx Tracking Number 4648944489

Sender's Name BRAD DAVIS Phone 575 678-3397

Company ZIA ENGINEERING + ENVIRONMENTAL

Address BLDG 126, 3RD FLOOR Dept./Floor/Suite/Room

City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015BG18

3 To

Recipient's Name JOHN DUPONT Phone 512 388-8222

Company DHL ANALITICAL

Address 2300 DOUBLE CREEK DR

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City ROUND ROCK State TX ZIP 78664

8326 0306 3394

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate
77 [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging — * Declared value limit $500

6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg* — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery — Available only for: FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for: FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
[ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment Bill to: — Enter FedEx Acct. No. or Credit Card No. below.

1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
[ ] Obtain Recip. Acct. No.

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 1 Total Weight X 68 lbs Total Charges

Credit Card Auth.

[1] Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature — Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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5)

FedEx Express USA Airbill 8326 0306 3328

0200 Form I.D. No.

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1 From
Date 1-21-10 Sender's FedEx Account Number 4648 94489
Sender's Name BRAD DAVIS Phone 575 678-3397
Company ZIA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002

2 Your Internal Billing Reference LCS09015B618

3 To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR.
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
City ROUND ROCK State TX ZIP 78664

8326 0306 3328

4a Express Package Service — Packages up to 150 lb.
Delivery commitment may be later in some areas
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate
77 [ ] NEW FedEx Extra Hour — Later drop-off with next business afternoon delivery for select locations

4b Express Freight Service — Packages over 150 lb.
Delivery commitment may be later in some areas
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation.

5 Packaging
* Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations
Does the shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.
[ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
[ ] Obtain Recip. Acct. No.
1 [X] Sender — Acct. No. in Section 1 will be billed
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Chec
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 1 Total Weight 4165 lbs Total Charges
Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature — *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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FedEx Express USA Airbill

8326 0306 3340

0200

FedEx Retrieval Copy

From
Date 1-21-10 Sender's FedEx Account Number 4648 94489
Sender's Name BRAD DAVIS Phone 575 678-5597
Company ZTA ENGINEERING + ENVIRONMENTAL
Address BLDG 126, 3RD FLOOR
Dept./Floor/Suite/Room
City WSMR State NM ZIP 88002
Your Internal Billing Reference LCS09015 BG18

To
Recipient's Name JOHN DUPONT Phone 512 388-8222
Company DHL ANALYTICAL
Address 2300 DOUBLE CREEK DR
For "HOLD" at FedEx location, print FedEx address here. We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
City ROUND ROCK State TX ZIP 78664

8326 0306 3340

4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.
1 [X] FedEx Priority Overnight — Next business morning
5 [ ] FedEx Standard Overnight — Next business afternoon
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
3 [ ] FedEx 2Day — Second business day
20 [ ] FedEx Express Saver — Third business day
77 [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.
7 [ ] FedEx 1Day Freight* — Next business day
8 [ ] FedEx 2Day Freight — Second business day
83 [ ] FedEx 3Day Freight — Third business day
* Call for Confirmation:

5 Packaging — * Declared value limit $500
6 [ ] FedEx Envelope*
2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
1 [X] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
1 [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
31 [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.
[X] No
4 [ ] Yes — As per attached Shipper's Declaration
[ ] Yes — Shipper's Declaration not required
6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg
Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Express Home service.
[ ] Cargo Aircraft Only

7 Payment Bill to: — Enter FedEx Acct. No. or Credit Card No. below.
1 [X] Sender — Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
4 [ ] Credit Card
5 [ ] Cash/Check
[ ] Obtain Recip. Acct. No.
FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages ____ Total Weight x 68 lbs Total Charges ____ Credit Card Auth. ____

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature — *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

440

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SEAL
FUR
1-10
Bill to Dupont
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QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental — Date Received: 1/22/2010

Work Order Number 1001149 — Received by AK

List completed by: AKuhaneck (Signature) 1/22/2010 (Date) — Reviewed by KH (Initials) 1-22-10 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	4.0 °C, 5.1°C, 4.5°C, 3.6°C, 4.0°C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? NO Checked by SS

Any No response must be detailed in the comments section below.

Client contacted Zia Date contacted: 1-25-10 Person contacted Brad Davis

Contacted by: JBaker Regarding: Trip Blank - STRC-0102-TB-05-0110

Comments: Informed client STRC-0102-TB-05-0110 was not present in cooler, proceed with all other analysis.

Corrective Action logged samples in for requested analysis

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: **GCMS4**

DATA Folder: **GCMS#8-100202A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	**Analyte #1** Identification & Reason	**Analyte #2** Identification & Reason	**Analyte #3** Identification & Reason	**Analyte #4** Identification & Reason
ICV-100202	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time. PD 2/4/10		
DCS1-39319	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
LCS-39319	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
100149-46C-MS	MI for benzoic acid because of wrong retention time.	MI for benzo(b)fluoranthene because of wrong retention time.		
100149-46C-MSD	MI for benzoic acid because of wrong retention time.			
MB-39319	N/A			
1001116-26B	N/A			
1001149-44C	N/A			
1001149-46C	N/A			

***Manually Integrated = MI**

P.D
Analyst

2/4/10
Date

2nd Level Review

2.4.2010
Date

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

nstrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
ICV-100129	N/A			
LCS-39282	N/A			
MB-39282	N/A			
1001149-32C	N/A			
1001149-32C	N/A			
1001149-37C	N/A			
1001149-38C	N/A			
1001149-39C	N/A			
ICV2-100129	N/A			

***Manually Integrated = MI**

D.O
Analyst

2/3/10
Date

2nd Level Review

2-3-2010
Date

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
1001149-36C-MS	M.I for benzo(b)fluoranthene because of poor resolution.	M.I for benzo(k)fluoranthene because of poor resolution.	M.I for indeno(1,2,3-cd)pyrene because of wrong retention time.	
1001149-36C-MSD	M.I for benzo(b)fluoranthene because of poor resolution.	M.I for benzo(k)fluoranthene because of poor resolution.	M.I for indeno(1,2,3-cd)pyrene because of wrong retention time.	
1001149-40C	N/A			
1001149-41C	N/A			
1001149-42C	N/A			
1001149-44C	N/A			
1001149-45C	N/A			
1001149-46C	N/A			
1001149-47C	N/A			

***Manually Integrated = MI**

P.O
Analyst

2/2/10
Date

2nd Level Review

2-3-2010
Date

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

nstrument ID: GCMS8 **DATA Folder: GCMS#8-100129A**

Sample ID ICAL, ICV, and CCV QC and Field Samples		Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
1001149-48C	N/A				
1001149-49C	N/A				
1001149-50C	N/A				
1001149-51C	N/A				
1001149-34C	N/A				
1001149-35C	N/A				
1001149-36C	N/A				
1001149-35C (10x)	N/A				
1001149-36C (10x)	N/A				

***Manually Integrated = MI**

D.O 2/3/10

Analyst **Date**

2·3·2010

2nd Level Review **Date**

Manual IntegrationsGCMSDATA2

Manual Integrations Tracking Form - DoD QSM 4.1 Requirement

Instrument ID: GCMS4

Calibration Folder: GCMS#4-SV100201 CAL.

Sample ID	Analyte #1 Identification & Reason	Analyte #2 Identification & Reason	Analyte #3 Identification & Reason	Analyte #4 Identification & Reason
CAL 1 0.04 ppm	M.I for benzo(k)fluoranthene because of poor resolution.			
CAL 2 0.2 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for benzo(b)fluoranthene because wrong peak was integrated.		
CAL 3 0.5 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 4 1.0 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 5 2.0 ppm	M.I for benzo(b)fluoranthene because wrong peak was integrated.			
CAL 6 3.0 ppm	N/A			
CAL 7 4.0 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for Dimethylphenethylamine because of poor resolution.		
CAL 8 5.0 ppm	M.I for benzoic acid because wrong peak was integrated.			
SSCV 2.0 ppm	M.I for benzoic acid because wrong peak was integrated.	M.I for benzo(b)fluoranthene because wrong peak was integrated.		

*Manually Integrated = MI

D.O — Analyst

2/5/10 — Date

2nd Level Review

2/5/10 — Date

Manual IntegrationsGCMSCAL

CLIENT:	Zia Engineering & Environmental	CASE NARRATIVE
Project:	SRC FFTA	
Lab Order:	1001149	

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.1 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW8260B - Volatile Organics
Method SW8270C - PAH Organics (The compounds 1-Methylnaphthalene, 1-Chloronaphthalene and Dibenz(a,j)acridine are not NELAC Certified)
Method SW6020 - Metals Analysis
Method SW7470A/7471A - Total Mercury
Method M8015V - Modified 8015 Gasoline - (GRO)
Method M8015D - TPH Extractable by GC - (DRO)
Method D2216 - Percent Moisture
Method SW1010 - Ignitability

LOG IN

Samples were received on and log-in performed on 1/22/2010. A total of 54 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged. Sample STRC-0162-TB-005-0110 was included on the Chain of Custody and not included in the icechest. The client was informed on 1/25/2010, and DHL was instructed to proceed with remaining analyses.

DRO ANALYSIS

For GRO Analysis, the recovery of surrogate Isopropylbenzene in Samples -25, -32, -33, -53, the Laboratory Control Spike (LCS-39190), the Matrix Spike and Matrix Spike Duplicate (1001147-01 MS/MSD) and Method Blanks (MB-39190 and MB-39294) was below the method control limits. The recovery of the surrogate Octacosane in Samples -34, -35 and -36, the Matrix Spike and Matrix Spike Duplicate (1001149-36 MS/MSD)was above the method control limits. The remaining surrogate in each was within control limits. These are flagged accordingly in the Analytical Data Report and the QC Summary Report. No further corrective action was taken.

Additionally, the recoveries of TPH-DRO C10-28 in the Matrix Spike and Matrix Spike Duplicate (1001149-36 MS/MSD) were above the method control limits. These are flagged accordingly in the QC Summary Report. No further corrective action was taken.

For TPH analysis, hydrocarbons were detected past the C28 range for Samples -14, -34, -35 and -36. Total TPH may be biased low for these samples. No further corrective actions were taken.

GRO ANALYSIS

For GRO Analysis on Batch 39265, an MS/MSD was not performed on Trip Blanks and Equipment Blanks. An LCS/LCSD was analyzed instead.

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

CASE NARRATIVE

TRACE METALS ANALYSIS

For Metals analysis, the response for Internal Standard Germanium for the Serial Dilution (1001149-41 SD) was above the method control limits. The recoveries of the affected analytes, Arsenic and Selenium were within the method control limits. The RPD of Selenium in the Serial Dilution (Batch 39273) was above the method control limits. This is flagged in the QC Summary Report. No further corrective action was taken.

For Metals analysis, the response for Internal Standard Scandium for the Post Digestion Spike, Matrix Spike and Matrix Spike Duplicate (1001149-41 PDS/MS/MSD) was above the method control limits. The recovery of the affected analyte, Chromium, is within control limits for each of these QC Samples. No further corrective actions were taken.

For Trace Metals Analysis, for Batch 39210, the recovery of Barium in the Matrix Spike and Matrix Spike Duplicate (1001149-30 MS/MSD) was slightly below the method control limits. Additionally for this batch, the RPD of Lead and Selenium in the Serial Dilution (1001149-30 SD) was above the method control limit. These are flagged accordingly in the QC Summary Report. The associated Post Digestion Spike was within method control limits for these analytes. No Further corrective action was taken.

For Trace Metals analysis, for Batch 39207, the RPD of Chromium in the Serial Dilution (1001149-14 SD) was slightly above the method control limits. This is flagged accordingly in the QC Summary Report. The associated PDS and MS/MSD was within control limits for this element. No further corrective action was taken.

For Trace Metals Analysis, the recovery of Selenium in the Continuing Calibration Blank (CCB6-100201) was slightly above the Method Detection Limit. In associated samples Selenium was detected above the Reporting Limit. No further corrective actions were taken.

For Metals analysis a deviation from the SOP resulted in performing a one-point curve for analysis, on instrument ICPMS-3, which was verified by a second source and Low Level Initial Calibration Verification. This follows the method specifications.

MERCURY ANALYSIS

For Mercury Analysis on Batch 39187, an MS/MSD was not performed on Trip Blanks and Equipment Blanks. An LCS/LCSD was analyzed instead.

SEMIVOLATILES BY GC/MS

For Semivolatiles analysis, the recovery of surrogate 2-Fluorophenol in the Method Blank (MB-39319), Matrix Spike and Matrix Spike Duplicate (1001149-46C) was slightly below the method control limits. The remaining surrogates were within control limits for these samples. Additionally, the recovery of Dimethylphenethylaminine in the Laboratory Control Spike (LCS-39319) was below the method control limits. This compound was within control limits in the associated ICV (ICV-100202). These are flagged in the QC Summary Report. No further corrective action was taken.

For Semivolatiles analysis, the recoveries of several compounds in the Matrix Spike and Matrix Spike

Duplicate (1001149-46C MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. The associated ICV (ICV-100202) was within control limits for these compounds. No further corrective action was taken.

For Semivolatiles analysis, some samples/standards were manually integrated. Please refer to the table on pages 14-18 of this report for the full list of samples, standards, and the compounds that were manually integrated.

VOLATILES BY GC/MS

For Volatiles analysis, the recovery of Acetone for the Initial Calibration Verifications (ICV-100126 and ICV-100125) was slightly above the method control limits.

For Volatiles analysis, for Batch-39179) the recoveries of several compounds in the Matrix Spike and Matrix Spike Duplicate (1001149-14 MS/MSD) were outside the method control limits. The RPD of a few of these compounds are above the method control limits in the Matrix Spike Duplicate. These are flagged in the QC Summary Report. The associated LCS (LCS-39179) was within control limits for these compounds. No further corrective action was taken.

For Volatiles analysis, Batch-39254, the recovery of the surrogate 1,2-Dichloroethane-d4 in the Matrix Spike (1001182-01 MS) was marginally above the method control limits. The remaining surrogates are within the method control limits. Additionally, in this batch, the recovery of 2-Chloroethylvinylether in the Matrix Spike and Matrix Spike Duplicate (1001182-01 MS/MSD) was below the method detection limit due to reaction with the acid used for sample preservation in the VOA vial. No further corrective actions were taken.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.
Brad Davis of ZIA Requested a bottle kit from Jennifer Barker of DHL: via email on 01/13/2010.
Kit sent on 1/13/2010 via Lonestar Overnight, arrive on 01/15/2010.
This sample delivery group arrives at DHL Analytical 1/20/2010. Sample summary sent via email from Log-in to client on 1/27/2010.

DHL Project Manager/QA staff discussed with client the following issues:
RFQ questions answered vial email on 1/4/2010.
On 1/25/2010 DHL informed client that a sample was missing from the cooler.
DHL Insurance Certification sent 1/26/2010.

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1001149-01	STRC-0162-BG-001-(0.5-1.0)		01/20/10 08:32 AM	01/22/10
1001149-02	STRC-0162-BG-001-(4.0-5.0)		01/20/10 08:16 AM	01/22/10
1001149-03	STRC-0162-BG-001-(14.0-15.0)		01/20/10 08:38 AM	01/22/10
1001149-04	STRC-0162-BG-001-(9.0-10.0)		01/20/10 08:30 AM	01/22/10
1001149-05	STRC-0162-BG-002-(14.0-15.0)		01/20/10 09:31 AM	01/22/10
1001149-06	STRC-0162-BG-002-(4.0-5.0)		01/20/10 09:14 AM	01/22/10
1001149-07	STRC-0162-BG-002-(0.5-1.0)		01/20/10 09:00 AM	01/22/10
1001149-08	STRC-0162-BG-103-(14.0-15.0)		01/20/10 10:20 AM	01/22/10
1001149-09	STRC-0162-BG-003-(14.0-15.0)		01/20/10 10:20 AM	01/22/10
1001149-10	STRC-0162-BG-003-(9.0-10.0)		01/20/10 10:17 AM	01/22/10
1001149-11	STRC-0162-BG-003-(0.5-1.0)		01/20/10 09:45 AM	01/22/10
1001149-12	STRC-0162-BG-003-(4.0-5.0)		01/20/10 10:04 AM	01/22/10
1001149-13	STRC-0162-BG-002-(9.0-10.0)		01/20/10 09:24 AM	01/22/10
1001149-14	STRC-0162-SB-008-(0.5-1.0)		01/20/10 04:34 PM	01/22/10
1001149-15	STRC-0162-SB-008-(4.0-5.0)		01/20/10 04:45 PM	01/22/10
1001149-16	STRC-0162-SB-008-(9.0-10.0)		01/20/10 04:57 PM	01/22/10
1001149-17	STRC-0162-SB-008-(14.0-15.0)		01/20/10 05:08 PM	01/22/10
1001149-18	STRC-0162-SB-108-(14.0-15.0)		01/20/10 05:08 PM	01/22/10
1001149-19	STRC-0162-TB-005-0110		01/20/10 05:08 PM	01/22/10
1001149-20	STRC-0162-SB-003-(0.5-1.0)		01/20/10 12:40 PM	01/22/10
1001149-21	STRC-0162-SB-003-(4.0-5.0)		01/20/10 12:50 PM	01/22/10
1001149-22	STRC-0162-SB-003-(14.0-15.0)		01/20/10 01:07 PM	01/22/10
1001149-23	STRC-0162-SB-003-(9.0-10.0)		01/20/10 12:56 PM	01/22/10
1001149-24	STRC-0162-SB-104-(0.5-1.0)		01/20/10 01:22 PM	01/22/10
1001149-25	STRC-0162-SB-004-(0.5-1.0)		01/20/10 01:12 PM	01/22/10
1001149-26	STRC-0162-SB-004-(4.0-5.0)		01/20/10 01:32 PM	01/22/10
1001149-27	STRC-0162-SB-004-(9.0-10.0)		01/20/10 01:39 PM	01/22/10
1001149-28	STRC-0162-SB-004-(14.0-15.0)		01/20/10 01:45 PM	01/22/10
1001149-29	STRC-0162-SB-005-(0.5-1.0)		01/20/10 02:10 PM	01/22/10
1001149-30	STRC-0162-SB-005-(4.0-5.0)		01/20/10 02:20 PM	01/22/10
1001149-31	STRC-0162-TB-002-0110		01/20/10 02:20 PM	01/22/10
1001149-32	STRC-0162-SB-005-(14.0-15.0)		01/20/10 02:39 PM	01/22/10
1001149-33	STRC-0162-SB-005-(9.0-10.0)		01/20/10 02:30 PM	01/22/10
1001149-34	STRC-0162-SB-006-(0.5-1.0)		01/20/10 02:56 PM	01/22/10
1001149-35	STRC-0162-SB-006-(4.0-5.0)		01/20/10 03:10 PM	01/22/10
1001149-36	STRC-0162-SB-006-(8.0-9.0)		01/20/10 03:14 PM	01/22/10
1001149-37	STRC-0162-SB-106-(14.0-15.0)		01/20/10 03:23 PM	01/22/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1001149-38	STRC-0162-SB-006-(14.0-15.0)		01/20/10 03:23 PM	01/22/10
1001149-39	STRC-0162-SB-007-(0.5-1.0)		01/20/10 03:46 PM	01/22/10
1001149-40	STRC-0162-SB-007-(14.0-15.0)		01/20/10 04:09 PM	01/22/10
1001149-41	STRC-0162-SB-007-(4.0-5.0)		01/20/10 03:58 PM	01/22/10
1001149-42	STRC-0162-SB-007-(9.0-10.0)		01/20/10 04:03 PM	01/22/10
1001149-43	STRC-0162-TB-003-0110		01/21/10 04:03 PM	01/22/10
1001149-44	STRC-0162-SB-001-(0.5-1.0)		01/20/10 10:45 AM	01/22/10
1001149-45	STRC-0162-SB-001-(4.0-5.0)		01/20/10 10:58 AM	01/22/10
1001149-46	STRC-0162-SB-001-(9.0-10.0)		01/20/10 11:03 AM	01/22/10
1001149-47	STRC-0162-SB-001-(14.0-15.0)		01/20/10 11:15 AM	01/22/10
1001149-48	STRC-0162-SB-002-(0.5-1.0)		01/20/10 11:31 AM	01/22/10
1001149-49	STRC-0162-SB-002-(4.0-5.0)		01/20/10 11:42 AM	01/22/10
1001149-50	STRC-0162-SB-002-(9.0-10.0)		01/20/10 11:46 AM	01/22/10
1001149-51	STRC-0162-SB-002-(14.0-15.0)		01/20/10 11:54 AM	01/22/10
1001149-52	STRC-0162-TB-001-0110		01/20/10 11:54 AM	01/22/10
1001149-53	STRC-0162-RB-001-0110		01/20/10 12:20 PM	01/22/10
1001149-54	STRC-0162-FB-001-0110		01/20/10 01:50 PM	01/22/10
1001149-55	STRC-0162-TB-004-0110		01/20/10 01:50 PM	01/22/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-01A	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(0.5-1.0)	01/20/10 08:32 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-02A	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(4.0-5.0)	01/20/10 08:16 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-03A	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(14.0-15.0)	01/20/10 08:38 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-04A	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-001-(9.0-10.0)	01/20/10 08:30 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-05A	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(14.0-15.0)	01/20/10 09:31 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-06A	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(4.0-5.0)	01/20/10 09:14 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-07A	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(0.5-1.0)	01/20/10 09:00 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-08A	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-103-(14.0-15.0)	01/20/10 10:20 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-09A	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(14.0-15.0)	01/20/10 10:20 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-10A	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(9.0-10.0)	01/20/10 10:17 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-11A	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(0.5-1.0)	01/20/10 09:45 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-12A	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-003-(4.0-5.0)	01/20/10 10:04 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-13A	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-BG-002-(9.0-10.0)	01/20/10 09:24 AM	Soil	D2216	Moisture Preparation	01/25/10 09:30 AM	39171
1001149-14A	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-14B	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-14C	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(0.5-1.0)	01/20/10 04:34 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-15A	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-15B	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-15C	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(4.0-5.0)	01/20/10 04:45 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-16A	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-16B	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-16C	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-008-(9.0-10.0)	01/20/10 04:57 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-17A	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-17B	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-17C	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 11:35 AM	39209
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39207
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-008-(14.0-15.0)	01/20/10 05:08 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-18A	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-18B	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-18C	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-108-(14.0-15.0)	01/20/10 05:08 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-20A	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-20B	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-20C	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(0.5-1.0)	01/20/10 12:40 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-21A	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-21B	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-21C	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(4.0-5.0)	01/20/10 12:50 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-22A	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-22B	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-22C	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(14.0-15.0)	01/20/10 01:07 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-23A	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-23B	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-23C	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-003-(9.0-10.0)	01/20/10 12:56 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-24A	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-24B	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-24C	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-104-(0.5-1.0)	01/20/10 01:22 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-25A	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-25B	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-25C	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(0.5-1.0)	01/20/10 01:12 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-26A	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-26B	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-26C	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(4.0-5.0)	01/20/10 01:32 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-27A	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-27B	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-27C	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(9.0-10.0)	01/20/10 01:39 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-28A	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-28B	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1001149-28C	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-004-(14.0-15.0)	01/20/10 01:45 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-29A	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-29B	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-29C	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(0.5-1.0)	01/20/10 02:10 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-30A	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-30B	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-30C	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(4.0-5.0)	01/20/10 02:20 PM	Soil	D2216	Moisture Preparation	01/25/10 11:10 AM	39183
1001149-31A	STRC-0162-TB-002-0110	01/20/10 02:20 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-32A	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:36 AM	39179
1001149-32B	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-32C	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-005-(14.0-15.0)	01/20/10 02:39 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-33A	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-33B	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-33C	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-005-(9.0-10.0)	01/20/10 02:30 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-34A	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-34B	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-34C	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(0.5-1.0)	01/20/10 02:56 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-35A	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-35B	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 03:18 PM	39240
1001149-35C	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/29/10 01:11 PM	39294
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/28/10 08:41 AM	39244
	STRC-0162-SB-006-(4.0-5.0)	01/20/10 03:10 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-36A	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-36B	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-36C	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(8.0-9.0)	01/20/10 03:14 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-37A	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-37B	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-37C	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/27/10 09:00 AM	39211
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	01/27/10 09:00 AM	39210
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-106-(14.0-15.0)	01/20/10 03:23 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-38A	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-38B	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-38C	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-006-(14.0-15.0)	01/20/10 03:23 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-39A	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-39B	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-39C	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(0.5-1.0)	01/20/10 03:46 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-40A	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-40B	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-40C	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(14.0-15.0)	01/20/10 04:09 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-41A	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-41B	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-41C	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(4.0-5.0)	01/20/10 03:58 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-42A	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-42B	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-42C	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW7471A	Mercury Soil Prep. Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-007-(9.0-10.0)	01/20/10 04:03 PM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-43A	STRC-0162-TB-003-0110	01/21/10 04:03 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-44A	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-44B	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-44C	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: BNA	02/01/10 02:42 PM	39319
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW7471A	Mercury Soil Prep. Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW1010	Ignitibility Preparation	01/28/10 12:47 PM	39261
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(0.5-1.0)	01/20/10 10:45 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-45A	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-45B	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-45C	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW7471A	Mercury Soil Prep. Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(4.0-5.0)	01/20/10 10:58 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-46A	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-46B	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-46C	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: BNA	02/01/10 02:42 PM	39319
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW1010	Ignitibility Preparation	01/28/10 12:47 PM	39261
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(9.0-10.0)	01/20/10 11:03 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-47A	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-47B	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-47C	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-001-(14.0-15.0)	01/20/10 11:15 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-48A	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-48B	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-48C	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(0.5-1.0)	01/20/10 11:31 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-49A	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-49B	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-49C	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(4.0-5.0)	01/20/10 11:42 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-50A	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-50B	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-50C	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(9.0-10.0)	01/20/10 11:46 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-51A	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW5030B	Purge and Trap Soils GC/MS	01/25/10 09:38 AM	39180
1001149-51B	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	01/27/10 04:39 PM	39242
1001149-51C	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3550B	Soil Prep Sonication: DRO	01/25/10 08:58 AM	39175
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW7471A	Mercury Soil Prep, Total	01/29/10 09:00 AM	39271
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	02/01/10 09:00 AM	39273
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	SW3550B	Soil Prep Sonication: PAH	01/29/10 08:48 AM	39282
	STRC-0162-SB-002-(14.0-15.0)	01/20/10 11:54 AM	Soil	D2216	Moisture Preparation	01/25/10 12:25 PM	39186
1001149-52A	STRC-0162-TB-001-0110	01/20/10 11:54 AM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-53A	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-53B	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW5030B	Purge and Trap Water GC-Gas	01/28/10 01:58 PM	39265
1001149-53C	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW7470A	Mercury Aq Prep, Total	01/25/10 11:58 AM	39187
	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	01/25/10 08:41 AM	39165
1001149-53D	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: DRO	01/25/10 02:00 PM	39190
1001149-53E	STRC-0162-RB-001-0110	01/20/10 12:20 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: PAH	01/26/10 10:26 AM	39208
1001149-54A	STRC-0162-FB-001-0110	01/20/10 01:50 PM	Field Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254
1001149-55A	STRC-0162-TB-004-0110	01/20/10 01:50 PM	Trip Blank	SW5030B	Purge and Trap Water GC/MS	01/28/10 10:53 AM	39254

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-01A	STRC-0162-BG-001-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:28 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:00 PM	ICP-MS2_100201B
1001149-02A	STRC-0162-BG-001-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:30 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:06 PM	ICP-MS2_100201B
1001149-03A	STRC-0162-BG-001-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:32 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:11 PM	ICP-MS2_100201B
1001149-04A	STRC-0162-BG-001-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-001-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:34 AM	CETAC_HG_100201A
	STRC-0162-BG-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:17 PM	ICP-MS2_100201B
1001149-05A	STRC-0162-BG-002-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:36 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:23 PM	ICP-MS2_100201B
1001149-06A	STRC-0162-BG-002-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:38 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:29 PM	ICP-MS2_100201B
1001149-07A	STRC-0162-BG-002-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:40 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:35 PM	ICP-MS2_100201B
1001149-08A	STRC-0162-BG-103-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-103-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:42 AM	CETAC_HG_100201A
	STRC-0162-BG-103-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:41 PM	ICP-MS2_100201B
1001149-09A	STRC-0162-BG-003-(14.0-15.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:44 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:46 PM	ICP-MS2_100201B
1001149-10A	STRC-0162-BG-003-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:50 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:52 PM	ICP-MS2_100201B
1001149-11A	STRC-0162-BG-003-(0.5-1.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:52 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 06:57 PM	ICP-MS2_100201B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-12A	STRC-0162-BG-003-(4.0-5.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-003-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:54 AM	CETAC_HG_100201A
	STRC-0162-BG-003-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:03 PM	ICP-MS2_100201B
1001149-13A	STRC-0162-BG-002-(9.0-10.0)	Soil	D2216	Percent Moisture	39171	1	01/25/10 01:30 PM	PMOIST_100125A
	STRC-0162-BG-002-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:57 AM	CETAC_HG_100201A
	STRC-0162-BG-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:09 PM	ICP-MS2_100201B
1001149-14A	STRC-0162-SB-008-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 04:22 PM	GCMS2_100125A
1001149-14B	STRC-0162-SB-008-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:00 PM	GC4_100127B
1001149-14C	STRC-0162-SB-008-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 07:52 PM	GCMS8_100128A
	STRC-0162-SB-008-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 10:50 AM	CETAC_HG_100201A
	STRC-0162-SB-008-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:57 AM	GC15_100201A
	STRC-0162-SB-008-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 05:47 PM	ICP-MS2_100201B
1001149-15A	STRC-0162-SB-008-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 04:54 PM	GCMS2_100125A
1001149-15B	STRC-0162-SB-008-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:23 PM	GC4_100127B
1001149-15C	STRC-0162-SB-008-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 08:24 PM	GCMS8_100128A
	STRC-0162-SB-008-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 11:59 AM	CETAC_HG_100201A
	STRC-0162-SB-008-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:14 AM	GC15_100201A
	STRC-0162-SB-008-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:15 PM	ICP-MS2_100201B
1001149-16A	STRC-0162-SB-008-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 05:25 PM	GCMS2_100125A
1001149-16B	STRC-0162-SB-008-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 06:47 PM	GC4_100127B
1001149-16C	STRC-0162-SB-008-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 08:56 PM	GCMS8_100128A
	STRC-0162-SB-008-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 12:01 PM	CETAC_HG_100201A
	STRC-0162-SB-008-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:23 AM	GC15_100201A
	STRC-0162-SB-008-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:21 PM	ICP-MS2_100201B
1001149-17A	STRC-0162-SB-008-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 05:56 PM	GCMS2_100125A
1001149-17B	STRC-0162-SB-008-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:10 PM	GC4_100127B
1001149-17C	STRC-0162-SB-008-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 09:28 PM	GCMS8_100128A
	STRC-0162-SB-008-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-008-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39209	1	02/01/10 12:03 PM	CETAC_HG_100201A
	STRC-0162-SB-008-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:31 AM	GC15_100201A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-008-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39207	5	02/01/10 07:27 PM	ICP-MS2_100201B
1001149-18A	STRC-0162-SB-108-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 06:28 PM	GCMS2_100125A
1001149-18B	STRC-0162-SB-108-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:33 PM	GC4_100127B
1001149-18C	STRC-0162-SB-108-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 10:00 PM	GCMS8_100128A
	STRC-0162-SB-108-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-108-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:24 PM	CETAC_HG_100201A
	STRC-0162-SB-108-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:40 AM	GC15_100201A
	STRC-0162-SB-108-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:26 PM	ICP-MS2_100201B
1001149-20A	STRC-0162-SB-003-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 06:59 PM	GCMS2_100125A
1001149-20B	STRC-0162-SB-003-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 07:57 PM	GC4_100127B
1001149-20C	STRC-0162-SB-003-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 10:32 PM	GCMS8_100128A
	STRC-0162-SB-003-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:26 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 10:48 AM	GC15_100201A
	STRC-0162-SB-003-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:32 PM	ICP-MS2_100201B
1001149-21A	STRC-0162-SB-003-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 07:31 PM	GCMS2_100125A
1001149-21B	STRC-0162-SB-003-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 08:20 PM	GC4_100127B
1001149-21C	STRC-0162-SB-003-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 11:03 PM	GCMS8_100128A
	STRC-0162-SB-003-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:28 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 11:57 AM	GC15_100201A
	STRC-0162-SB-003-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:38 PM	ICP-MS2_100201B
1001149-22A	STRC-0162-SB-003-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 08:02 PM	GCMS2_100125A
1001149-22B	STRC-0162-SB-003-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 08:43 PM	GC4_100127B
1001149-22C	STRC-0162-SB-003-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/28/10 11:36 PM	GCMS8_100128A
	STRC-0162-SB-003-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-003-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:30 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:05 PM	GC15_100201A
	STRC-0162-SB-003-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:44 PM	ICP-MS2_100201B
1001149-23A	STRC-0162-SB-003-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 08:34 PM	GCMS2_100125A
1001149-23B	STRC-0162-SB-003-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 09:06 PM	GC4_100127B
1001149-23C	STRC-0162-SB-003-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 12:08 AM	GCMS8_100128A
	STRC-0162-SB-003-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-003-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:32 PM	CETAC_HG_100201A
	STRC-0162-SB-003-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:14 PM	GC15_100201A
	STRC-0162-SB-003-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:50 PM	ICP-MS2_100201B
1001149-24A	STRC-0162-SB-104-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 09:05 PM	GCMS2_100125A
1001149-24B	STRC-0162-SB-104-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 09:29 PM	GC4_100127B
1001149-24C	STRC-0162-SB-104-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 12:39 AM	GCMS8_100128A
	STRC-0162-SB-104-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-104-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:34 PM	CETAC_HG_100201A
	STRC-0162-SB-104-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:22 PM	GC15_100201A
	STRC-0162-SB-104-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 08:55 PM	ICP-MS2_100201B
1001149-25A	STRC-0162-SB-004-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 09:37 PM	GCMS2_100125A
1001149-25B	STRC-0162-SB-004-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 10:39 PM	GC4_100127B
1001149-25C	STRC-0162-SB-004-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 01:11 AM	GCMS8_100128A
	STRC-0162-SB-004-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:37 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:31 PM	GC15_100201A
	STRC-0162-SB-004-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:01 PM	ICP-MS2_100201B
1001149-26A	STRC-0162-SB-004-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 10:08 PM	GCMS2_100125A
1001149-26B	STRC-0162-SB-004-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:02 PM	GC4_100127B
1001149-26C	STRC-0162-SB-004-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 01:43 AM	GCMS8_100128A
	STRC-0162-SB-004-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:39 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:39 PM	GC15_100201A
	STRC-0162-SB-004-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:07 PM	ICP-MS2_100201B
1001149-27A	STRC-0162-SB-004-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 10:40 PM	GCMS2_100125A
1001149-27B	STRC-0162-SB-004-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:25 PM	GC4_100127B
1001149-27C	STRC-0162-SB-004-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:15 AM	GCMS8_100128A
	STRC-0162-SB-004-(9.0-10.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:45 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:48 PM	GC15_100201A
	STRC-0162-SB-004-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:13 PM	ICP-MS2_100201B
1001149-28A	STRC-0162-SB-004-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/25/10 11:13 PM	GCMS2_100125A
1001149-28B	STRC-0162-SB-004-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/27/10 11:48 PM	GC4_100127B

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1001149-28C	STRC-0162-SB-004-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:47 AM	GCMS8_100128A
	STRC-0162-SB-004-(14.0-15.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-004-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:47 PM	CETAC_HG_100201A
	STRC-0162-SB-004-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 12:56 PM	GC15_100201A
	STRC-0162-SB-004-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:18 PM	ICP-MS2_100201B
1001149-29A	STRC-0162-SB-005-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 02:37 PM	GCMS2_100125A
1001149-29B	STRC-0162-SB-005-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:11 AM	GC4_100127B
1001149-29C	STRC-0162-SB-005-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:19 AM	GCMS8_100128A
	STRC-0162-SB-005-(0.5-1.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-005-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:49 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 01:05 PM	GC15_100201A
	STRC-0162-SB-005-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:24 PM	ICP-MS2_100201B
1001149-30A	STRC-0162-SB-005-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 03:11 PM	GCMS2_100125A
1001149-30B	STRC-0162-SB-005-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:34 AM	GC4_100127B
1001149-30C	STRC-0162-SB-005-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:51 AM	GCMS8_100128A
	STRC-0162-SB-005-(4.0-5.0)	Soil	D2216	Percent Moisture	39183	1	01/25/10 03:15 PM	PMOIST_100125B
	STRC-0162-SB-005-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:05 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 01:13 PM	GC15_100201A
	STRC-0162-SB-005-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 09:19 PM	ICP-MS2_100201B
1001149-31A	STRC-0162-TB-002-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:56 PM	GCMS5_100128A
1001149-32A	STRC-0162-SB-005-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39179	1	01/26/10 03:45 PM	GCMS2_100125A
1001149-32B	STRC-0162-SB-005-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 12:57 AM	GC4_100127B
1001149-32C	STRC-0162-SB-005-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 02:29 PM	GCMS8_100129A
	STRC-0162-SB-005-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-005-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:51 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:38 PM	GC15_100201A
	STRC-0162-SB-005-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:30 PM	ICP-MS2_100201B
1001149-33A	STRC-0162-SB-005-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 10:29 PM	GCMS1_100125A
1001149-33B	STRC-0162-SB-005-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 01:20 AM	GC4_100127B
1001149-33C	STRC-0162-SB-005-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/29/10 03:01 PM	GCMS8_100129A
	STRC-0162-SB-005-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-005-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:53 PM	CETAC_HG_100201A
	STRC-0162-SB-005-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:46 PM	GC15_100201A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-005-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:36 PM	ICP-MS2_100201B
1001149-34A	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 11:01 PM	GCMS1_100125A
1001149-34B	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 01:43 AM	GC4_100127B
1001149-34C	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/30/10 01:47 AM	GCMS8_100129A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	01/30/10 03:22 AM	GCMS8_100129A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	02/03/10 05:43 PM	GCMS8_100203A
	STRC-0162-SB-006-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:55 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 02:55 PM	GC15_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	2	02/01/10 04:07 PM	GC15_100201A
	STRC-0162-SB-006-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:42 PM	ICP-MS2_100201B
1001149-35A	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 01:53 PM	GCMS1_100125A
1001149-35B	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39240	1	01/28/10 02:06 AM	GC4_100127B
1001149-35C	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	1	01/30/10 02:19 AM	GCMS8_100129A
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39244	10	01/30/10 03:54 AM	GCMS8_100129A
	STRC-0162-SB-006-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:57 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	10	02/01/10 03:03 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	1	02/01/10 03:12 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39294	20	02/01/10 04:16 PM	GC15_100201A
	STRC-0162-SB-006-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:48 PM	ICP-MS2_100201B
1001149-36A	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 02:26 PM	GCMS1_100125A
1001149-36B	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:10 AM	GC4_100127C
1001149-36C	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 02:51 AM	GCMS8_100129A
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW8270C	PAHs: GC/MS	39282	10	01/30/10 04:26 AM	GCMS8_100129A
	STRC-0162-SB-006-(8.0-9.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 12:59 PM	CETAC_HG_100201A
	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:41 PM	GC15_100125A
	STRC-0162-SB-006-(8.0-9.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	10	01/25/10 04:46 PM	GC15_100125A
	STRC-0162-SB-006-(8.0-9.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:53 PM	ICP-MS2_100201B
1001149-37A	STRC-0162-SB-106-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 02:58 PM	GCMS1_100125A
1001149-37B	STRC-0162-SB-106-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:33 AM	GC4_100127C
1001149-37C	STRC-0162-SB-106-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 03:32 PM	GCMS8_100129A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-106-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-106-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39211	1	02/01/10 01:02 PM	CETAC_HG_100201A
	STRC-0162-SB-106-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 12:50 PM	GC15_100125A
	STRC-0162-SB-106-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39210	5	02/01/10 10:59 PM	ICP-MS2_100201B
1001149-38A	STRC-0162-SB-006-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 03:29 PM	GCMS1_100125A
1001149-38B	STRC-0162-SB-006-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 05:56 AM	GC4_100127C
1001149-38C	STRC-0162-SB-006-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 04:05 PM	GCMS8_100129A
	STRC-0162-SB-006-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-006-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:37 PM	CETAC_HG_100201B
	STRC-0162-SB-006-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 12:58 PM	GC15_100125A
	STRC-0162-SB-006-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:33 PM	ICP-MS2_100202A
1001149-39A	STRC-0162-SB-007-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 04:01 PM	GCMS1_100125A
1001149-39B	STRC-0162-SB-007-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 06:19 AM	GC4_100127C
1001149-39C	STRC-0162-SB-007-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 04:36 PM	GCMS8_100129A
	STRC-0162-SB-007-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:39 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:07 PM	GC15_100125A
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:38 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 11:44 AM	ICP-MS3_100203A
1001149-40A	STRC-0162-SB-007-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 04:35 PM	GCMS1_100125A
1001149-40B	STRC-0162-SB-007-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 06:42 AM	GC4_100127C
1001149-40C	STRC-0162-SB-007-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 07:57 PM	GCMS8_100129A
	STRC-0162-SB-007-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:41 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:15 PM	GC15_100125A
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:44 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 07:28 PM	ICP-MS2_100202A
1001149-41A	STRC-0162-SB-007-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 05:08 PM	GCMS1_100125A
1001149-41B	STRC-0162-SB-007-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 07:06 AM	GC4_100127C
1001149-41C	STRC-0162-SB-007-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 08:29 PM	GCMS8_100129A
	STRC-0162-SB-007-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:43 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:24 PM	GC15_100125A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:42 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 08:15 PM	ICP-MS2_100202A
1001149-42A	STRC-0162-SB-007-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 05:40 PM	GCMS1_100125A
1001149-42B	STRC-0162-SB-007-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 07:29 AM	GC4_100127C
1001149-42C	STRC-0162-SB-007-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 09:00 PM	GCMS8_100129A
	STRC-0162-SB-007-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:45 PM	CETAC_HG_100201B
	STRC-0162-SB-007-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:32 PM	GC15_100125A
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:50 PM	ICP-MS2_100202A
	STRC-0162-SB-007-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 11:49 AM	ICP-MS3_100203A
1001149-43A	STRC-0162-TB-003-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 06:21 PM	GCMS5_100128A
1001149-44A	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 06:12 PM	GCMS1_100125A
1001149-44B	STRC-0162-SB-001-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 08:43 AM	GC4_100127C
1001149-44C	STRC-0162-SB-001-(0.5-1.0)	Soil	SW1010	Ignitability	39261	1	01/28/10 01:00 PM	WC_100128D
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 09:32 PM	GCMS8_100129A
	STRC-0162-SB-001-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW8270C	Semivolatiles by GC/MS - Soil	39319	1	02/03/10 03:52 AM	GCMS4_100202A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:21 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:41 PM	GC15_100125A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 12:56 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	50	02/03/10 12:28 PM	ICP-MS3_100203A
1001149-45A	STRC-0162-SB-001-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 06:44 PM	GCMS1_100125A
1001149-45B	STRC-0162-SB-001-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 09:07 AM	GC4_100127C
1001149-45C	STRC-0162-SB-001-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 10:04 PM	GCMS8_100129A
	STRC-0162-SB-001-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:48 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 01:49 PM	GC15_100125A
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:19 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	50	02/03/10 12:33 PM	ICP-MS3_100203A
1001149-46A	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 07:16 PM	GCMS1_100125A
1001149-46B	STRC-0162-SB-001-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 09:31 AM	GC4_100127C
1001149-46C	STRC-0162-SB-001-(9.0-10.0)	Soil	SW1010	Ignitability	39261	1	01/28/10 01:00 PM	WC_100128D
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 10:36 PM	GCMS8_100129A

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-001-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW8270C	Semivolatiles by GC/MS - Soil	39319	1	02/03/10 04:18 AM	GCMS4_100202A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:50 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 02:51 PM	GC15_100125A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:25 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:06 PM	ICP-MS3_100203A
1001149-47A	STRC-0162-SB-001-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 07:48 PM	GCMS1_100125A
1001149-47B	STRC-0162-SB-001-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 10:41 AM	GC4_100127C
1001149-47C	STRC-0162-SB-001-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 11:08 PM	GCMS8_100129A
	STRC-0162-SB-001-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:56 PM	CETAC_HG_100201B
	STRC-0162-SB-001-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 02:59 PM	GC15_100125A
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:31 PM	ICP-MS2_100202A
	STRC-0162-SB-001-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:11 PM	ICP-MS3_100203A
1001149-48A	STRC-0162-SB-002-(0.5-1.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 08:20 PM	GCMS1_100125A
1001149-48B	STRC-0162-SB-002-(0.5-1.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:04 AM	GC4_100127C
1001149-48C	STRC-0162-SB-002-(0.5-1.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/29/10 11:39 PM	GCMS8_100129A
	STRC-0162-SB-002-(0.5-1.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 03:58 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(0.5-1.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:08 PM	GC15_100125A
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 01:37 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(0.5-1.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:17 PM	ICP-MS3_100203A
1001149-49A	STRC-0162-SB-002-(4.0-5.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 08:52 PM	GCMS1_100125A
1001149-49B	STRC-0162-SB-002-(4.0-5.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:26 AM	GC4_100127C
1001149-49C	STRC-0162-SB-002-(4.0-5.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 12:11 AM	GCMS8_100129A
	STRC-0162-SB-002-(4.0-5.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(4.0-5.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:00 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(4.0-5.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:16 PM	GC15_100125A
	STRC-0162-SB-002-(4.0-5.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:41 PM	ICP-MS2_100202A
1001149-50A	STRC-0162-SB-002-(9.0-10.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 09:24 PM	GCMS1_100125A
1001149-50B	STRC-0162-SB-002-(9.0-10.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 11:49 AM	GC4_100127C
1001149-50C	STRC-0162-SB-002-(9.0-10.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 12:43 AM	GCMS8_100129A
	STRC-0162-SB-002-(9.0-10.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Lab Order: 1001149

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:02 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(9.0-10.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:25 PM	GC15_100125A
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:46 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(9.0-10.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	25	02/03/10 12:22 PM	ICP-MS3_100203A
1001149-51A	STRC-0162-SB-002-(14.0-15.0)	Soil	SW8260B	8260 Soil Volatiles by GC/MS	39180	1	01/25/10 09:57 PM	GCMS1_100125A
1001149-51B	STRC-0162-SB-002-(14.0-15.0)	Soil	M8015V	Method 8015 Gasoline (GRO)	39242	1	01/28/10 12:12 PM	GC4_100127C
1001149-51C	STRC-0162-SB-002-(14.0-15.0)	Soil	SW8270C	PAHs: GC/MS	39282	1	01/30/10 01:15 AM	GCMS8_100129A
	STRC-0162-SB-002-(14.0-15.0)	Soil	D2216	Percent Moisture	39186	1	01/25/10 04:30 PM	PMOIST_100125C
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW7471A	Total Mercury: Soil/Solid	39271	1	02/01/10 04:04 PM	CETAC_HG_100201B
	STRC-0162-SB-002-(14.0-15.0)	Soil	M8015D	TPH Extractable by GC - Soil	39175	1	01/25/10 03:33 PM	GC15_100125A
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 02:52 PM	ICP-MS2_100202A
	STRC-0162-SB-002-(14.0-15.0)	Soil	SW6020	Trace Metals: ICP-MS - Solid	39273	5	02/02/10 09:13 PM	ICP-MS2_100202A
1001149-52A	STRC-0162-TB-001-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 06:47 PM	GCMS5_100128A
1001149-53A	STRC-0162-RB-001-0110	Equip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 04:41 PM	GCMS5_100128A
1001149-53B	STRC-0162-RB-001-0110	Equip Blank	M8015V	Method 8015 Gasoline (GRO)	39265	1	01/28/10 05:53 PM	GC4_100128A
1001149-53C	STRC-0162-RB-001-0110	Equip Blank	SW7470A	Total Mercury: Aqueous	39187	1	01/26/10 11:07 AM	CETAC_HG_100126C
	STRC-0162-RB-001-0110	Equip Blank	SW6020	Trace Metals: ICP-MS - Water	39165	1	01/26/10 11:38 AM	ICP-MS3_100126A
1001149-53D	STRC-0162-RB-001-0110	Equip Blank	M8015D	TPH Extractable by GC - Water	39190	1	01/26/10 11:41 AM	GC15_100126A
1001149-53E	STRC-0162-RB-001-0110	Equip Blank	SW8270C	PAHs: GC/MS	39208	1	01/26/10 08:39 PM	GCMS8_100126A
1001149-54A	STRC-0162-FB-001-0110	Field Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:05 PM	GCMS5_100128A
1001149-55A	STRC-0162-TB-004-0110	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	39254	1	01/28/10 05:31 PM	GCMS5_100128A

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CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(0.5-1.0)
Lab ID: 1001149-01
Collection Date: 01/20/10 08:32 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0150	0.0470		mg/Kg-dry	1	02/01/10 11:28 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.48	0.477	0.954		mg/Kg-dry	5	02/01/10 05:00 PM
Barium	71.0	0.477	1.91		mg/Kg-dry	5	02/01/10 05:00 PM
Cadmium	ND	0.0954	0.286		mg/Kg-dry	5	02/01/10 05:00 PM
Chromium	6.66	0.477	1.91		mg/Kg-dry	5	02/01/10 05:00 PM
Lead	5.28	0.0954	0.286		mg/Kg-dry	5	02/01/10 05:00 PM
Selenium	1.11	0.143	0.477		mg/Kg-dry	5	02/01/10 05:00 PM
Silver	ND	0.0954	0.191		mg/Kg-dry	5	02/01/10 05:00 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.85	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(4.0-5.0)
Lab ID: 1001149-02
Collection Date: 01/20/10 08:16 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0138	0.0431		mg/Kg-dry	1	02/01/10 11:30 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.70	0.465	0.931		mg/Kg-dry	5	02/01/10 05:06 PM
Barium	102	0.465	1.86		mg/Kg-dry	5	02/01/10 05:06 PM
Cadmium	ND	0.0931	0.279		mg/Kg-dry	5	02/01/10 05:06 PM
Chromium	8.03	0.465	1.86		mg/Kg-dry	5	02/01/10 05:06 PM
Lead	4.45	0.0931	0.279		mg/Kg-dry	5	02/01/10 05:06 PM
Selenium	1.25	0.140	0.465		mg/Kg-dry	5	02/01/10 05:06 PM
Silver	ND	0.0931	0.186		mg/Kg-dry	5	02/01/10 05:06 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.18	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(14.0-15.0)
Lab ID: 1001149-03
Collection Date: 01/20/10 08:38 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0160	0.0499		mg/Kg-dry	1	02/01/10 11:32 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.81	0.486	0.973		mg/Kg-dry	5	02/01/10 05:11 PM
Barium	192	0.486	1.95		mg/Kg-dry	5	02/01/10 05:11 PM
Cadmium	0.115	0.0973	0.292	J	mg/Kg-dry	5	02/01/10 05:11 PM
Chromium	6.93	0.486	1.95		mg/Kg-dry	5	02/01/10 05:11 PM
Lead	4.59	0.0973	0.292		mg/Kg-dry	5	02/01/10 05:11 PM
Selenium	1.33	0.146	0.486		mg/Kg-dry	5	02/01/10 05:11 PM
Silver	ND	0.0973	0.195		mg/Kg-dry	5	02/01/10 05:11 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.83	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-001-(9.0-10.0)
Lab ID: 1001149-04
Collection Date: 01/20/10 08:30 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0167	0.0520		mg/Kg-dry	1	02/01/10 11:34 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.14	0.497	0.995		mg/Kg-dry	5	02/01/10 05:17 PM
Barium	119	0.497	1.99		mg/Kg-dry	5	02/01/10 05:17 PM
Cadmium	0.128	0.0995	0.298	J	mg/Kg-dry	5	02/01/10 05:17 PM
Chromium	9.32	0.497	1.99		mg/Kg-dry	5	02/01/10 05:17 PM
Lead	5.31	0.0995	0.298		mg/Kg-dry	5	02/01/10 05:17 PM
Selenium	1.41	0.149	0.497		mg/Kg-dry	5	02/01/10 05:17 PM
Silver	ND	0.0995	0.199		mg/Kg-dry	5	02/01/10 05:17 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	5.16	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(14.0-15.0)
Lab ID: 1001149-05
Collection Date: 01/20/10 09:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 11:36 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.80	0.444	0.887		mg/Kg-dry	5	02/01/10 05:23 PM
Barium	87.0	0.444	1.77		mg/Kg-dry	5	02/01/10 05:23 PM
Cadmium	0.132	0.0887	0.266	J	mg/Kg-dry	5	02/01/10 05:23 PM
Chromium	6.71	0.444	1.77		mg/Kg-dry	5	02/01/10 05:23 PM
Lead	4.12	0.0887	0.266		mg/Kg-dry	5	02/01/10 05:23 PM
Selenium	1.43	0.133	0.444		mg/Kg-dry	5	02/01/10 05:23 PM
Silver	ND	0.0887	0.177		mg/Kg-dry	5	02/01/10 05:23 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.69	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(4.0-5.0)
Lab ID: 1001149-06
Collection Date: 01/20/10 09:14 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0144	0.0449		mg/Kg-dry	1	02/01/10 11:38 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.97	0.501	1.00		mg/Kg-dry	5	02/01/10 05:29 PM
Barium	135	0.501	2.00		mg/Kg-dry	5	02/01/10 05:29 PM
Cadmium	0.162	0.100	0.301	J	mg/Kg-dry	5	02/01/10 05:29 PM
Chromium	8.87	0.501	2.00		mg/Kg-dry	5	02/01/10 05:29 PM
Lead	5.84	0.100	0.301		mg/Kg-dry	5	02/01/10 05:29 PM
Selenium	1.60	0.150	0.501		mg/Kg-dry	5	02/01/10 05:29 PM
Silver	ND	0.100	0.200		mg/Kg-dry	5	02/01/10 05:29 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.04	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(0.5-1.0)
Lab ID: 1001149-07
Collection Date: 01/20/10 09:00 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0143	0.0447		mg/Kg-dry	1	02/01/10 11:40 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.07	0.501	1.00		mg/Kg-dry	5	02/01/10 05:35 PM
Barium	148	0.501	2.00		mg/Kg-dry	5	02/01/10 05:35 PM
Cadmium	0.191	0.100	0.301	J	mg/Kg-dry	5	02/01/10 05:35 PM
Chromium	10.1	0.501	2.00		mg/Kg-dry	5	02/01/10 05:35 PM
Lead	6.53	0.100	0.301		mg/Kg-dry	5	02/01/10 05:35 PM
Selenium	1.81	0.150	0.501		mg/Kg-dry	5	02/01/10 05:35 PM
Silver	ND	0.100	0.200		mg/Kg-dry	5	02/01/10 05:35 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.99	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-103-(14.0-15.0)
Lab ID: 1001149-08
Collection Date: 01/20/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0138	0.0433		mg/Kg-dry	1	02/01/10 11:42 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.22	0.448	0.896		mg/Kg-dry	5	02/01/10 05:41 PM
Barium	75.2	0.448	1.79		mg/Kg-dry	5	02/01/10 05:41 PM
Cadmium	0.133	0.0896	0.269	J	mg/Kg-dry	5	02/01/10 05:41 PM
Chromium	9.02	0.448	1.79		mg/Kg-dry	5	02/01/10 05:41 PM
Lead	4.48	0.0896	0.269		mg/Kg-dry	5	02/01/10 05:41 PM
Selenium	1.30	0.134	0.448		mg/Kg-dry	5	02/01/10 05:41 PM
Silver	ND	0.0896	0.179		mg/Kg-dry	5	02/01/10 05:41 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	2.12	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(14.0-15.0)
Lab ID: 1001149-09
Collection Date: 01/20/10 10:20 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 11:44 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.30	0.469	0.938		mg/Kg-dry	5	02/01/10 06:46 PM
Barium	63.2	0.469	1.88		mg/Kg-dry	5	02/01/10 06:46 PM
Cadmium	0.110	0.0938	0.281	J	mg/Kg-dry	5	02/01/10 06:46 PM
Chromium	9.05	0.469	1.88		mg/Kg-dry	5	02/01/10 06:46 PM
Lead	3.83	0.0938	0.281		mg/Kg-dry	5	02/01/10 06:46 PM
Selenium	1.24	0.141	0.469		mg/Kg-dry	5	02/01/10 06:46 PM
Silver	ND	0.0938	0.188		mg/Kg-dry	5	02/01/10 06:46 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	2.22	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(9.0-10.0)
Lab ID: 1001149-10
Collection Date: 01/20/10 10:17 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0153	0.0477		mg/Kg-dry	1	02/01/10 11:50 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.83	0.496	0.992		mg/Kg-dry	5	02/01/10 06:52 PM
Barium	57.0	0.496	1.98		mg/Kg-dry	5	02/01/10 06:52 PM
Cadmium	0.133	0.0992	0.298	J	mg/Kg-dry	5	02/01/10 06:52 PM
Chromium	7.24	0.496	1.98		mg/Kg-dry	5	02/01/10 06:52 PM
Lead	3.74	0.0992	0.298		mg/Kg-dry	5	02/01/10 06:52 PM
Selenium	1.19	0.149	0.496		mg/Kg-dry	5	02/01/10 06:52 PM
Silver	ND	0.0992	0.198		mg/Kg-dry	5	02/01/10 06:52 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.88	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(0.5-1.0)
Lab ID: 1001149-11
Collection Date: 01/20/10 09:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0172	0.0536		mg/Kg-dry	1	02/01/10 11:52 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.72	0.460	0.921		mg/Kg-dry	5	02/01/10 06:57 PM
Barium	233	0.460	1.84		mg/Kg-dry	5	02/01/10 06:57 PM
Cadmium	0.293	0.0921	0.276		mg/Kg-dry	5	02/01/10 06:57 PM
Chromium	10.9	0.460	1.84		mg/Kg-dry	5	02/01/10 06:57 PM
Lead	8.08	0.0921	0.276		mg/Kg-dry	5	02/01/10 06:57 PM
Selenium	2.17	0.138	0.460		mg/Kg-dry	5	02/01/10 06:57 PM
Silver	ND	0.0921	0.184		mg/Kg-dry	5	02/01/10 06:57 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	7.18	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-003-(4.0-5.0)
Lab ID: 1001149-12
Collection Date: 01/20/10 10:04 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0145	0.0454		mg/Kg-dry	1	02/01/10 11:54 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.51	0.511	1.02		mg/Kg-dry	5	02/01/10 07:03 PM
Barium	191	0.511	2.05		mg/Kg-dry	5	02/01/10 07:03 PM
Cadmium	0.299	0.102	0.307	J	mg/Kg-dry	5	02/01/10 07:03 PM
Chromium	10.8	0.511	2.05		mg/Kg-dry	5	02/01/10 07:03 PM
Lead	7.62	0.102	0.307		mg/Kg-dry	5	02/01/10 07:03 PM
Selenium	2.01	0.153	0.511		mg/Kg-dry	5	02/01/10 07:03 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/01/10 07:03 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	6.87	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-BG-002-(9.0-10.0)
Lab ID: 1001149-13
Collection Date: 01/20/10 09:24 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0154	0.0480		mg/Kg-dry	1	02/01/10 11:57 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.99	0.517	1.03		mg/Kg-dry	5	02/01/10 07:09 PM
Barium	103	0.517	2.07		mg/Kg-dry	5	02/01/10 07:09 PM
Cadmium	0.146	0.103	0.310	J	mg/Kg-dry	5	02/01/10 07:09 PM
Chromium	9.45	0.517	2.07		mg/Kg-dry	5	02/01/10 07:09 PM
Lead	5.17	0.103	0.310		mg/Kg-dry	5	02/01/10 07:09 PM
Selenium	1.45	0.155	0.517		mg/Kg-dry	5	02/01/10 07:09 PM
Silver	ND	0.103	0.207		mg/Kg-dry	5	02/01/10 07:09 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	4.23	0	0		WT%	1	01/25/10 01:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	131	3.00	9.99		mg/Kg-dry	1	02/01/10 10:57 AM
Surr: Isopropylbenzene	51.8	0	47 - 142		%REC	1	02/01/10 10:57 AM
Surr: Octacosane	131	0	25 - 162		%REC	1	02/01/10 10:57 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0990	0.198		mg/Kg-dry	1	01/27/10 06:00 PM
Surr: Tetrachlorethene	103	0	70 - 134		%REC	1	01/27/10 06:00 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0171	0.0534		mg/Kg-dry	1	02/01/10 10:50 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.70	0.513	1.03		mg/Kg-dry	5	02/01/10 05:47 PM
Barium	235	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Cadmium	0.301	0.103	0.308	J	mg/Kg-dry	5	02/01/10 05:47 PM
Chromium	10.7	0.513	2.05		mg/Kg-dry	5	02/01/10 05:47 PM
Lead	18.0	0.103	0.308		mg/Kg-dry	5	02/01/10 05:47 PM
Selenium	2.17	0.154	0.513		mg/Kg-dry	5	02/01/10 05:47 PM
Silver	ND	0.103	0.205		mg/Kg-dry	5	02/01/10 05:47 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Anthracene	0.0150	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[g,h,i]perylene	0.00530	0.00515	0.0103	J	mg/Kg-dry	1	01/28/10 07:52 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 07:52 PM
Surr: 2-Fluorobiphenyl	96.1	0	40 - 140		%REC	1	01/28/10 07:52 PM
Surr: 4-Terphenyl-d14	85.5	0	40 - 140		%REC	1	01/28/10 07:52 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,1-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2,2-Tetrachloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1,2-Trichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,1-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,3-Trichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2,4-Trimethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromo-3-chloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dibromoethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3,5-Trimethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,3-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichloro-2-butene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
1,4-Dichlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2,2-Dichloropropane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Butanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chloroethylvinylether	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
2-Chlorotoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
2-Hexanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
4-Chlorotoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
4-Methyl-2-pentanone	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Acetone	ND	0.0146	0.0487		mg/Kg-dry	1	01/25/10 04:22 PM
Acrylonitrile	ND	0.00292	0.00974		mg/Kg-dry	1	01/25/10 04:22 PM
Benzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromodichloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromoform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Bromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon disulfide	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Carbon tetrachloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chlorobenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloroform	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Chloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
cis-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromochloromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dibromomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Dichlorodifluoromethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Ethylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Hexachlorobutadiene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Iodomethane	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Isopropylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(0.5-1.0)
Lab ID: 1001149-14
Collection Date: 01/20/10 04:34 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methyl tert-butyl ether	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Methylene chloride	ND	0.00487	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
n-Propylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Naphthalene	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
o-Xylene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
p-Isopropyltoluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
sec-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Styrene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
tert-Butylbenzene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Tetrachloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Toluene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,2-Dichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
trans-1,3-Dichloropropene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichloroethene	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Trichlorofluoromethane	ND	0.00487	0.0146		mg/Kg-dry	1	01/25/10 04:22 PM
Vinyl chloride	ND	0.000974	0.00487		mg/Kg-dry	1	01/25/10 04:22 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	01/25/10 04:22 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 04:22 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:22 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 04:22 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.31	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.99	9.97		mg/Kg-dry	1	02/01/10 10:14 AM
Surr: Isopropylbenzene	52.6	0	47 - 142		%REC	1	02/01/10 10:14 AM
Surr: Octacosane	53.8	0	25 - 162		%REC	1	02/01/10 10:14 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	01/27/10 06:23 PM
Surr: Tetrachlorethene	110	0	70 - 134		%REC	1	01/27/10 06:23 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0140	0.0438		mg/Kg-dry	1	02/01/10 11:59 AM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.68	0.464	0.928		mg/Kg-dry	5	02/01/10 07:15 PM
Barium	105	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Cadmium	0.159	0.0928	0.278	J	mg/Kg-dry	5	02/01/10 07:15 PM
Chromium	8.04	0.464	1.86		mg/Kg-dry	5	02/01/10 07:15 PM
Lead	5.19	0.0928	0.278		mg/Kg-dry	5	02/01/10 07:15 PM
Selenium	1.31	0.139	0.464		mg/Kg-dry	5	02/01/10 07:15 PM
Silver	ND	0.0928	0.186		mg/Kg-dry	5	02/01/10 07:15 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Acenaphthylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[a]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[b]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[g,h,i]perylene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Benzo[k]fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Chrysene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Dibenz[a,h]anthracene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluoranthene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Fluorene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Indeno[1,2,3-cd]pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Naphthalene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Phenanthrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Pyrene	ND	0.00515	0.0103		mg/Kg-dry	1	01/28/10 08:24 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 08:24 PM
Surr: 4-Terphenyl-d14	90.7	0	40 - 140		%REC	1	01/28/10 08:24 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,1-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2,2-Tetrachloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1,2-Trichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,1-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,3-Trichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2,4-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromo-3-chloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dibromoethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3,5-Trimethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,3-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichloro-2-butene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
1,4-Dichlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2,2-Dichloropropane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Butanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chloroethylvinylether	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
2-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
2-Hexanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
4-Chlorotoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
4-Methyl-2-pentanone	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Acetone	ND	0.0137	0.0456		mg/Kg-dry	1	01/25/10 04:54 PM
Acrylonitrile	ND	0.00273	0.00911		mg/Kg-dry	1	01/25/10 04:54 PM
Benzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromodichloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromoform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Bromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon disulfide	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Carbon tetrachloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chlorobenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloroform	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Chloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
cis-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromochloromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dibromomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Dichlorodifluoromethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Ethylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Hexachlorobutadiene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Iodomethane	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Isopropylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(4.0-5.0)
Lab ID: 1001149-15
Collection Date: 01/20/10 04:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methyl tert-butyl ether	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Methylene chloride	ND	0.00456	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
n-Propylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Naphthalene	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
o-Xylene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
p-Isopropyltoluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
sec-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Styrene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
tert-Butylbenzene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Tetrachloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Toluene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,2-Dichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
trans-1,3-Dichloropropene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichloroethene	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Trichlorofluoromethane	ND	0.00456	0.0137		mg/Kg-dry	1	01/25/10 04:54 PM
Vinyl chloride	ND	0.000911	0.00456		mg/Kg-dry	1	01/25/10 04:54 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 04:54 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 04:54 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:54 PM
Surr: Toluene-d8	93.8	0	85 - 115		%REC	1	01/25/10 04:54 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	02/01/10 10:23 AM
Surr: Isopropylbenzene	61.9	0	47 - 142		%REC	1	02/01/10 10:23 AM
Surr: Octacosane	69.6	0	25 - 162		%REC	1	02/01/10 10:23 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.101	0.201		mg/Kg-dry	1	01/27/10 06:47 PM
Surr: Tetrachlorethene	106	0	70 - 134		%REC	1	01/27/10 06:47 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0160	0.0500		mg/Kg-dry	1	02/01/10 12:01 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.97	0.492	0.984		mg/Kg-dry	5	02/01/10 07:21 PM
Barium	93.9	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Cadmium	0.174	0.0984	0.295	J	mg/Kg-dry	5	02/01/10 07:21 PM
Chromium	9.28	0.492	1.97		mg/Kg-dry	5	02/01/10 07:21 PM
Lead	6.22	0.0984	0.295		mg/Kg-dry	5	02/01/10 07:21 PM
Selenium	1.62	0.148	0.492		mg/Kg-dry	5	02/01/10 07:21 PM
Silver	ND	0.0984	0.197		mg/Kg-dry	5	02/01/10 07:21 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Acenaphthylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[a]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[b]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[g,h,i]perylene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Benzo[k]fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Chrysene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Dibenz[a,h]anthracene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluoranthene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Fluorene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Indeno[1,2,3-cd]pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Naphthalene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Phenanthrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Pyrene	ND	0.00519	0.0104		mg/Kg-dry	1	01/28/10 08:56 PM
Surr: 2-Fluorobiphenyl	94.8	0	40 - 140		%REC	1	01/28/10 08:56 PM
Surr: 4-Terphenyl-d14	82.4	0	40 - 140		%REC	1	01/28/10 08:56 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,1-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1,2-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,1-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,3-Trichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dibromoethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,3-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
1,4-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Butanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chloroethylvinylether	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
2-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
2-Hexanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
4-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
4-Methyl-2-pentanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Acetone	ND	0.0155	0.0517		mg/Kg-dry	1	01/25/10 05:25 PM
Acrylonitrile	ND	0.00310	0.0103		mg/Kg-dry	1	01/25/10 05:25 PM
Benzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromodichloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromoform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Bromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon disulfide	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Carbon tetrachloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloroform	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Chloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dibromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Dichlorodifluoromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Ethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Hexachlorobutadiene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Iodomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Isopropylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(9.0-10.0)
Lab ID: 1001149-16
Collection Date: 01/20/10 04:57 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methyl tert-butyl ether	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Methylene chloride	ND	0.00517	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
n-Propylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Naphthalene	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
o-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
p-Isopropyltoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
sec-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Styrene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
tert-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Tetrachloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Toluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Trichlorofluoromethane	ND	0.00517	0.0155		mg/Kg-dry	1	01/25/10 05:25 PM
Vinyl chloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/25/10 05:25 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 05:25 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 05:25 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 05:25 PM
Surr: Toluene-d8	94.5	0	85 - 115		%REC	1	01/25/10 05:25 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.15	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.00	9.99		mg/Kg-dry	1	02/01/10 10:31 AM
Surr: Isopropylbenzene	60.6	0	47 - 142		%REC	1	02/01/10 10:31 AM
Surr: Octacosane	62.1	0	25 - 162		%REC	1	02/01/10 10:31 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0924	0.185		mg/Kg-dry	1	01/27/10 07:10 PM
Surr: Tetrachlorethene	108	0	70 - 134		%REC	1	01/27/10 07:10 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0156	0.0487		mg/Kg-dry	1	02/01/10 12:03 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.45	0.487	0.975		mg/Kg-dry	5	02/01/10 07:27 PM
Barium	62.9	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Cadmium	0.145	0.0975	0.292	J	mg/Kg-dry	5	02/01/10 07:27 PM
Chromium	9.42	0.487	1.95		mg/Kg-dry	5	02/01/10 07:27 PM
Lead	5.12	0.0975	0.292		mg/Kg-dry	5	02/01/10 07:27 PM
Selenium	1.35	0.146	0.487		mg/Kg-dry	5	02/01/10 07:27 PM
Silver	ND	0.0975	0.195		mg/Kg-dry	5	02/01/10 07:27 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/28/10 09:28 PM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/28/10 09:28 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 09:28 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,1-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1,2-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,1-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,3-Trichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2,4-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromo-3-chloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dibromoethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3,5-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,3-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichloro-2-butene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
1,4-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Butanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chloroethylvinylether	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
2-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
2-Hexanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
4-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
4-Methyl-2-pentanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Acetone	ND	0.0142	0.0473		mg/Kg-dry	1	01/25/10 05:56 PM
Acrylonitrile	ND	0.00284	0.00946		mg/Kg-dry	1	01/25/10 05:56 PM
Benzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromodichloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromoform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Bromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon disulfide	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Carbon tetrachloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloroform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Chloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
cis-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dibromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Dichlorodifluoromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Ethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Hexachlorobutadiene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Iodomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Isopropylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-008-(14.0-15.0)
Lab ID: 1001149-17
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methyl tert-butyl ether	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Methylene chloride	ND	0.00473	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
n-Propylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Naphthalene	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
o-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
p-Isopropyltoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
sec-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Styrene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
tert-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Tetrachloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Toluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
trans-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Trichlorofluoromethane	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 05:56 PM
Vinyl chloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 05:56 PM
Surr: 1,2-Dichloroethane-d4	116	0	78 - 125		%REC	1	01/25/10 05:56 PM
Surr: 4-Bromofluorobenzene	99.0	0	85 - 120		%REC	1	01/25/10 05:56 PM
Surr: Dibromofluoromethane	107	0	84 - 116		%REC	1	01/25/10 05:56 PM
Surr: Toluene-d8	90.3	0	85 - 115		%REC	1	01/25/10 05:56 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.20	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 10:40 AM
Surr: Isopropylbenzene	69.6	0	47 - 142		%REC	1	02/01/10 10:40 AM
Surr: Octacosane	73.6	0	25 - 162		%REC	1	02/01/10 10:40 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0968	0.194		mg/Kg-dry	1	01/27/10 07:33 PM
Surr: Tetrachlorethene	104	0	70 - 134		%REC	1	01/27/10 07:33 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0154	0.0480		mg/Kg-dry	1	02/01/10 12:24 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.55	0.496	0.992		mg/Kg-dry	5	02/01/10 08:26 PM
Barium	66.2	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Cadmium	0.133	0.0992	0.297	J	mg/Kg-dry	5	02/01/10 08:26 PM
Chromium	8.57	0.496	1.98		mg/Kg-dry	5	02/01/10 08:26 PM
Lead	5.98	0.0992	0.297		mg/Kg-dry	5	02/01/10 08:26 PM
Selenium	1.48	0.149	0.496		mg/Kg-dry	5	02/01/10 08:26 PM
Silver	ND	0.0992	0.198		mg/Kg-dry	5	02/01/10 08:26 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Acenaphthylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[a]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[b]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[g,h,i]perylene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Benzo[k]fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Chrysene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Dibenz[a,h]anthracene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluoranthene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Fluorene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Naphthalene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Phenanthrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Pyrene	ND	0.00485	0.00970		mg/Kg-dry	1	01/28/10 10:00 PM
Surr: 2-Fluorobiphenyl	111	0	40 - 140		%REC	1	01/28/10 10:00 PM
Surr: 4-Terphenyl-d14	89.6	0	40 - 140		%REC	1	01/28/10 10:00 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,1-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1,2-Trichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,1-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,3-Trichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dibromoethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,3-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
1,4-Dichlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2,2-Dichloropropane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Butanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chloroethylvinylether	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
2-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
2-Hexanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
4-Chlorotoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
4-Methyl-2-pentanone	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Acetone	ND	0.0153	0.0511		mg/Kg-dry	1	01/25/10 06:28 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 06:28 PM
Benzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromodichloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromoform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Bromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon disulfide	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Carbon tetrachloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chlorobenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloroform	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Chloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromochloromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dibromomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Dichlorodifluoromethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Ethylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Hexachlorobutadiene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Iodomethane	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Isopropylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-108-(14.0-15.0)
Lab ID: 1001149-18
Collection Date: 01/20/10 05:08 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methyl tert-butyl ether	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Methylene chloride	ND	0.00511	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
n-Propylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Naphthalene	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
o-Xylene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
p-Isopropyltoluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
sec-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Styrene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
tert-Butylbenzene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Tetrachloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Toluene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichloroethene	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Trichlorofluoromethane	ND	0.00511	0.0153		mg/Kg-dry	1	01/25/10 06:28 PM
Vinyl chloride	ND	0.00102	0.00511		mg/Kg-dry	1	01/25/10 06:28 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 06:28 PM
Surr: 4-Bromofluorobenzene	97.9	0	85 - 120		%REC	1	01/25/10 06:28 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 06:28 PM
Surr: Toluene-d8	93.7	0	85 - 115		%REC	1	01/25/10 06:28 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.96	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.13	10.4		mg/Kg-dry	1	02/01/10 10:48 AM
Surr: Isopropylbenzene	59.3	0	47 - 142		%REC	1	02/01/10 10:48 AM
Surr: Octacosane	63.7	0	25 - 162		%REC	1	02/01/10 10:48 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 07:57 PM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/27/10 07:57 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0162	0.0505		mg/Kg-dry	1	02/01/10 12:26 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.32	0.511	1.02		mg/Kg-dry	5	02/01/10 08:32 PM
Barium	186	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Cadmium	0.253	0.102	0.306	J	mg/Kg-dry	5	02/01/10 08:32 PM
Chromium	9.87	0.511	2.04		mg/Kg-dry	5	02/01/10 08:32 PM
Lead	13.8	0.102	0.306		mg/Kg-dry	5	02/01/10 08:32 PM
Selenium	2.21	0.153	0.511		mg/Kg-dry	5	02/01/10 08:32 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	02/01/10 08:32 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/28/10 10:32 PM
Surr: 2-Fluorobiphenyl	98.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
Surr: 4-Terphenyl-d14	80.3	0	40 - 140		%REC	1	01/28/10 10:32 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,1-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1,2-Trichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,1-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,3-Trichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dibromoethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,3-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
1,4-Dichlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2,2-Dichloropropane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Butanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chloroethylvinylether	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
2-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
2-Hexanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
4-Chlorotoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
4-Methyl-2-pentanone	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Acetone	ND	0.0157	0.0525		mg/Kg-dry	1	01/25/10 06:59 PM
Acrylonitrile	ND	0.00315	0.0105		mg/Kg-dry	1	01/25/10 06:59 PM
Benzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromodichloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromoform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Bromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon disulfide	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Carbon tetrachloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chlorobenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloroform	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Chloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromochloromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dibromomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Dichlorodifluoromethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Ethylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Hexachlorobutadiene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Iodomethane	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Isopropylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(0.5-1.0)
Lab ID: 1001149-20
Collection Date: 01/20/10 12:40 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methyl tert-butyl ether	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Methylene chloride	ND	0.00525	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
n-Propylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Naphthalene	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
o-Xylene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
p-Isopropyltoluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
sec-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Styrene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
tert-Butylbenzene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Tetrachloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Toluene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichloroethene	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Trichlorofluoromethane	ND	0.00525	0.0157		mg/Kg-dry	1	01/25/10 06:59 PM
Vinyl chloride	ND	0.00105	0.00525		mg/Kg-dry	1	01/25/10 06:59 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 06:59 PM
Surr: 4-Bromofluorobenzene	97.7	0	85 - 120		%REC	1	01/25/10 06:59 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 06:59 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 06:59 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.87	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 11:57 AM
Surr: Isopropylbenzene	59.2	0	47 - 142		%REC	1	02/01/10 11:57 AM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 11:57 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0958	0.192		mg/Kg-dry	1	01/27/10 08:20 PM
Surr: Tetrachlorethene	115	0	70 - 134		%REC	1	01/27/10 08:20 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0162	0.0506		mg/Kg-dry	1	02/01/10 12:28 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.20	0.431	0.861		mg/Kg-dry	5	02/01/10 08:38 PM
Barium	91.5	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Cadmium	0.156	0.0861	0.258	J	mg/Kg-dry	5	02/01/10 08:38 PM
Chromium	4.57	0.431	1.72		mg/Kg-dry	5	02/01/10 08:38 PM
Lead	4.78	0.0861	0.258		mg/Kg-dry	5	02/01/10 08:38 PM
Selenium	1.47	0.129	0.431		mg/Kg-dry	5	02/01/10 08:38 PM
Silver	ND	0.0861	0.172		mg/Kg-dry	5	02/01/10 08:38 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Acenaphthylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[a]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[b]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[g,h,i]perylene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Benzo[k]fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Chrysene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Dibenz[a,h]anthracene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluoranthene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Fluorene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Indeno[1,2,3-cd]pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Naphthalene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Phenanthrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Pyrene	ND	0.00489	0.00978		mg/Kg-dry	1	01/28/10 11:03 PM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/28/10 11:03 PM
Surr: 4-Terphenyl-d14	86.0	0	40 - 140		%REC	1	01/28/10 11:03 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,1-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1,2-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,1-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,3-Trichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2,4-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dibromoethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3,5-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,3-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichloro-2-butene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
1,4-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Butanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
2-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
4-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Acetone	ND	0.0150	0.0500		mg/Kg-dry	1	01/25/10 07:31 PM
Acrylonitrile	ND	0.00300	0.0100		mg/Kg-dry	1	01/25/10 07:31 PM
Benzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromodichloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromoform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Bromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon disulfide	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Carbon tetrachloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloroform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Chloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
cis-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dibromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Dichlorodifluoromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Ethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Hexachlorobutadiene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Iodomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Isopropylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(4.0-5.0)
Lab ID: 1001149-21
Collection Date: 01/20/10 12:50 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methyl tert-butyl ether	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Methylene chloride	ND	0.00500	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
n-Propylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Naphthalene	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
o-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
p-Isopropyltoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
sec-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Styrene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
tert-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Tetrachloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Toluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
trans-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Trichlorofluoromethane	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 07:31 PM
Vinyl chloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 07:31 PM
Surr: 1,2-Dichloroethane-d4	102	0	78 - 125		%REC	1	01/25/10 07:31 PM
Surr: 4-Bromofluorobenzene	99.1	0	85 - 120		%REC	1	01/25/10 07:31 PM
Surr: Dibromofluoromethane	100	0	84 - 116		%REC	1	01/25/10 07:31 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 07:31 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.44	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.15	10.5		mg/Kg-dry	1	02/01/10 12:05 PM
Surr: Isopropylbenzene	56.0	0	47 - 142		%REC	1	02/01/10 12:05 PM
Surr: Octacosane	62.7	0	25 - 162		%REC	1	02/01/10 12:05 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0942	0.188		mg/Kg-dry	1	01/27/10 08:43 PM
Surr: Tetrachlorethene	119	0	70 - 134		%REC	1	01/27/10 08:43 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0153	0.0479		mg/Kg-dry	1	02/01/10 12:30 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.99	0.468	0.935		mg/Kg-dry	5	02/01/10 08:44 PM
Barium	96.0	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Cadmium	0.173	0.0935	0.281	J	mg/Kg-dry	5	02/01/10 08:44 PM
Chromium	9.60	0.468	1.87		mg/Kg-dry	5	02/01/10 08:44 PM
Lead	4.89	0.0935	0.281		mg/Kg-dry	5	02/01/10 08:44 PM
Selenium	1.38	0.140	0.468		mg/Kg-dry	5	02/01/10 08:44 PM
Silver	ND	0.0935	0.187		mg/Kg-dry	5	02/01/10 08:44 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Acenaphthylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[a]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[b]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[g,h,i]perylene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Benzo[k]fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Chrysene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Dibenz[a,h]anthracene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluoranthene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Fluorene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Naphthalene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Phenanthrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Pyrene	ND	0.00529	0.0106		mg/Kg-dry	1	01/28/10 11:36 PM
Surr: 2-Fluorobiphenyl	108	0	40 - 140		%REC	1	01/28/10 11:36 PM
Surr: 4-Terphenyl-d14	86.2	0	40 - 140		%REC	1	01/28/10 11:36 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,1-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1,2-Trichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,1-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,3-Trichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dibromoethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,3-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
1,4-Dichlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2,2-Dichloropropane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Butanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chloroethylvinylether	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
2-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
2-Hexanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
4-Chlorotoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
4-Methyl-2-pentanone	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Acetone	ND	0.0159	0.0529		mg/Kg-dry	1	01/25/10 08:02 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 08:02 PM
Benzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromodichloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromoform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Bromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon disulfide	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Carbon tetrachloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chlorobenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloroform	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Chloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromochloromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dibromomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Dichlorodifluoromethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Ethylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Hexachlorobutadiene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Iodomethane	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Isopropylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(14.0-15.0)
Lab ID: 1001149-22
Collection Date: 01/20/10 01:07 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methyl tert-butyl ether	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Methylene chloride	ND	0.00529	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
n-Propylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Naphthalene	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
o-Xylene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
p-Isopropyltoluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
sec-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Styrene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
tert-Butylbenzene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Tetrachloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Toluene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichloroethene	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Trichlorofluoromethane	ND	0.00529	0.0159		mg/Kg-dry	1	01/25/10 08:02 PM
Vinyl chloride	ND	0.00106	0.00529		mg/Kg-dry	1	01/25/10 08:02 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 08:02 PM
Surr: 4-Bromofluorobenzene	96.8	0	85 - 120		%REC	1	01/25/10 08:02 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 08:02 PM
Surr: Toluene-d8	92.5	0	85 - 115		%REC	1	01/25/10 08:02 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.22	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.09	10.3		mg/Kg-dry	1	02/01/10 12:14 PM
Surr: Isopropylbenzene	60.2	0	47 - 142		%REC	1	02/01/10 12:14 PM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	02/01/10 12:14 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	01/27/10 09:06 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 09:06 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0163	0.0511		mg/Kg-dry	1	02/01/10 12:32 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.14	0.469	0.937		mg/Kg-dry	5	02/01/10 08:50 PM
Barium	113	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Cadmium	0.158	0.0937	0.281	J	mg/Kg-dry	5	02/01/10 08:50 PM
Chromium	9.70	0.469	1.87		mg/Kg-dry	5	02/01/10 08:50 PM
Lead	5.80	0.0937	0.281		mg/Kg-dry	5	02/01/10 08:50 PM
Selenium	1.61	0.141	0.469		mg/Kg-dry	5	02/01/10 08:50 PM
Silver	ND	0.0937	0.187		mg/Kg-dry	5	02/01/10 08:50 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 12:08 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 12:08 AM
Surr: 4-Terphenyl-d14	84.9	0	40 - 140		%REC	1	01/29/10 12:08 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,1-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1,2-Trichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,1-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,3-Trichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dibromoethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,3-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
1,4-Dichlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2,2-Dichloropropane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Butanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chloroethylvinylether	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
2-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
2-Hexanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
4-Chlorotoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
4-Methyl-2-pentanone	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Acetone	ND	0.0152	0.0506		mg/Kg-dry	1	01/25/10 08:34 PM
Acrylonitrile	ND	0.00303	0.0101		mg/Kg-dry	1	01/25/10 08:34 PM
Benzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromodichloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromoform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Bromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon disulfide	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Carbon tetrachloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chlorobenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloroform	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Chloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromochloromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dibromomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Dichlorodifluoromethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Ethylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Hexachlorobutadiene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Iodomethane	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Isopropylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-003-(9.0-10.0)
Lab ID: 1001149-23
Collection Date: 01/20/10 12:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methyl tert-butyl ether	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Methylene chloride	ND	0.00506	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
n-Propylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Naphthalene	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
o-Xylene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
p-Isopropyltoluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
sec-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Styrene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
tert-Butylbenzene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Tetrachloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Toluene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichloroethene	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Trichlorofluoromethane	ND	0.00506	0.0152		mg/Kg-dry	1	01/25/10 08:34 PM
Vinyl chloride	ND	0.00101	0.00506		mg/Kg-dry	1	01/25/10 08:34 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 08:34 PM
Surr: 4-Bromofluorobenzene	97.8	0	85 - 120		%REC	1	01/25/10 08:34 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 08:34 PM
Surr: Toluene-d8	93.1	0	85 - 115		%REC	1	01/25/10 08:34 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.74	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	02/01/10 12:22 PM
Surr: Isopropylbenzene	53.5	0	47 - 142		%REC	1	02/01/10 12:22 PM
Surr: Octacosane	61.3	0	25 - 162		%REC	1	02/01/10 12:22 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.103	0.206		mg/Kg-dry	1	01/27/10 09:29 PM
Surr: Tetrachlorethene	114	0	70 - 134		%REC	1	01/27/10 09:29 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0152	0.0475		mg/Kg-dry	1	02/01/10 12:34 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.37	0.512	1.02		mg/Kg-dry	5	02/01/10 08:55 PM
Barium	194	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Cadmium	0.264	0.102	0.307	J	mg/Kg-dry	5	02/01/10 08:55 PM
Chromium	10.5	0.512	2.05		mg/Kg-dry	5	02/01/10 08:55 PM
Lead	7.92	0.102	0.307		mg/Kg-dry	5	02/01/10 08:55 PM
Selenium	2.14	0.154	0.512		mg/Kg-dry	5	02/01/10 08:55 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/01/10 08:55 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Acenaphthylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[a]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[b]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[g,h,i]perylene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Benzo[k]fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Chrysene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Dibenz[a,h]anthracene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluoranthene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Fluorene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Indeno[1,2,3-cd]pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Naphthalene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Phenanthrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Pyrene	ND	0.00532	0.0106		mg/Kg-dry	1	01/29/10 12:39 AM
Surr: 2-Fluorobiphenyl	104	0	40 - 140		%REC	1	01/29/10 12:39 AM
Surr: 4-Terphenyl-d14	84.8	0	40 - 140		%REC	1	01/29/10 12:39 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,1-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1,2-Trichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,1-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,3-Trichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dibromoethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,3-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
1,4-Dichlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2,2-Dichloropropane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Butanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chloroethylvinylether	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
2-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
2-Hexanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
4-Chlorotoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
4-Methyl-2-pentanone	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Acetone	ND	0.0158	0.0528		mg/Kg-dry	1	01/25/10 09:05 PM
Acrylonitrile	ND	0.00317	0.0106		mg/Kg-dry	1	01/25/10 09:05 PM
Benzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromodichloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromoform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Bromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon disulfide	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Carbon tetrachloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chlorobenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloroform	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Chloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromochloromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dibromomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Dichlorodifluoromethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Ethylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Hexachlorobutadiene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Iodomethane	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Isopropylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-104-(0.5-1.0)
Lab ID: 1001149-24
Collection Date: 01/20/10 01:22 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methyl tert-butyl ether	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Methylene chloride	ND	0.00528	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
n-Propylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Naphthalene	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
o-Xylene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
p-Isopropyltoluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
sec-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Styrene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
tert-Butylbenzene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Tetrachloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Toluene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichloroethene	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Trichlorofluoromethane	ND	0.00528	0.0158		mg/Kg-dry	1	01/25/10 09:05 PM
Vinyl chloride	ND	0.00106	0.00528		mg/Kg-dry	1	01/25/10 09:05 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 09:05 PM
Surr: 4-Bromofluorobenzene	98.8	0	85 - 120		%REC	1	01/25/10 09:05 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 09:05 PM
Surr: Toluene-d8	93.3	0	85 - 115		%REC	1	01/25/10 09:05 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.16	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	7.58	3.07	10.2	J	mg/Kg-dry	1	02/01/10 12:31 PM
Surr: Isopropylbenzene	36.6	0	47 - 142	S	%REC	1	02/01/10 12:31 PM
Surr: Octacosane	52.8	0	25 - 162		%REC	1	02/01/10 12:31 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0999	0.200		mg/Kg-dry	1	01/27/10 10:39 PM
Surr: Tetrachlorethene	121	0	70 - 134		%REC	1	01/27/10 10:39 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0143	0.0448		mg/Kg-dry	1	02/01/10 12:37 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.39	0.511	1.02		mg/Kg-dry	5	02/01/10 09:01 PM
Barium	193	0.511	2.04		mg/Kg-dry	5	02/01/10 09:01 PM
Cadmium	0.290	0.102	0.306	J	mg/Kg-dry	5	02/01/10 09:01 PM
Chromium	10.2	0.511	2.04		mg/Kg-dry	5	02/01/10 09:01 PM
Lead	17.4	0.102	0.306		mg/Kg-dry	5	02/01/10 09:01 PM
Selenium	2.00	0.153	0.511		mg/Kg-dry	5	02/01/10 09:01 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	02/01/10 09:01 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Acenaphthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Acenaphthylene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[a]anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[a]pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[b]fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[g,h,i]perylene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Benzo[k]fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Chrysene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Dibenz[a,h]anthracene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Fluoranthene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Fluorene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Indeno[1,2,3-cd]pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Naphthalene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Phenanthrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Pyrene	ND	0.00498	0.00997		mg/Kg-dry	1	01/29/10 01:11 AM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/29/10 01:11 AM
Surr: 4-Terphenyl-d14	86.1	0	40 - 140		%REC	1	01/29/10 01:11 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,1-Trichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,2,2-Tetrachloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1,2-Trichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1-Dichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,1-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,3-Trichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,3-Trichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,4-Trichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2,4-Trimethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dibromo-3-chloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dibromoethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,2-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3,5-Trimethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,3-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,4-Dichloro-2-butene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
1,4-Dichlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2,2-Dichloropropane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2-Butanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
2-Chloroethylvinylether	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
2-Chlorotoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
2-Hexanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
4-Chlorotoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
4-Methyl-2-pentanone	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
Acetone	ND	0.0148	0.0493		mg/Kg-dry	1	01/25/10 09:37 PM
Acrylonitrile	ND	0.00296	0.00986		mg/Kg-dry	1	01/25/10 09:37 PM
Benzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromochloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromodichloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromoform	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Bromomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Carbon disulfide	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Carbon tetrachloride	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chlorobenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloroethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloroform	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Chloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
cis-1,2-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
cis-1,3-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dibromochloromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dibromomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Dichlorodifluoromethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Ethylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Hexachlorobutadiene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Iodomethane	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Isopropylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(0.5-1.0)
Lab ID: 1001149-25
Collection Date: 01/20/10 01:12 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Methyl tert-butyl ether	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Methylene chloride	ND	0.00493	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
n-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
n-Propylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Naphthalene	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
o-Xylene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
p-Isopropyltoluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
sec-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Styrene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
tert-Butylbenzene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Tetrachloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Toluene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
trans-1,2-Dichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
trans-1,3-Dichloropropene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Trichloroethene	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Trichlorofluoromethane	ND	0.00493	0.0148		mg/Kg-dry	1	01/25/10 09:37 PM
Vinyl chloride	ND	0.000986	0.00493		mg/Kg-dry	1	01/25/10 09:37 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 09:37 PM
Surr: 4-Bromofluorobenzene	97.3	0	85 - 120		%REC	1	01/25/10 09:37 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 09:37 PM
Surr: Toluene-d8	93.7	0	85 - 115		%REC	1	01/25/10 09:37 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.88	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.86	9.52		mg/Kg-dry	1	02/01/10 12:39 PM
Surr: Isopropylbenzene	50.5	0	47 - 142		%REC	1	02/01/10 12:39 PM
Surr: Octacosane	55.2	0	25 - 162		%REC	1	02/01/10 12:39 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0995	0.199		mg/Kg-dry	1	01/27/10 11:02 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 11:02 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0138	0.0432		mg/Kg-dry	1	02/01/10 12:39 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.33	0.455	0.910		mg/Kg-dry	5	02/01/10 09:07 PM
Barium	68.9	0.455	1.82		mg/Kg-dry	5	02/01/10 09:07 PM
Cadmium	0.113	0.0910	0.273	J	mg/Kg-dry	5	02/01/10 09:07 PM
Chromium	8.63	0.455	1.82		mg/Kg-dry	5	02/01/10 09:07 PM
Lead	4.04	0.0910	0.273		mg/Kg-dry	5	02/01/10 09:07 PM
Selenium	1.05	0.136	0.455		mg/Kg-dry	5	02/01/10 09:07 PM
Silver	ND	0.0910	0.182		mg/Kg-dry	5	02/01/10 09:07 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Acenaphthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Acenaphthylene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[a]anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[a]pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[b]fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[g,h,i]perylene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Benzo[k]fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Chrysene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Dibenz[a,h]anthracene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Fluoranthene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Fluorene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Indeno[1,2,3-cd]pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Naphthalene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Phenanthrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Pyrene	ND	0.00494	0.00987		mg/Kg-dry	1	01/29/10 01:43 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 01:43 AM
Surr: 4-Terphenyl-d14	87.5	0	40 - 140		%REC	1	01/29/10 01:43 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,1-Trichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,2,2-Tetrachloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1,2-Trichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1-Dichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,1-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,3-Trichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,3-Trichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,4-Trichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2,4-Trimethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dibromo-3-chloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dibromoethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,2-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3,5-Trimethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,3-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,4-Dichloro-2-butene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
1,4-Dichlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2,2-Dichloropropane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2-Butanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
2-Chloroethylvinylether	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
2-Chlorotoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
2-Hexanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
4-Chlorotoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
4-Methyl-2-pentanone	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
Acetone	ND	0.0138	0.0461		mg/Kg-dry	1	01/25/10 10:08 PM
Acrylonitrile	ND	0.00277	0.00923		mg/Kg-dry	1	01/25/10 10:08 PM
Benzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromochloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromodichloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromoform	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Bromomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Carbon disulfide	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Carbon tetrachloride	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chlorobenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloroethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloroform	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Chloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
cis-1,2-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
cis-1,3-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dibromochloromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dibromomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Dichlorodifluoromethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Ethylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Hexachlorobutadiene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Iodomethane	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Isopropylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(4.0-5.0)
Lab ID: 1001149-26
Collection Date: 01/20/10 01:32 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Methyl tert-butyl ether	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Methylene chloride	ND	0.00461	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
n-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
n-Propylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Naphthalene	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
o-Xylene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
p-Isopropyltoluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
sec-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Styrene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
tert-Butylbenzene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Tetrachloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Toluene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
trans-1,2-Dichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
trans-1,3-Dichloropropene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Trichloroethene	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Trichlorofluoromethane	ND	0.00461	0.0138		mg/Kg-dry	1	01/25/10 10:08 PM
Vinyl chloride	ND	0.000923	0.00461		mg/Kg-dry	1	01/25/10 10:08 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 10:08 PM
Surr: 4-Bromofluorobenzene	98.4	0	85 - 120		%REC	1	01/25/10 10:08 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 10:08 PM
Surr: Toluene-d8	93.5	0	85 - 115		%REC	1	01/25/10 10:08 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	1.84	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.93	9.78		mg/Kg-dry	1	02/01/10 12:48 PM
Surr: Isopropylbenzene	63.9	0	47 - 142		%REC	1	02/01/10 12:48 PM
Surr: Octacosane	72.0	0	25 - 162		%REC	1	02/01/10 12:48 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0982	0.196		mg/Kg-dry	1	01/27/10 11:25 PM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/27/10 11:25 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0158	0.0494		mg/Kg-dry	1	02/01/10 12:45 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.09	0.456	0.912		mg/Kg-dry	5	02/01/10 09:13 PM
Barium	58.7	0.456	1.82		mg/Kg-dry	5	02/01/10 09:13 PM
Cadmium	0.0966	0.0912	0.274	J	mg/Kg-dry	5	02/01/10 09:13 PM
Chromium	9.25	0.456	1.82		mg/Kg-dry	5	02/01/10 09:13 PM
Lead	3.64	0.0912	0.274		mg/Kg-dry	5	02/01/10 09:13 PM
Selenium	0.983	0.137	0.456		mg/Kg-dry	5	02/01/10 09:13 PM
Silver	ND	0.0912	0.182		mg/Kg-dry	5	02/01/10 09:13 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Acenaphthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Acenaphthylene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[a]anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[a]pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[b]fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[g,h,i]perylene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Benzo[k]fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Chrysene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Dibenz[a,h]anthracene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Fluoranthene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Fluorene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Indeno[1,2,3-cd]pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Naphthalene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Phenanthrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Pyrene	ND	0.00490	0.00981		mg/Kg-dry	1	01/29/10 02:15 AM
Surr: 2-Fluorobiphenyl	100	0	40 - 140		%REC	1	01/29/10 02:15 AM
Surr: 4-Terphenyl-d14	84.7	0	40 - 140		%REC	1	01/29/10 02:15 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,1-Trichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1,2-Trichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1-Dichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,1-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,3-Trichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dibromoethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,2-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,3-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
1,4-Dichlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2,2-Dichloropropane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2-Butanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
2-Chloroethylvinylether	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
2-Chlorotoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
2-Hexanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
4-Chlorotoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
4-Methyl-2-pentanone	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
Acetone	ND	0.0152	0.0507		mg/Kg-dry	1	01/25/10 10:40 PM
Acrylonitrile	ND	0.00304	0.0101		mg/Kg-dry	1	01/25/10 10:40 PM
Benzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromochloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromodichloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromoform	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Bromomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Carbon disulfide	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Carbon tetrachloride	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chlorobenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloroethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloroform	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Chloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dibromochloromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dibromomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Dichlorodifluoromethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Ethylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Hexachlorobutadiene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Iodomethane	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Isopropylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(9.0-10.0)
Lab ID: 1001149-27
Collection Date: 01/20/10 01:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Methyl tert-butyl ether	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Methylene chloride	ND	0.00507	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
n-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
n-Propylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Naphthalene	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
o-Xylene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
p-Isopropyltoluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
sec-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Styrene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
tert-Butylbenzene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Tetrachloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Toluene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Trichloroethene	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Trichlorofluoromethane	ND	0.00507	0.0152		mg/Kg-dry	1	01/25/10 10:40 PM
Vinyl chloride	ND	0.00101	0.00507		mg/Kg-dry	1	01/25/10 10:40 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 10:40 PM
Surr: 4-Bromofluorobenzene	97.5	0	85 - 120		%REC	1	01/25/10 10:40 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 10:40 PM
Surr: Toluene-d8	92.4	0	85 - 115		%REC	1	01/25/10 10:40 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.07	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	02/01/10 12:56 PM
Surr: Isopropylbenzene	63.2	0	47 - 142		%REC	1	02/01/10 12:56 PM
Surr: Octacosane	69.3	0	25 - 162		%REC	1	02/01/10 12:56 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0934	0.187		mg/Kg-dry	1	01/27/10 11:48 PM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/27/10 11:48 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0149	0.0465		mg/Kg-dry	1	02/01/10 12:47 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.66	0.504	1.01		mg/Kg-dry	5	02/01/10 10:18 PM
Barium	50.5	0.504	2.02		mg/Kg-dry	5	02/01/10 10:18 PM
Cadmium	0.102	0.101	0.302	J	mg/Kg-dry	5	02/01/10 10:18 PM
Chromium	8.13	0.504	2.02		mg/Kg-dry	5	02/01/10 10:18 PM
Lead	4.33	0.101	0.302		mg/Kg-dry	5	02/01/10 10:18 PM
Selenium	1.22	0.151	0.504		mg/Kg-dry	5	02/01/10 10:18 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	02/01/10 10:18 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 02:47 AM
Surr: 2-Fluorobiphenyl	102	0	40 - 140		%REC	1	01/29/10 02:47 AM
Surr: 4-Terphenyl-d14	82.0	0	40 - 140		%REC	1	01/29/10 02:47 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,1-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1,2-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,1-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,3-Trichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dibromoethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,3-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
1,4-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2-Butanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
2-Chloroethylvinylether	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
2-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
2-Hexanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
4-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
4-Methyl-2-pentanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
Acetone	ND	0.0154	0.0515		mg/Kg-dry	1	01/25/10 11:13 PM
Acrylonitrile	ND	0.00309	0.0103		mg/Kg-dry	1	01/25/10 11:13 PM
Benzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromodichloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromoform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Bromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Carbon disulfide	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Carbon tetrachloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloroform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Chloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dibromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dibromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Dichlorodifluoromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Ethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Hexachlorobutadiene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Iodomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Isopropylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-004-(14.0-15.0)
Lab ID: 1001149-28
Collection Date: 01/20/10 01:45 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Methyl tert-butyl ether	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Methylene chloride	ND	0.00515	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
n-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
n-Propylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Naphthalene	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
o-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
p-Isopropyltoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
sec-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Styrene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
tert-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Tetrachloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Toluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Trichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Trichlorofluoromethane	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 11:13 PM
Vinyl chloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 11:13 PM
Surr: 1,2-Dichloroethane-d4	111	0	78 - 125		%REC	1	01/25/10 11:13 PM
Surr: 4-Bromofluorobenzene	97.3	0	85 - 120		%REC	1	01/25/10 11:13 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 11:13 PM
Surr: Toluene-d8	91.8	0	85 - 115		%REC	1	01/25/10 11:13 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.62	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.03	10.1		mg/Kg-dry	1	02/01/10 01:05 PM
Surr: Isopropylbenzene	58.7	0	47 - 142		%REC	1	02/01/10 01:05 PM
Surr: Octacosane	62.6	0	25 - 162		%REC	1	02/01/10 01:05 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.105	0.210		mg/Kg-dry	1	01/28/10 12:11 AM
Surr: Tetrachlorethene	114	0	70 - 134		%REC	1	01/28/10 12:11 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0150	0.0469		mg/Kg-dry	1	02/01/10 12:49 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.30	0.476	0.951		mg/Kg-dry	5	02/01/10 10:24 PM
Barium	191	0.476	1.90		mg/Kg-dry	5	02/01/10 10:24 PM
Cadmium	0.235	0.0951	0.285	J	mg/Kg-dry	5	02/01/10 10:24 PM
Chromium	9.53	0.476	1.90		mg/Kg-dry	5	02/01/10 10:24 PM
Lead	8.26	0.0951	0.285		mg/Kg-dry	5	02/01/10 10:24 PM
Selenium	1.91	0.143	0.476		mg/Kg-dry	5	02/01/10 10:24 PM
Silver	ND	0.0951	0.190		mg/Kg-dry	5	02/01/10 10:24 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Acenaphthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Acenaphthylene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[a]anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[a]pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[b]fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[g,h,i]perylene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Benzo[k]fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Chrysene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Dibenz[a,h]anthracene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Fluoranthene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Fluorene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Indeno[1,2,3-cd]pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Naphthalene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Phenanthrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Pyrene	ND	0.00524	0.0105		mg/Kg-dry	1	01/29/10 03:19 AM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/29/10 03:19 AM
Surr: 4-Terphenyl-d14	85.7	0	40 - 140		%REC	1	01/29/10 03:19 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,1-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1,2-Trichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,1-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,3-Trichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dibromoethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,3-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
1,4-Dichlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2,2-Dichloropropane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2-Butanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
2-Chloroethylvinylether	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
2-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
2-Hexanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
4-Chlorotoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
4-Methyl-2-pentanone	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
Acetone	ND	0.0155	0.0517		mg/Kg-dry	1	01/26/10 02:37 PM
Acrylonitrile	ND	0.00310	0.0103		mg/Kg-dry	1	01/26/10 02:37 PM
Benzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromodichloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromoform	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Bromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Carbon disulfide	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Carbon tetrachloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chlorobenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloroethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloroform	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Chloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dibromochloromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dibromomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Dichlorodifluoromethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Ethylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Hexachlorobutadiene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Iodomethane	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Isopropylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(0.5-1.0)
Lab ID: 1001149-29
Collection Date: 01/20/10 02:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Methyl tert-butyl ether	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Methylene chloride	ND	0.00517	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
n-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
n-Propylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Naphthalene	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
o-Xylene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
p-Isopropyltoluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
sec-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Styrene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
tert-Butylbenzene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Tetrachloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Toluene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Trichloroethene	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Trichlorofluoromethane	ND	0.00517	0.0155		mg/Kg-dry	1	01/26/10 02:37 PM
Vinyl chloride	ND	0.00103	0.00517		mg/Kg-dry	1	01/26/10 02:37 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/26/10 02:37 PM
Surr: 4-Bromofluorobenzene	99.4	0	85 - 120		%REC	1	01/26/10 02:37 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/26/10 02:37 PM
Surr: Toluene-d8	92.9	0	85 - 115		%REC	1	01/26/10 02:37 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.16	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.87	9.58		mg/Kg-dry	1	02/01/10 01:13 PM
Surr: Isopropylbenzene	64.5	0	47 - 142		%REC	1	02/01/10 01:13 PM
Surr: Octacosane	66.9	0	25 - 162		%REC	1	02/01/10 01:13 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0980	0.196		mg/Kg-dry	1	01/28/10 12:34 AM
Surr: Tetrachlorethene	105	0	70 - 134		%REC	1	01/28/10 12:34 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0156	0.0486		mg/Kg-dry	1	02/01/10 12:05 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.62	0.488	0.976		mg/Kg-dry	5	02/01/10 09:19 PM
Barium	106	0.488	1.95		mg/Kg-dry	5	02/01/10 09:19 PM
Cadmium	0.126	0.0976	0.293	J	mg/Kg-dry	5	02/01/10 09:19 PM
Chromium	8.41	0.488	1.95		mg/Kg-dry	5	02/01/10 09:19 PM
Lead	4.22	0.0976	0.293		mg/Kg-dry	5	02/01/10 09:19 PM
Selenium	1.20	0.146	0.488		mg/Kg-dry	5	02/01/10 09:19 PM
Silver	ND	0.0976	0.195		mg/Kg-dry	5	02/01/10 09:19 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Acenaphthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Acenaphthylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[a]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[a]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[b]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[g,h,i]perylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Benzo[k]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Chrysene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Dibenz[a,h]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Fluorene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Indeno[1,2,3-cd]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Naphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Phenanthrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 03:51 AM
Surr: 2-Fluorobiphenyl	118	0	40 - 140		%REC	1	01/29/10 03:51 AM
Surr: 4-Terphenyl-d14	94.0	0	40 - 140		%REC	1	01/29/10 03:51 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,1-Trichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1,2-Trichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1-Dichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,1-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,3-Trichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dibromoethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,2-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,3-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
1,4-Dichlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2,2-Dichloropropane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2-Butanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
2-Chloroethylvinylether	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
2-Chlorotoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
2-Hexanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
4-Chlorotoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
4-Methyl-2-pentanone	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
Acetone	ND	0.0153	0.0508		mg/Kg-dry	1	01/26/10 03:11 PM
Acrylonitrile	ND	0.00305	0.0102		mg/Kg-dry	1	01/26/10 03:11 PM
Benzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromochloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromodichloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromoform	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Bromomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Carbon disulfide	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Carbon tetrachloride	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chlorobenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloroethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloroform	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Chloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dibromochloromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dibromomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Dichlorodifluoromethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Ethylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Hexachlorobutadiene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Iodomethane	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Isopropylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(4.0-5.0)
Lab ID: 1001149-30
Collection Date: 01/20/10 02:20 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Methyl tert-butyl ether	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Methylene chloride	ND	0.00508	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
n-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
n-Propylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Naphthalene	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
o-Xylene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
p-Isopropyltoluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
sec-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Styrene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
tert-Butylbenzene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Tetrachloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Toluene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Trichloroethene	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Trichlorofluoromethane	ND	0.00508	0.0153		mg/Kg-dry	1	01/26/10 03:11 PM
Vinyl chloride	ND	0.00102	0.00508		mg/Kg-dry	1	01/26/10 03:11 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/26/10 03:11 PM
Surr: 4-Bromofluorobenzene	99.2	0	85 - 120		%REC	1	01/26/10 03:11 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/26/10 03:11 PM
Surr: Toluene-d8	93.3	0	85 - 115		%REC	1	01/26/10 03:11 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.45	0	0		WT%	1	01/25/10 03:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-002-0110
Lab ID: 1001149-31
Collection Date: 01/20/10 02:20 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:56 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:56 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:56 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:56 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-002-0110
Lab ID: 1001149-31
Collection Date: 01/20/10 02:20 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:56 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:56 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:56 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:56 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:56 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:56 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:56 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 05:56 PM
Surr: 4-Bromofluorobenzene	109	0	75 - 120		%REC	1	01/28/10 05:56 PM
Surr: Dibromofluoromethane	105	0	85 - 115		%REC	1	01/28/10 05:56 PM
Surr: Toluene-d8	100	0	85 - 120		%REC	1	01/28/10 05:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.02	10.1		mg/Kg-dry	1	02/01/10 02:38 PM
Surr: Isopropylbenzene	33.3	0	47 - 142	S	%REC	1	02/01/10 02:38 PM
Surr: Octacosane	39.3	0	25 - 162		%REC	1	02/01/10 02:38 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0902	0.180		mg/Kg-dry	1	01/28/10 12:57 AM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/28/10 12:57 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0155	0.0486		mg/Kg-dry	1	02/01/10 12:51 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.25	0.498	0.996		mg/Kg-dry	5	02/01/10 10:30 PM
Barium	102	0.498	1.99		mg/Kg-dry	5	02/01/10 10:30 PM
Cadmium	0.142	0.0996	0.299	J	mg/Kg-dry	5	02/01/10 10:30 PM
Chromium	8.31	0.498	1.99		mg/Kg-dry	5	02/01/10 10:30 PM
Lead	6.08	0.0996	0.299		mg/Kg-dry	5	02/01/10 10:30 PM
Selenium	1.60	0.149	0.498		mg/Kg-dry	5	02/01/10 10:30 PM
Silver	ND	0.0996	0.199		mg/Kg-dry	5	02/01/10 10:30 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Acenaphthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Acenaphthylene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[a]anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[a]pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[b]fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[g,h,i]perylene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Benzo[k]fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Chrysene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Dibenz[a,h]anthracene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Fluoranthene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Fluorene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Indeno[1,2,3-cd]pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Naphthalene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Phenanthrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Pyrene	ND	0.00478	0.00956		mg/Kg-dry	1	01/29/10 02:29 PM
Surr: 2-Fluorobiphenyl	108	0	40 - 140		%REC	1	01/29/10 02:29 PM
Surr: 4-Terphenyl-d14	93.1	0	40 - 140		%REC	1	01/29/10 02:29 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,1-Trichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,2,2-Tetrachloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1,2-Trichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1-Dichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,1-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,3-Trichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,3-Trichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,4-Trichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2,4-Trimethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dibromo-3-chloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dibromoethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,2-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3,5-Trimethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,3-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,4-Dichloro-2-butene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
1,4-Dichlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2,2-Dichloropropane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2-Butanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
2-Chloroethylvinylether	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
2-Chlorotoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
2-Hexanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
4-Chlorotoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
4-Methyl-2-pentanone	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
Acetone	ND	0.0144	0.0481		mg/Kg-dry	1	01/26/10 03:45 PM
Acrylonitrile	ND	0.00289	0.00962		mg/Kg-dry	1	01/26/10 03:45 PM
Benzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromochloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromodichloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromoform	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Bromomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Carbon disulfide	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Carbon tetrachloride	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chlorobenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloroethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloroform	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Chloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
cis-1,2-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
cis-1,3-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dibromochloromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dibromomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Dichlorodifluoromethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Ethylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Hexachlorobutadiene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Iodomethane	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Isopropylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(14.0-15.0)
Lab ID: 1001149-32
Collection Date: 01/20/10 02:39 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Methyl tert-butyl ether	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Methylene chloride	ND	0.00481	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
n-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
n-Propylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Naphthalene	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
o-Xylene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
p-Isopropyltoluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
sec-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Styrene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
tert-Butylbenzene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Tetrachloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Toluene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
trans-1,2-Dichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
trans-1,3-Dichloropropene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Trichloroethene	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Trichlorofluoromethane	ND	0.00481	0.0144		mg/Kg-dry	1	01/26/10 03:45 PM
Vinyl chloride	ND	0.000962	0.00481		mg/Kg-dry	1	01/26/10 03:45 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/26/10 03:45 PM
Surr: 4-Bromofluorobenzene	98.0	0	85 - 120		%REC	1	01/26/10 03:45 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/26/10 03:45 PM
Surr: Toluene-d8	93.6	0	85 - 115		%REC	1	01/26/10 03:45 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.54	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.88	9.61		mg/Kg-dry	1	02/01/10 02:46 PM
Surr: Isopropylbenzene	43.2	0	47 - 142	S	%REC	1	02/01/10 02:46 PM
Surr: Octacosane	48.3	0	25 - 162		%REC	1	02/01/10 02:46 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	01/28/10 01:20 AM
Surr: Tetrachlorethene	110	0	70 - 134		%REC	1	01/28/10 01:20 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0159	0.0498		mg/Kg-dry	1	02/01/10 12:53 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.60	0.438	0.875		mg/Kg-dry	5	02/01/10 10:36 PM
Barium	92.8	0.438	1.75		mg/Kg-dry	5	02/01/10 10:36 PM
Cadmium	0.116	0.0875	0.263	J	mg/Kg-dry	5	02/01/10 10:36 PM
Chromium	7.90	0.438	1.75		mg/Kg-dry	5	02/01/10 10:36 PM
Lead	4.05	0.0875	0.263		mg/Kg-dry	5	02/01/10 10:36 PM
Selenium	1.21	0.131	0.438		mg/Kg-dry	5	02/01/10 10:36 PM
Silver	ND	0.0875	0.175		mg/Kg-dry	5	02/01/10 10:36 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Acenaphthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Acenaphthylene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[a]anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[a]pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[b]fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[g,h,i]perylene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Benzo[k]fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Chrysene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Dibenz[a,h]anthracene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Fluoranthene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Fluorene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Indeno[1,2,3-cd]pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Naphthalene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Phenanthrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Pyrene	ND	0.00511	0.0102		mg/Kg-dry	1	01/29/10 03:01 PM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/29/10 03:01 PM
Surr: 4-Terphenyl-d14	86.4	0	40 - 140		%REC	1	01/29/10 03:01 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,1-Trichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,2,2-Tetrachloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1,2-Trichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1-Dichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,1-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,3-Trichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,3-Trichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,4-Trichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2,4-Trimethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dibromo-3-chloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dibromoethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,2-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3,5-Trimethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,3-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,4-Dichloro-2-butene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
1,4-Dichlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2,2-Dichloropropane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2-Butanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
2-Chloroethylvinylether	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
2-Chlorotoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
2-Hexanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
4-Chlorotoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
4-Methyl-2-pentanone	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
Acetone	ND	0.0138	0.0458		mg/Kg-dry	1	01/25/10 10:29 PM
Acrylonitrile	ND	0.00275	0.00917		mg/Kg-dry	1	01/25/10 10:29 PM
Benzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromochloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromodichloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromoform	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Bromomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Carbon disulfide	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Carbon tetrachloride	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chlorobenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloroethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloroform	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Chloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
cis-1,2-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
cis-1,3-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dibromochloromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dibromomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Dichlorodifluoromethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Ethylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Hexachlorobutadiene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Iodomethane	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Isopropylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-005-(9.0-10.0)
Lab ID: 1001149-33
Collection Date: 01/20/10 02:30 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Methyl tert-butyl ether	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Methylene chloride	ND	0.00458	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
n-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
n-Propylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Naphthalene	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
o-Xylene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
p-Isopropyltoluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
sec-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Styrene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
tert-Butylbenzene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Tetrachloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Toluene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
trans-1,2-Dichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
trans-1,3-Dichloropropene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Trichloroethene	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Trichlorofluoromethane	ND	0.00458	0.0138		mg/Kg-dry	1	01/25/10 10:29 PM
Vinyl chloride	ND	0.000917	0.00458		mg/Kg-dry	1	01/25/10 10:29 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 10:29 PM
Surr: 4-Bromofluorobenzene	102	0	85 - 120		%REC	1	01/25/10 10:29 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 10:29 PM
Surr: Toluene-d8	98.3	0	85 - 115		%REC	1	01/25/10 10:29 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.15	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	778	6.23	20.8		mg/Kg-dry	2	02/01/10 04:07 PM
Surr: Isopropylbenzene	59.4	0	47 - 142		%REC	2	02/01/10 04:07 PM
Surr: Octacosane	303	0	25 - 162	S	%REC	2	02/01/10 04:07 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.207		mg/Kg-dry	1	01/28/10 01:43 AM
Surr: Tetrachlorethene	113	0	70 - 134		%REC	1	01/28/10 01:43 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0150	0.0468		mg/Kg-dry	1	02/01/10 12:55 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	11.4	0.526	1.05		mg/Kg-dry	5	02/01/10 10:42 PM
Barium	338	0.526	2.10		mg/Kg-dry	5	02/01/10 10:42 PM
Cadmium	0.491	0.105	0.315		mg/Kg-dry	5	02/01/10 10:42 PM
Chromium	9.46	0.526	2.10		mg/Kg-dry	5	02/01/10 10:42 PM
Lead	371	0.105	0.315		mg/Kg-dry	5	02/01/10 10:42 PM
Selenium	1.42	0.158	0.526		mg/Kg-dry	5	02/01/10 10:42 PM
Silver	0.132	0.105	0.210	J	mg/Kg-dry	5	02/01/10 10:42 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	0.0123	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Acenaphthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Acenaphthylene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Anthracene	0.0173	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Benzo[a]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[a]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[b]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[g,h,i]perylene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Benzo[k]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Chrysene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Dibenz[a,h]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Fluoranthene	0.00720	0.00508	0.0102	J	mg/Kg-dry	1	01/30/10 01:47 AM
Fluorene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Indeno[1,2,3-cd]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	02/03/10 05:43 PM
Naphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Phenanthrene	0.00912	0.00508	0.0102	J	mg/Kg-dry	1	01/30/10 01:47 AM
Pyrene	0.0152	0.00508	0.0102		mg/Kg-dry	1	01/30/10 01:47 AM
Surr: 2-Fluorobiphenyl	73.8	0	40 - 140		%REC	10	02/03/10 05:43 PM
Surr: 2-Fluorobiphenyl	95.8	0	40 - 140		%REC	1	01/30/10 01:47 AM
Surr: 4-Terphenyl-d14	52.1	0	40 - 140		%REC	1	01/30/10 01:47 AM
Surr: 4-Terphenyl-d14	73.9	0	40 - 140		%REC	10	02/03/10 05:43 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,1-Trichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,2,2-Tetrachloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1,2-Trichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,1-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,3-Trichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,3-Trichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,4-Trichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2,4-Trimethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dibromo-3-chloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dibromoethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,2-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3,5-Trimethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,3-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,4-Dichloro-2-butene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
1,4-Dichlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2,2-Dichloropropane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2-Butanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
2-Chloroethylvinylether	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
2-Chlorotoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
2-Hexanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
4-Chlorotoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
4-Methyl-2-pentanone	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
Acetone	ND	0.0151	0.0503		mg/Kg-dry	1	01/25/10 11:01 PM
Acrylonitrile	ND	0.00302	0.0101		mg/Kg-dry	1	01/25/10 11:01 PM
Benzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromochloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromodichloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromoform	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Bromomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Carbon disulfide	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Carbon tetrachloride	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chlorobenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloroethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloroform	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Chloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
cis-1,2-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
cis-1,3-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dibromochloromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dibromomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Dichlorodifluoromethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Ethylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Hexachlorobutadiene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(0.5-1.0)
Lab ID: 1001149-34
Collection Date: 01/20/10 02:56 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Isopropylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
m,p-Xylene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Methyl tert-butyl ether	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Methylene chloride	ND	0.00503	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
n-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
n-Propylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Naphthalene	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
o-Xylene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
p-Isopropyltoluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
sec-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Styrene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
tert-Butylbenzene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Tetrachloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Toluene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
trans-1,2-Dichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
trans-1,3-Dichloropropene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Trichloroethene	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Trichlorofluoromethane	ND	0.00503	0.0151		mg/Kg-dry	1	01/25/10 11:01 PM
Vinyl chloride	ND	0.00101	0.00503		mg/Kg-dry	1	01/25/10 11:01 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 11:01 PM
Surr: 4-Bromofluorobenzene	109	0	85 - 120		%REC	1	01/25/10 11:01 PM
Surr: Dibromofluoromethane	107	0	84 - 116		%REC	1	01/25/10 11:01 PM
Surr: Toluene-d8	96.9	0	85 - 115		%REC	1	01/25/10 11:01 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.84	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	1900	30.4	101		mg/Kg-dry	10	02/01/10 03:03 PM
Surr: Isopropylbenzene	58.2	0	47 - 142		%REC	10	02/01/10 03:03 PM
Surr: Octacosane	1510	0	25 - 162	S	%REC	10	02/01/10 03:03 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0990	0.198		mg/Kg-dry	1	01/28/10 02:06 AM
Surr: Tetrachlorethene	94.0	0	70 - 134		%REC	1	01/28/10 02:06 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0149	0.0466		mg/Kg-dry	1	02/01/10 12:57 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.87	0.505	1.01		mg/Kg-dry	5	02/01/10 10:48 PM
Barium	161	0.505	2.02		mg/Kg-dry	5	02/01/10 10:48 PM
Cadmium	0.157	0.101	0.303	J	mg/Kg-dry	5	02/01/10 10:48 PM
Chromium	7.96	0.505	2.02		mg/Kg-dry	5	02/01/10 10:48 PM
Lead	35.5	0.101	0.303		mg/Kg-dry	5	02/01/10 10:48 PM
Selenium	1.26	0.152	0.505		mg/Kg-dry	5	02/01/10 10:48 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	02/01/10 10:48 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Acenaphthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Acenaphthylene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Anthracene	0.0328	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Benzo[a]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[a]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[b]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[g,h,i]perylene	0.0781	0.0508	0.102	J	mg/Kg-dry	10	01/30/10 03:54 AM
Benzo[k]fluoranthene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Chrysene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Dibenz[a,h]anthracene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Fluoranthene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Fluorene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Indeno[1,2,3-cd]pyrene	ND	0.0508	0.102		mg/Kg-dry	10	01/30/10 03:54 AM
Naphthalene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Phenanthrene	ND	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Pyrene	0.0197	0.00508	0.0102		mg/Kg-dry	1	01/30/10 02:19 AM
Surr: 2-Fluorobiphenyl	67.2	0	40 - 140		%REC	10	01/30/10 03:54 AM
Surr: 2-Fluorobiphenyl	99.7	0	40 - 140		%REC	1	01/30/10 02:19 AM
Surr: 4-Terphenyl-d14	58.0	0	40 - 140		%REC	1	01/30/10 02:19 AM
Surr: 4-Terphenyl-d14	49.9	0	40 - 140		%REC	10	01/30/10 03:54 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,1-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,2,2-Tetrachloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1,2-Trichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,1-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,3-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,3-Trichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,4-Trichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2,4-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dibromo-3-chloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dibromoethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3,5-Trimethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,3-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,4-Dichloro-2-butene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
1,4-Dichlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2,2-Dichloropropane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2-Butanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
2-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
2-Hexanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
4-Chlorotoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
Acetone	ND	0.0150	0.0500		mg/Kg-dry	1	01/25/10 01:53 PM
Acrylonitrile	ND	0.00300	0.0100		mg/Kg-dry	1	01/25/10 01:53 PM
Benzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromodichloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromoform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Bromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Carbon disulfide	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Carbon tetrachloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chlorobenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloroethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloroform	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Chloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
cis-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
cis-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dibromochloromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dibromomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Dichlorodifluoromethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Ethylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Hexachlorobutadiene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(4.0-5.0)
Lab ID: 1001149-35
Collection Date: 01/20/10 03:10 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Isopropylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
m,p-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Methyl tert-butyl ether	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Methylene chloride	ND	0.00500	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
n-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
n-Propylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Naphthalene	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
o-Xylene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
p-Isopropyltoluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
sec-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Styrene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
tert-Butylbenzene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Tetrachloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Toluene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
trans-1,2-Dichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
trans-1,3-Dichloropropene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Trichloroethene	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Trichlorofluoromethane	ND	0.00500	0.0150		mg/Kg-dry	1	01/25/10 01:53 PM
Vinyl chloride	ND	0.00100	0.00500		mg/Kg-dry	1	01/25/10 01:53 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 01:53 PM
Surr: 4-Bromofluorobenzene	129	0	85 - 120	S	%REC	1	01/25/10 01:53 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 01:53 PM
Surr: Toluene-d8	103	0	85 - 115		%REC	1	01/25/10 01:53 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.75	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	1280	29.7	99.0		mg/Kg-dry	10	01/25/10 04:46 PM
Surr: Isopropylbenzene	57.6	0	47 - 142		%REC	10	01/25/10 04:46 PM
Surr: Octacosane	774	0	25 - 162	S	%REC	10	01/25/10 04:46 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.102	0.203		mg/Kg-dry	1	01/28/10 05:10 AM
Surr: Tetrachlorethene	82.2	0	70 - 134		%REC	1	01/28/10 05:10 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0148	0.0462		mg/Kg-dry	1	02/01/10 12:59 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.10	0.451	0.902		mg/Kg-dry	5	02/01/10 10:53 PM
Barium	108	0.451	1.80		mg/Kg-dry	5	02/01/10 10:53 PM
Cadmium	ND	0.0902	0.271		mg/Kg-dry	5	02/01/10 10:53 PM
Chromium	5.52	0.451	1.80		mg/Kg-dry	5	02/01/10 10:53 PM
Lead	10.2	0.0902	0.271		mg/Kg-dry	5	02/01/10 10:53 PM
Selenium	0.825	0.135	0.451		mg/Kg-dry	5	02/01/10 10:53 PM
Silver	ND	0.0902	0.180		mg/Kg-dry	5	02/01/10 10:53 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Acenaphthene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Acenaphthylene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Anthracene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Benzo[a]anthracene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[a]pyrene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[b]fluoranthene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[g,h,i]perylene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Benzo[k]fluoranthene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Chrysene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Dibenz[a,h]anthracene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Fluoranthene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Fluorene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Indeno[1,2,3-cd]pyrene	ND	0.0499	0.0997		mg/Kg-dry	10	01/30/10 04:26 AM
Naphthalene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Phenanthrene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Pyrene	ND	0.00499	0.00997		mg/Kg-dry	1	01/30/10 02:51 AM
Surr: 2-Fluorobiphenyl	65.9	0	40 - 140		%REC	10	01/30/10 04:26 AM
Surr: 2-Fluorobiphenyl	95.8	0	40 - 140		%REC	1	01/30/10 02:51 AM
Surr: 4-Terphenyl-d14	66.7	0	40 - 140		%REC	1	01/30/10 02:51 AM
Surr: 4-Terphenyl-d14	50.9	0	40 - 140		%REC	10	01/30/10 04:26 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,1-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1,2-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,1-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,3-Trichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dibromoethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,3-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
1,4-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2-Butanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
2-Chloroethylvinylether	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
2-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
2-Hexanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
4-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
4-Methyl-2-pentanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
Acetone	ND	0.0154	0.0512		mg/Kg-dry	1	01/25/10 02:26 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 02:26 PM
Benzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromodichloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromoform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Bromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Carbon disulfide	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Carbon tetrachloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloroform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Chloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dibromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dibromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Dichlorodifluoromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Ethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Hexachlorobutadiene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(8.0-9.0)
Lab ID: 1001149-36
Collection Date: 01/20/10 03:14 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Iodomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Isopropylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
m,p-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Methyl tert-butyl ether	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Methylene chloride	ND	0.00512	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
n-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
n-Propylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Naphthalene	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
o-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
p-Isopropyltoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
sec-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Styrene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
tert-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Tetrachloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Toluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Trichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Trichlorofluoromethane	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 02:26 PM
Vinyl chloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 02:26 PM
Surr: 1,2-Dichloroethane-d4	104	0	78 - 125		%REC	1	01/25/10 02:26 PM
Surr: 4-Bromofluorobenzene	122	0	85 - 120	S	%REC	1	01/25/10 02:26 PM
Surr: Dibromofluoromethane	101	0	84 - 116		%REC	1	01/25/10 02:26 PM
Surr: Toluene-d8	103	0	85 - 115		%REC	1	01/25/10 02:26 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.40	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.11	10.4		mg/Kg-dry	1	01/25/10 12:50 PM
Surr: Isopropylbenzene	61.4	0	47 - 142		%REC	1	01/25/10 12:50 PM
Surr: Octacosane	64.2	0	25 - 162		%REC	1	01/25/10 12:50 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	01/28/10 05:33 AM
Surr: Tetrachlorethene	115	0	70 - 134		%REC	1	01/28/10 05:33 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0154	0.0481		mg/Kg-dry	1	02/01/10 01:02 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.08	0.513	1.03		mg/Kg-dry	5	02/01/10 10:59 PM
Barium	60.3	0.513	2.05		mg/Kg-dry	5	02/01/10 10:59 PM
Cadmium	0.124	0.103	0.308	J	mg/Kg-dry	5	02/01/10 10:59 PM
Chromium	7.12	0.513	2.05		mg/Kg-dry	5	02/01/10 10:59 PM
Lead	4.29	0.103	0.308		mg/Kg-dry	5	02/01/10 10:59 PM
Selenium	1.41	0.154	0.513		mg/Kg-dry	5	02/01/10 10:59 PM
Silver	ND	0.103	0.205		mg/Kg-dry	5	02/01/10 10:59 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Acenaphthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Acenaphthylene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[a]anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[a]pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[b]fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[g,h,i]perylene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Benzo[k]fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Chrysene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Dibenz[a,h]anthracene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Fluoranthene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Fluorene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Naphthalene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Phenanthrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Pyrene	ND	0.00500	0.0100		mg/Kg-dry	1	01/29/10 03:32 PM
Surr: 2-Fluorobiphenyl	105	0	40 - 140		%REC	1	01/29/10 03:32 PM
Surr: 4-Terphenyl-d14	87.5	0	40 - 140		%REC	1	01/29/10 03:32 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,1-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,2,2-Tetrachloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1,2-Trichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,1-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,3-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,3-Trichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,4-Trichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2,4-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dibromo-3-chloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dibromoethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3,5-Trimethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,3-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,4-Dichloro-2-butene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
1,4-Dichlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2,2-Dichloropropane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2-Butanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
2-Chloroethylvinylether	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
2-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
2-Hexanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
4-Chlorotoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
4-Methyl-2-pentanone	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
Acetone	0.0180	0.0154	0.0515	J	mg/Kg-dry	1	01/25/10 02:58 PM
Acrylonitrile	ND	0.00309	0.0103		mg/Kg-dry	1	01/25/10 02:58 PM
Benzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromodichloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromoform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Bromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Carbon disulfide	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Carbon tetrachloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chlorobenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloroethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloroform	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Chloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
cis-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
cis-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dibromochloromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dibromomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Dichlorodifluoromethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Ethylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Hexachlorobutadiene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Iodomethane	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Isopropylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-106-(14.0-15.0)
Lab ID: 1001149-37
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Methyl tert-butyl ether	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Methylene chloride	ND	0.00515	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
n-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
n-Propylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Naphthalene	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
o-Xylene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
p-Isopropyltoluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
sec-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Styrene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
tert-Butylbenzene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Tetrachloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Toluene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
trans-1,2-Dichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
trans-1,3-Dichloropropene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Trichloroethene	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Trichlorofluoromethane	ND	0.00515	0.0154		mg/Kg-dry	1	01/25/10 02:58 PM
Vinyl chloride	ND	0.00103	0.00515		mg/Kg-dry	1	01/25/10 02:58 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 02:58 PM
Surr: 4-Bromofluorobenzene	99.6	0	85 - 120		%REC	1	01/25/10 02:58 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 02:58 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 02:58 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.25	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

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DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.17	10.6		mg/Kg-dry	1	01/25/10 12:58 PM
Surr: Isopropylbenzene	60.2	0	47 - 142		%REC	1	01/25/10 12:58 PM
Surr: Octacosane	63.0	0	25 - 162		%REC	1	01/25/10 12:58 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0955	0.191		mg/Kg-dry	1	01/28/10 05:56 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 05:56 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0146	0.0457		mg/Kg-dry	1	02/01/10 03:37 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.31	0.516	1.03		mg/Kg-dry	5	02/02/10 12:33 PM
Barium	64.5	0.516	2.07		mg/Kg-dry	5	02/02/10 12:33 PM
Cadmium	0.152	0.103	0.310	J	mg/Kg-dry	5	02/02/10 12:33 PM
Chromium	7.84	0.516	2.07		mg/Kg-dry	5	02/02/10 12:33 PM
Lead	4.46	0.103	0.310		mg/Kg-dry	5	02/02/10 12:33 PM
Selenium	1.24	0.155	0.516		mg/Kg-dry	5	02/02/10 12:33 PM
Silver	ND	0.103	0.207		mg/Kg-dry	5	02/02/10 12:33 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Acenaphthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Acenaphthylene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[a]anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[a]pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[b]fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[g,h,i]perylene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Benzo[k]fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Chrysene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Dibenz[a,h]anthracene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Fluoranthene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Fluorene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Indeno[1,2,3-cd]pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Naphthalene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Phenanthrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Pyrene	ND	0.00497	0.00995		mg/Kg-dry	1	01/29/10 04:05 PM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/29/10 04:05 PM
Surr: 4-Terphenyl-d14	87.7	0	40 - 140		%REC	1	01/29/10 04:05 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,1-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1,2-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,1-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,3-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,3-Trichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,4-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2,4-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dibromo-3-chloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dibromoethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3,5-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,3-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,4-Dichloro-2-butene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
1,4-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2-Butanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
2-Chloroethylvinylether	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
2-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
2-Hexanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
4-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
4-Methyl-2-pentanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
Acetone	0.0168	0.0156	0.0521	J	mg/Kg-dry	1	01/25/10 03:29 PM
Acrylonitrile	ND	0.00313	0.0104		mg/Kg-dry	1	01/25/10 03:29 PM
Benzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromodichloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromoform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Bromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Carbon disulfide	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Carbon tetrachloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloroform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Chloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
cis-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
cis-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dibromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dibromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Dichlorodifluoromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Ethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Hexachlorobutadiene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Iodomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Isopropylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-006-(14.0-15.0)
Lab ID: 1001149-38
Collection Date: 01/20/10 03:23 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Methyl tert-butyl ether	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Methylene chloride	ND	0.00521	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
n-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
n-Propylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Naphthalene	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
o-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
p-Isopropyltoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
sec-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Styrene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
tert-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Tetrachloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Toluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
trans-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
trans-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Trichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Trichlorofluoromethane	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 03:29 PM
Vinyl chloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 03:29 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 03:29 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 03:29 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 03:29 PM
Surr: Toluene-d8	95.9	0	85 - 115		%REC	1	01/25/10 03:29 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.98	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.18	10.6		mg/Kg-dry	1	01/25/10 01:07 PM
Surr: Isopropylbenzene	61.0	0	47 - 142		%REC	1	01/25/10 01:07 PM
Surr: Octacosane	67.4	0	25 - 162		%REC	1	01/25/10 01:07 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.103	0.206		mg/Kg-dry	1	01/28/10 06:19 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 06:19 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0155	0.0485		mg/Kg-dry	1	02/01/10 03:39 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.79	0.483	0.966		mg/Kg-dry	5	02/02/10 12:38 PM
Barium	235	0.483	1.93		mg/Kg-dry	5	02/02/10 12:38 PM
Cadmium	0.242	0.0966	0.290	J	mg/Kg-dry	5	02/02/10 12:38 PM
Chromium	11.4	2.41	9.66		mg/Kg-dry	25	02/03/10 11:44 AM
Lead	12.7	0.0966	0.290		mg/Kg-dry	5	02/02/10 12:38 PM
Selenium	2.07	0.145	0.483		mg/Kg-dry	5	02/02/10 12:38 PM
Silver	ND	0.0966	0.193		mg/Kg-dry	5	02/02/10 12:38 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Acenaphthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Acenaphthylene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[a]anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[a]pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[b]fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[g,h,i]perylene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Benzo[k]fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Chrysene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Dibenz[a,h]anthracene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Fluoranthene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Fluorene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Naphthalene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Phenanthrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Pyrene	ND	0.00523	0.0105		mg/Kg-dry	1	01/29/10 04:36 PM
Surr: 2-Fluorobiphenyl	107	0	40 - 140		%REC	1	01/29/10 04:36 PM
Surr: 4-Terphenyl-d14	94.5	0	40 - 140		%REC	1	01/29/10 04:36 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,1-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1,2-Trichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,1-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,3-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,3-Trichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,4-Trichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2,4-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dibromo-3-chloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dibromoethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3,5-Trimethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,3-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,4-Dichloro-2-butene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
1,4-Dichlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2,2-Dichloropropane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2-Butanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
2-Chloroethylvinylether	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
2-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
2-Hexanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
4-Chlorotoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
4-Methyl-2-pentanone	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
Acetone	ND	0.0156	0.0521		mg/Kg-dry	1	01/25/10 04:01 PM
Acrylonitrile	ND	0.00313	0.0104		mg/Kg-dry	1	01/25/10 04:01 PM
Benzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromodichloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromoform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Bromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Carbon disulfide	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Carbon tetrachloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chlorobenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloroethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloroform	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Chloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
cis-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
cis-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dibromochloromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dibromomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Dichlorodifluoromethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Ethylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Hexachlorobutadiene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Iodomethane	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Isopropylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(0.5-1.0)
Lab ID: 1001149-39
Collection Date: 01/20/10 03:46 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Methyl tert-butyl ether	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Methylene chloride	ND	0.00521	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
n-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
n-Propylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Naphthalene	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
o-Xylene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
p-Isopropyltoluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
sec-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Styrene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
tert-Butylbenzene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Tetrachloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Toluene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
trans-1,2-Dichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
trans-1,3-Dichloropropene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Trichloroethene	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Trichlorofluoromethane	ND	0.00521	0.0156		mg/Kg-dry	1	01/25/10 04:01 PM
Vinyl chloride	ND	0.00104	0.00521		mg/Kg-dry	1	01/25/10 04:01 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 04:01 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 04:01 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 04:01 PM
Surr: Toluene-d8	98.6	0	85 - 115		%REC	1	01/25/10 04:01 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.70	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	01/25/10 01:15 PM
Surr: Isopropylbenzene	66.1	0	47 - 142		%REC	1	01/25/10 01:15 PM
Surr: Octacosane	66.6	0	25 - 162		%REC	1	01/25/10 01:15 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0996	0.199		mg/Kg-dry	1	01/28/10 06:42 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 06:42 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0149	0.0465		mg/Kg-dry	1	02/01/10 03:41 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.17	0.497	0.994		mg/Kg-dry	5	02/02/10 12:44 PM
Barium	89.8	0.497	1.99		mg/Kg-dry	5	02/02/10 12:44 PM
Cadmium	0.141	0.0994	0.298	J	mg/Kg-dry	5	02/02/10 12:44 PM
Chromium	9.16	0.497	1.99		mg/Kg-dry	5	02/02/10 07:28 PM
Lead	4.87	0.0994	0.298		mg/Kg-dry	5	02/02/10 12:44 PM
Selenium	1.30	0.149	0.497		mg/Kg-dry	5	02/02/10 12:44 PM
Silver	ND	0.0994	0.199		mg/Kg-dry	5	02/02/10 12:44 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/29/10 07:57 PM
Surr: 2-Fluorobiphenyl	107	0	40 - 140		%REC	1	01/29/10 07:57 PM
Surr: 4-Terphenyl-d14	85.4	0	40 - 140		%REC	1	01/29/10 07:57 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,1-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1,2-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,1-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,3-Trichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dibromoethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,3-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
1,4-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2-Butanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
2-Chloroethylvinylether	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
2-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
2-Hexanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
4-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
4-Methyl-2-pentanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
Acetone	ND	0.0157	0.0524		mg/Kg-dry	1	01/25/10 04:35 PM
Acrylonitrile	ND	0.00314	0.0105		mg/Kg-dry	1	01/25/10 04:35 PM
Benzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromodichloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromoform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Bromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Carbon disulfide	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Carbon tetrachloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloroform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Chloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dibromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dibromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Dichlorodifluoromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Ethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Hexachlorobutadiene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Iodomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Isopropylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(14.0-15.0)
Lab ID: 1001149-40
Collection Date: 01/20/10 04:09 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Methyl tert-butyl ether	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Methylene chloride	ND	0.00524	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
n-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
n-Propylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Naphthalene	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
o-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
p-Isopropyltoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
sec-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Styrene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
tert-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Tetrachloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Toluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Trichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Trichlorofluoromethane	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 04:35 PM
Vinyl chloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 04:35 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 04:35 PM
Surr: 4-Bromofluorobenzene	99.7	0	85 - 120		%REC	1	01/25/10 04:35 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 04:35 PM
Surr: Toluene-d8	97.6	0	85 - 115		%REC	1	01/25/10 04:35 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.13	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.03	10.1		mg/Kg-dry	1	01/25/10 01:24 PM
Surr: Isopropylbenzene	64.7	0	47 - 142		%REC	1	01/25/10 01:24 PM
Surr: Octacosane	67.0	0	25 - 162		%REC	1	01/25/10 01:24 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0923	0.185		mg/Kg-dry	1	01/28/10 07:06 AM
Surr: Tetrachlorethene	102	0	70 - 134		%REC	1	01/28/10 07:06 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0158	0.0495		mg/Kg-dry	1	02/01/10 03:43 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.81	0.503	1.01		mg/Kg-dry	5	02/02/10 01:42 PM
Barium	122	0.503	2.01		mg/Kg-dry	5	02/02/10 01:42 PM
Cadmium	0.179	0.101	0.302	J	mg/Kg-dry	5	02/02/10 01:42 PM
Chromium	7.42	0.503	2.01		mg/Kg-dry	5	02/02/10 08:15 PM
Lead	4.79	0.101	0.302		mg/Kg-dry	5	02/02/10 01:42 PM
Selenium	1.33	0.151	0.503		mg/Kg-dry	5	02/02/10 01:42 PM
Silver	ND	0.101	0.201		mg/Kg-dry	5	02/02/10 01:42 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Acenaphthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Acenaphthylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[a]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[a]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[b]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[g,h,i]perylene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Benzo[k]fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Chrysene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Dibenz[a,h]anthracene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Fluoranthene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Fluorene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Indeno[1,2,3-cd]pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Naphthalene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Phenanthrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Pyrene	ND	0.00495	0.00990		mg/Kg-dry	1	01/29/10 08:29 PM
Surr: 2-Fluorobiphenyl	113	0	40 - 140		%REC	1	01/29/10 08:29 PM
Surr: 4-Terphenyl-d14	99.1	0	40 - 140		%REC	1	01/29/10 08:29 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,1-Trichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,2,2-Tetrachloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1,2-Trichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1-Dichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,1-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,3-Trichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,3-Trichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,4-Trichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2,4-Trimethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dibromo-3-chloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dibromoethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,2-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3,5-Trimethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,3-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,4-Dichloro-2-butene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
1,4-Dichlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2,2-Dichloropropane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2-Butanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
2-Chloroethylvinylether	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
2-Chlorotoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
2-Hexanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
4-Chlorotoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
4-Methyl-2-pentanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
Acetone	ND	0.0144	0.0479		mg/Kg-dry	1	01/25/10 05:08 PM
Acrylonitrile	ND	0.00288	0.00958		mg/Kg-dry	1	01/25/10 05:08 PM
Benzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromochloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromodichloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromoform	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Bromomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Carbon disulfide	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Carbon tetrachloride	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chlorobenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloroethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloroform	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Chloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
cis-1,2-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
cis-1,3-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dibromochloromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dibromomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Dichlorodifluoromethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Ethylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Hexachlorobutadiene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Iodomethane	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Isopropylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(4.0-5.0)
Lab ID: 1001149-41
Collection Date: 01/20/10 03:58 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Methyl tert-butyl ether	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Methylene chloride	ND	0.00479	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
n-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
n-Propylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Naphthalene	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
o-Xylene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
p-Isopropyltoluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
sec-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Styrene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
tert-Butylbenzene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Tetrachloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Toluene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
trans-1,2-Dichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
trans-1,3-Dichloropropene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Trichloroethene	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Trichlorofluoromethane	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 05:08 PM
Vinyl chloride	ND	0.000958	0.00479		mg/Kg-dry	1	01/25/10 05:08 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 05:08 PM
Surr: 4-Bromofluorobenzene	99.7	0	85 - 120		%REC	1	01/25/10 05:08 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 05:08 PM
Surr: Toluene-d8	97.2	0	85 - 115		%REC	1	01/25/10 05:08 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.56	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.95	9.84		mg/Kg-dry	1	01/25/10 01:32 PM
Surr: Isopropylbenzene	50.7	0	47 - 142		%REC	1	01/25/10 01:32 PM
Surr: Octacosane	53.8	0	25 - 162		%REC	1	01/25/10 01:32 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0972	0.194		mg/Kg-dry	1	01/28/10 07:29 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 07:29 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 03:45 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.11	0.455	0.910		mg/Kg-dry	5	02/02/10 12:50 PM
Barium	143	0.455	1.82		mg/Kg-dry	5	02/02/10 12:50 PM
Cadmium	0.200	0.0910	0.273	J	mg/Kg-dry	5	02/02/10 12:50 PM
Chromium	11.0	2.27	9.10		mg/Kg-dry	25	02/03/10 11:49 AM
Lead	6.77	0.0910	0.273		mg/Kg-dry	5	02/02/10 12:50 PM
Selenium	1.57	0.136	0.455		mg/Kg-dry	5	02/02/10 12:50 PM
Silver	ND	0.0910	0.182		mg/Kg-dry	5	02/02/10 12:50 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Acenaphthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Acenaphthylene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[a]anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[a]pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[b]fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[g,h,i]perylene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Benzo[k]fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Chrysene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Dibenz[a,h]anthracene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Fluoranthene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Fluorene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Naphthalene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Phenanthrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Pyrene	ND	0.00512	0.0102		mg/Kg-dry	1	01/29/10 09:00 PM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/29/10 09:00 PM
Surr: 4-Terphenyl-d14	94.1	0	40 - 140		%REC	1	01/29/10 09:00 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,1-Trichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,2,2-Tetrachloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1,2-Trichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1-Dichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,1-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,3-Trichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,3-Trichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,4-Trichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2,4-Trimethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dibromo-3-chloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dibromoethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,2-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3,5-Trimethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,3-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,4-Dichloro-2-butene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
1,4-Dichlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2,2-Dichloropropane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2-Butanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
2-Chloroethylvinylether	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
2-Chlorotoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
2-Hexanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
4-Chlorotoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
4-Methyl-2-pentanone	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
Acetone	0.0142	0.0141	0.0470	J	mg/Kg-dry	1	01/25/10 05:40 PM
Acrylonitrile	ND	0.00282	0.00941		mg/Kg-dry	1	01/25/10 05:40 PM
Benzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromochloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromodichloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromoform	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Bromomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Carbon disulfide	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Carbon tetrachloride	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chlorobenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloroethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloroform	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Chloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
cis-1,2-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
cis-1,3-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dibromochloromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dibromomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Dichlorodifluoromethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Ethylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Hexachlorobutadiene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Iodomethane	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Isopropylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-007-(9.0-10.0)
Lab ID: 1001149-42
Collection Date: 01/20/10 04:03 PM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Methyl tert-butyl ether	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Methylene chloride	ND	0.00470	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
n-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
n-Propylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Naphthalene	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
o-Xylene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
p-Isopropyltoluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
sec-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Styrene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
tert-Butylbenzene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Tetrachloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Toluene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
trans-1,2-Dichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
trans-1,3-Dichloropropene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Trichloroethene	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Trichlorofluoromethane	ND	0.00470	0.0141		mg/Kg-dry	1	01/25/10 05:40 PM
Vinyl chloride	ND	0.000941	0.00470		mg/Kg-dry	1	01/25/10 05:40 PM
Surr: 1,2-Dichloroethane-d4	103	0	78 - 125		%REC	1	01/25/10 05:40 PM
Surr: 4-Bromofluorobenzene	104	0	85 - 120		%REC	1	01/25/10 05:40 PM
Surr: Dibromofluoromethane	101	0	84 - 116		%REC	1	01/25/10 05:40 PM
Surr: Toluene-d8	98.4	0	85 - 115		%REC	1	01/25/10 05:40 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.39	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-003-0110
Lab ID: 1001149-43
Collection Date: 01/21/10 04:03 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 06:21 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:21 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 06:21 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 06:21 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-003-0110
Lab ID: 1001149-43
Collection Date: 01/21/10 04:03 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 06:21 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 06:21 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 06:21 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:21 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:21 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:21 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 06:21 PM
Surr: 1,2-Dichloroethane-d4	117	0	70 - 120		%REC	1	01/28/10 06:21 PM
Surr: 4-Bromofluorobenzene	110	0	75 - 120		%REC	1	01/28/10 06:21 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 06:21 PM
Surr: Toluene-d8	99.8	0	85 - 120		%REC	1	01/28/10 06:21 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.12	10.4		mg/Kg-dry	1	01/25/10 01:41 PM
Surr: Isopropylbenzene	48.3	0	47 - 142		%REC	1	01/25/10 01:41 PM
Surr: Octacosane	53.0	0	25 - 162		%REC	1	01/25/10 01:41 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0998	0.200		mg/Kg-dry	1	01/28/10 08:43 AM
Surr: Tetrachlorethene	121	0	70 - 134		%REC	1	01/28/10 08:43 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0151	0.0473		mg/Kg-dry	1	02/01/10 03:21 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.71	0.530	1.06		mg/Kg-dry	5	02/02/10 12:56 PM
Barium	216	0.530	2.12		mg/Kg-dry	5	02/02/10 12:56 PM
Cadmium	0.324	0.106	0.318		mg/Kg-dry	5	02/02/10 12:56 PM
Chromium	11.4	5.30	21.2	J	mg/Kg-dry	50	02/03/10 12:28 PM
Lead	9.69	0.106	0.318		mg/Kg-dry	5	02/02/10 12:56 PM
Selenium	2.17	0.159	0.530		mg/Kg-dry	5	02/02/10 12:56 PM
Silver	ND	0.106	0.212		mg/Kg-dry	5	02/02/10 12:56 PM
Semivolatiles by GC/MS - Soil		SW8270C					Analyst: DO
1,2,4,5-Tetrachlorobenzene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2,4-Trichlorobenzene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2-Dichlorobenzene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,2-Diphenylhydrazine	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,3-Dichlorobenzene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1,4-Dichlorobenzene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
1-Chloronaphthalene	ND	0.0420	0.140	N	mg/Kg-dry	1	02/03/10 03:52 AM
1-Methylnaphthalene	ND	0.0630	0.140	N	mg/Kg-dry	1	02/03/10 03:52 AM
1-Naphthylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4,5-Trichlorophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4,6-Trichlorophenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dichlorophenol	ND	0.0841	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dimethylphenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dinitrophenol	ND	0.0525	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
2,4-Dinitrotoluene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,6-Dichlorophenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2,6-Dinitrotoluene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Chloronaphthalene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Chlorophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Methylnaphthalene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Methylphenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Naphthylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Nitroaniline	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Nitrophenol	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
2-Picoline	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
3,3'-Dichlorobenzidine	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
3-Methylcholanthrene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
3-Nitroaniline	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4,6-Dinitro-2-methylphenol	ND	0.0841	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
4-Aminobiphenyl	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Bromophenyl phenyl ether	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chloro-3-methylphenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chloroaniline	ND	0.0525	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
4-Chlorophenyl phenyl ether	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Methylphenol	ND	0.105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Nitroaniline	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
4-Nitrophenol	ND	0.147	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
7,12-Dimethylbenz(a)anthracene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acenaphthene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acenaphthylene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Acetophenone	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Aniline	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Anthracene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzidine	ND	0.347	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[a]anthracene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[a]pyrene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[b]fluoranthene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[g,h,i]perylene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzo[k]fluoranthene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Benzoic acid	ND	0.137	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Benzyl alcohol	ND	0.0420	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Biphenyl	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroethoxy)methane	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroethyl)ether	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-chloroisopropyl)ether	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Bis(2-ethylhexyl)phthalate	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Butyl benzyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Carbazole	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Chrysene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Di-n-butyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Di-n-octyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dibenz(a,j)acridine	0.0490	0.0420	0.140	JN	mg/Kg-dry	1	02/03/10 03:52 AM
Dibenz[a,h]anthracene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Dibenzofuran	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Diethyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dimethyl phthalate	ND	0.105	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Dimethylphenethylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Diphenylamine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Ethyl methanesulfonate	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Fluoranthene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Fluorene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Hexachlorobenzene	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachlorobutadiene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachlorocyclopentadiene	ND	0.0630	0.347		mg/Kg-dry	1	02/03/10 03:52 AM
Hexachloroethane	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Indeno[1,2,3-cd]pyrene	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Isophorone	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Methyl methanesulfonate	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodi-n-propylamine	ND	0.0105	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodimethylamine	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosodiphenylamine	ND	0.0525	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
N-Nitrosopiperidine	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Naphthalene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Nitrobenzene	ND	0.0736	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
p-Dimethylaminoazobenzene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachlorobenzene	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachloronitrobenzene	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pentachlorophenol	ND	0.0946	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenacetin	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenanthrene	ND	0.0315	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Phenol	ND	0.0630	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pronamide	ND	0.0420	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pyrene	ND	0.0210	0.140		mg/Kg-dry	1	02/03/10 03:52 AM
Pyridine	ND	0.137	0.694		mg/Kg-dry	1	02/03/10 03:52 AM
Surr: 2,4,6-Tribromophenol	89.6	0	37 - 125		%REC	1	02/03/10 03:52 AM
Surr: 2-Fluorobiphenyl	79.9	0	60 - 135		%REC	1	02/03/10 03:52 AM
Surr: 2-Fluorophenol	52.5	0	60 - 129	S	%REC	1	02/03/10 03:52 AM
Surr: 4-Terphenyl-d14	91.8	0	45 - 125		%REC	1	02/03/10 03:52 AM
Surr: Nitrobenzene-d5	73.1	0	40 - 125		%REC	1	02/03/10 03:52 AM
Surr: Phenol-d6	52.0	0	40 - 125		%REC	1	02/03/10 03:52 AM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 09:32 PM
Surr: 2-Fluorobiphenyl	92.1	0	40 - 140		%REC	1	01/29/10 09:32 PM
Surr: 4-Terphenyl-d14	88.1	0	40 - 140		%REC	1	01/29/10 09:32 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,1-Trichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,2,2-Tetrachloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1,2-Trichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,1-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,3-Trichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,3-Trichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,4-Trichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2,4-Trimethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dibromo-3-chloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dibromoethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,2-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3,5-Trimethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,3-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,4-Dichloro-2-butene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
1,4-Dichlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2,2-Dichloropropane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2-Butanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
2-Chloroethylvinylether	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
2-Chlorotoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
2-Hexanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
4-Chlorotoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
4-Methyl-2-pentanone	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
Acetone	ND	0.0159	0.0530		mg/Kg-dry	1	01/25/10 06:12 PM
Acrylonitrile	ND	0.00318	0.0106		mg/Kg-dry	1	01/25/10 06:12 PM
Benzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromochloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromodichloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromoform	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Bromomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Carbon disulfide	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Carbon tetrachloride	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chlorobenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chloroethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(0.5-1.0)
Lab ID: 1001149-44
Collection Date: 01/20/10 10:45 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Chloroform	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Chloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
cis-1,2-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
cis-1,3-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dibromochloromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dibromomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Dichlorodifluoromethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Ethylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Hexachlorobutadiene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Iodomethane	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Isopropylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
m,p-Xylene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Methyl tert-butyl ether	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Methylene chloride	ND	0.00530	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
n-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
n-Propylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Naphthalene	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
o-Xylene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
p-Isopropyltoluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
sec-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Styrene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
tert-Butylbenzene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Tetrachloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Toluene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
trans-1,2-Dichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
trans-1,3-Dichloropropene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Trichloroethene	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Trichlorofluoromethane	ND	0.00530	0.0159		mg/Kg-dry	1	01/25/10 06:12 PM
Vinyl chloride	ND	0.00106	0.00530		mg/Kg-dry	1	01/25/10 06:12 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 06:12 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 06:12 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 06:12 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 06:12 PM
Ignitability		SW1010					Analyst: SW
Ignitability	>100	0	0		°C	1	01/28/10 01:00 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	6.52	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.00	9.99		mg/Kg-dry	1	01/25/10 01:49 PM
Surr: Isopropylbenzene	65.5	0	47 - 142		%REC	1	01/25/10 01:49 PM
Surr: Octacosane	67.9	0	25 - 162		%REC	1	01/25/10 01:49 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0985	0.197		mg/Kg-dry	1	01/28/10 09:07 AM
Surr: Tetrachlorethene	112	0	70 - 134		%REC	1	01/28/10 09:07 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0148	0.0463		mg/Kg-dry	1	02/01/10 03:48 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.36	0.485	0.970		mg/Kg-dry	5	02/02/10 01:19 PM
Barium	140	0.485	1.94		mg/Kg-dry	5	02/02/10 01:19 PM
Cadmium	0.135	0.0970	0.291	J	mg/Kg-dry	5	02/02/10 01:19 PM
Chromium	9.39	4.85	19.4	J	mg/Kg-dry	50	02/03/10 12:33 PM
Lead	5.77	0.0970	0.291		mg/Kg-dry	5	02/02/10 01:19 PM
Selenium	1.58	0.146	0.485		mg/Kg-dry	5	02/02/10 01:19 PM
Silver	ND	0.0970	0.194		mg/Kg-dry	5	02/02/10 01:19 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Acenaphthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Acenaphthylene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[a]anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[a]pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[b]fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[g,h,i]perylene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Benzo[k]fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Chrysene	0.0153	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Dibenz[a,h]anthracene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Fluoranthene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Fluorene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Indeno[1,2,3-cd]pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Naphthalene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Phenanthrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Pyrene	ND	0.00506	0.0101		mg/Kg-dry	1	01/29/10 10:04 PM
Surr: 2-Fluorobiphenyl	103	0	40 - 140		%REC	1	01/29/10 10:04 PM
Surr: 4-Terphenyl-d14	98.3	0	40 - 140		%REC	1	01/29/10 10:04 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,1-Trichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,2,2-Tetrachloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1,2-Trichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1-Dichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,1-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,3-Trichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,3-Trichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,4-Trichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2,4-Trimethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dibromo-3-chloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dibromoethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,2-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3,5-Trimethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,3-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,4-Dichloro-2-butene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
1,4-Dichlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2,2-Dichloropropane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2-Butanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
2-Chloroethylvinylether	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
2-Chlorotoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
2-Hexanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
4-Chlorotoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
4-Methyl-2-pentanone	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
Acetone	ND	0.0148	0.0492		mg/Kg-dry	1	01/25/10 06:44 PM
Acrylonitrile	ND	0.00295	0.00985		mg/Kg-dry	1	01/25/10 06:44 PM
Benzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromochloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromodichloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromoform	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Bromomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Carbon disulfide	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Carbon tetrachloride	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chlorobenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloroethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloroform	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Chloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
cis-1,2-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
cis-1,3-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dibromochloromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dibromomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Dichlorodifluoromethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Ethylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Hexachlorobutadiene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Iodomethane	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Isopropylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(4.0-5.0)
Lab ID: 1001149-45
Collection Date: 01/20/10 10:58 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Methyl tert-butyl ether	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Methylene chloride	ND	0.00492	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
n-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
n-Propylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Naphthalene	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
o-Xylene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
p-Isopropyltoluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
sec-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Styrene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
tert-Butylbenzene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Tetrachloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Toluene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
trans-1,2-Dichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
trans-1,3-Dichloropropene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Trichloroethene	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Trichlorofluoromethane	ND	0.00492	0.0148		mg/Kg-dry	1	01/25/10 06:44 PM
Vinyl chloride	ND	0.000985	0.00492		mg/Kg-dry	1	01/25/10 06:44 PM
Surr: 1,2-Dichloroethane-d4	106	0	78 - 125		%REC	1	01/25/10 06:44 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 06:44 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 06:44 PM
Surr: Toluene-d8	97.3	0	85 - 115		%REC	1	01/25/10 06:44 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.58	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.22	10.7		mg/Kg-dry	1	01/25/10 02:51 PM
Surr: Isopropylbenzene	62.3	0	47 - 142		%REC	1	01/25/10 02:51 PM
Surr: Octacosane	66.1	0	25 - 162		%REC	1	01/25/10 02:51 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.105	0.211		mg/Kg-dry	1	01/28/10 09:31 AM
Surr: Tetrachlorethene	111	0	70 - 134		%REC	1	01/28/10 09:31 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0159	0.0497		mg/Kg-dry	1	02/01/10 03:50 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.49	0.512	1.02		mg/Kg-dry	5	02/02/10 01:25 PM
Barium	113	0.512	2.05		mg/Kg-dry	5	02/02/10 01:25 PM
Cadmium	0.164	0.102	0.307	J	mg/Kg-dry	5	02/02/10 01:25 PM
Chromium	11.7	2.56	10.2		mg/Kg-dry	25	02/03/10 12:06 PM
Lead	7.11	0.102	0.307		mg/Kg-dry	5	02/02/10 01:25 PM
Selenium	1.88	0.154	0.512		mg/Kg-dry	5	02/02/10 01:25 PM
Silver	ND	0.102	0.205		mg/Kg-dry	5	02/02/10 01:25 PM
Semivolatiles by GC/MS - Soil		SW8270C					Analyst: DO
1,2,4,5-Tetrachlorobenzene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2,4-Trichlorobenzene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2-Dichlorobenzene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,2-Diphenylhydrazine	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,3-Dichlorobenzene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1,4-Dichlorobenzene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
1-Chloronaphthalene	ND	0.0432	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
1-Methylnaphthalene	ND	0.0647	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
1-Naphthylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4,5-Trichlorophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4,6-Trichlorophenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dichlorophenol	ND	0.0863	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dimethylphenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dinitrophenol	ND	0.0539	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
2,4-Dinitrotoluene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,6-Dichlorophenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2,6-Dinitrotoluene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Chloronaphthalene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Chlorophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Methylnaphthalene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Methylphenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Naphthylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Nitroaniline	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Nitrophenol	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
2-Picoline	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
3,3′-Dichlorobenzidine	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
3-Methylcholanthrene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
3-Nitroaniline	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4,6-Dinitro-2-methylphenol	ND	0.0863	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
4-Aminobiphenyl	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Bromophenyl phenyl ether	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chloro-3-methylphenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chloroaniline	ND	0.0539	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
4-Chlorophenyl phenyl ether	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Methylphenol	ND	0.108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Nitroaniline	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
4-Nitrophenol	ND	0.151	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
7,12-Dimethylbenz(a)anthracene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acenaphthene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acenaphthylene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Acetophenone	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Aniline	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Anthracene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzidine	ND	0.356	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[a]anthracene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[a]pyrene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[b]fluoranthene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[g,h,i]perylene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzo[k]fluoranthene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Benzoic acid	ND	0.140	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Benzyl alcohol	ND	0.0432	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Biphenyl	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroethoxy)methane	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroethyl)ether	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-chloroisopropyl)ether	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Bis(2-ethylhexyl)phthalate	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Butyl benzyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Carbazole	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Chrysene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Di-n-butyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Di-n-octyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dibenz(a,j)acridine	ND	0.0432	0.143	N	mg/Kg-dry	1	02/03/10 04:18 AM
Dibenz[a,h]anthracene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Dibenzofuran	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Diethyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dimethyl phthalate	ND	0.108	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Dimethylphenethylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Diphenylamine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Ethyl methanesulfonate	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Fluoranthene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Fluorene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Hexachlorobenzene	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachlorobutadiene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachlorocyclopentadiene	ND	0.0647	0.356		mg/Kg-dry	1	02/03/10 04:18 AM
Hexachloroethane	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Indeno[1,2,3-cd]pyrene	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Isophorone	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Methyl methanesulfonate	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodi-n-propylamine	ND	0.0108	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodimethylamine	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosodiphenylamine	ND	0.0539	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
N-Nitrosopiperidine	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Naphthalene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Nitrobenzene	ND	0.0755	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
p-Dimethylaminoazobenzene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachlorobenzene	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachloronitrobenzene	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pentachlorophenol	ND	0.0971	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenacetin	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenanthrene	ND	0.0324	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Phenol	ND	0.0647	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pronamide	ND	0.0432	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pyrene	ND	0.0216	0.143		mg/Kg-dry	1	02/03/10 04:18 AM
Pyridine	ND	0.140	0.712		mg/Kg-dry	1	02/03/10 04:18 AM
Surr: 2,4,6-Tribromophenol	88.3	0	37 - 125		%REC	1	02/03/10 04:18 AM
Surr: 2-Fluorobiphenyl	86.1	0	60 - 135		%REC	1	02/03/10 04:18 AM
Surr: 2-Fluorophenol	56.0	0	60 - 129	S	%REC	1	02/03/10 04:18 AM
Surr: 4-Terphenyl-d14	96.8	0	45 - 125		%REC	1	02/03/10 04:18 AM
Surr: Nitrobenzene-d5	80.6	0	40 - 125		%REC	1	02/03/10 04:18 AM
Surr: Phenol-d6	57.2	0	40 - 125		%REC	1	02/03/10 04:18 AM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Acenaphthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Acenaphthylene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[a]anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[a]pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[b]fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[g,h,i]perylene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Benzo[k]fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Chrysene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Dibenz[a,h]anthracene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Fluoranthene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Fluorene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Indeno[1,2,3-cd]pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Naphthalene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Phenanthrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Pyrene	ND	0.00535	0.0107		mg/Kg-dry	1	01/29/10 10:36 PM
Surr: 2-Fluorobiphenyl	105	0	40 - 140		%REC	1	01/29/10 10:36 PM
Surr: 4-Terphenyl-d14	100	0	40 - 140		%REC	1	01/29/10 10:36 PM
8260 Soil Volatiles by GC/MS		**SW8260B**					**Analyst: AJR**
1,1,1,2-Tetrachloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,1-Trichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,2,2-Tetrachloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1,2-Trichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,1-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,3-Trichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,3-Trichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,4-Trichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2,4-Trimethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dibromo-3-chloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dibromoethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,2-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3,5-Trimethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,3-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,4-Dichloro-2-butene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
1,4-Dichlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2,2-Dichloropropane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2-Butanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
2-Chloroethylvinylether	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
2-Chlorotoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
2-Hexanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
4-Chlorotoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
4-Methyl-2-pentanone	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
Acetone	0.0169	0.0147	0.0490	J	mg/Kg-dry	1	01/25/10 07:16 PM
Acrylonitrile	ND	0.00294	0.00980		mg/Kg-dry	1	01/25/10 07:16 PM
Benzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromochloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromodichloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromoform	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Bromomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Carbon disulfide	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Carbon tetrachloride	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chlorobenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chloroethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(9.0-10.0)
Lab ID: 1001149-46
Collection Date: 01/20/10 11:03 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Chloroform	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Chloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
cis-1,2-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
cis-1,3-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dibromochloromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dibromomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Dichlorodifluoromethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Ethylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Hexachlorobutadiene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Iodomethane	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Isopropylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
m,p-Xylene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Methyl tert-butyl ether	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Methylene chloride	ND	0.00490	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
n-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
n-Propylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Naphthalene	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
o-Xylene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
p-Isopropyltoluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
sec-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Styrene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
tert-Butylbenzene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Tetrachloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Toluene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
trans-1,2-Dichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
trans-1,3-Dichloropropene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Trichloroethene	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Trichlorofluoromethane	ND	0.00490	0.0147		mg/Kg-dry	1	01/25/10 07:16 PM
Vinyl chloride	ND	0.000980	0.00490		mg/Kg-dry	1	01/25/10 07:16 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 07:16 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 07:16 PM
Surr: Dibromofluoromethane	103	0	84 - 116		%REC	1	01/25/10 07:16 PM
Surr: Toluene-d8	95.9	0	85 - 115		%REC	1	01/25/10 07:16 PM
Ignitability		SW1010					Analyst: SW
Ignitability	>100	0	0		°C	1	01/28/10 01:00 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	8.71	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.06	10.2		mg/Kg-dry	1	01/25/10 02:59 PM
Surr: Isopropylbenzene	65.7	0	47 - 142		%REC	1	01/25/10 02:59 PM
Surr: Octacosane	65.2	0	25 - 162		%REC	1	01/25/10 02:59 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.105	0.209		mg/Kg-dry	1	01/28/10 10:41 AM
Surr: Tetrachlorethene	117	0	70 - 134		%REC	1	01/28/10 10:41 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0148	0.0463		mg/Kg-dry	1	02/01/10 03:56 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.50	0.466	0.932		mg/Kg-dry	5	02/02/10 01:31 PM
Barium	107	0.466	1.86		mg/Kg-dry	5	02/02/10 01:31 PM
Cadmium	0.189	0.0932	0.280	J	mg/Kg-dry	5	02/02/10 01:31 PM
Chromium	11.6	2.33	9.32		mg/Kg-dry	25	02/03/10 12:11 PM
Lead	6.91	0.0932	0.280		mg/Kg-dry	5	02/02/10 01:31 PM
Selenium	1.80	0.140	0.466		mg/Kg-dry	5	02/02/10 01:31 PM
Silver	ND	0.0932	0.186		mg/Kg-dry	5	02/02/10 01:31 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Acenaphthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Acenaphthylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[a]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[a]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[b]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[g,h,i]perylene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Benzo[k]fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Chrysene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Dibenz[a,h]anthracene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Fluoranthene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Fluorene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Indeno[1,2,3-cd]pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Naphthalene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Phenanthrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Pyrene	ND	0.00517	0.0103		mg/Kg-dry	1	01/29/10 11:08 PM
Surr: 2-Fluorobiphenyl	93.5	0	40 - 140		%REC	1	01/29/10 11:08 PM
Surr: 4-Terphenyl-d14	88.6	0	40 - 140		%REC	1	01/29/10 11:08 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,1-Trichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,2,2-Tetrachloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1,2-Trichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1-Dichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,1-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,3-Trichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,3-Trichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,4-Trichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2,4-Trimethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dibromo-3-chloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dibromoethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,2-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3,5-Trimethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,3-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,4-Dichloro-2-butene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
1,4-Dichlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2,2-Dichloropropane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2-Butanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
2-Chloroethylvinylether	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
2-Chlorotoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
2-Hexanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
4-Chlorotoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
4-Methyl-2-pentanone	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
Acetone	ND	0.0141	0.0471		mg/Kg-dry	1	01/25/10 07:48 PM
Acrylonitrile	ND	0.00283	0.00942		mg/Kg-dry	1	01/25/10 07:48 PM
Benzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromochloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromodichloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromoform	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Bromomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Carbon disulfide	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Carbon tetrachloride	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chlorobenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloroethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloroform	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Chloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
cis-1,2-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
cis-1,3-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dibromochloromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dibromomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Dichlorodifluoromethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Ethylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Hexachlorobutadiene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Iodomethane	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Isopropylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-001-(14.0-15.0)
Lab ID: 1001149-47
Collection Date: 01/20/10 11:15 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Methyl tert-butyl ether	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Methylene chloride	ND	0.00471	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
n-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
n-Propylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Naphthalene	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
o-Xylene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
p-Isopropyltoluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
sec-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Styrene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
tert-Butylbenzene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Tetrachloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Toluene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
trans-1,2-Dichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
trans-1,3-Dichloropropene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Trichloroethene	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Trichlorofluoromethane	ND	0.00471	0.0141		mg/Kg-dry	1	01/25/10 07:48 PM
Vinyl chloride	ND	0.000942	0.00471		mg/Kg-dry	1	01/25/10 07:48 PM
Surr: 1,2-Dichloroethane-d4	107	0	78 - 125		%REC	1	01/25/10 07:48 PM
Surr: 4-Bromofluorobenzene	100	0	85 - 120		%REC	1	01/25/10 07:48 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 07:48 PM
Surr: Toluene-d8	98.0	0	85 - 115		%REC	1	01/25/10 07:48 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	5.03	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.13	10.4		mg/Kg-dry	1	01/25/10 03:08 PM
Surr: Isopropylbenzene	55.6	0	47 - 142		%REC	1	01/25/10 03:08 PM
Surr: Octacosane	60.9	0	25 - 162		%REC	1	01/25/10 03:08 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.102	0.205		mg/Kg-dry	1	01/28/10 11:04 AM
Surr: Tetrachlorethene	118	0	70 - 134		%REC	1	01/28/10 11:04 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0167	0.0522		mg/Kg-dry	1	02/01/10 03:58 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	3.10	0.527	1.05		mg/Kg-dry	5	02/02/10 01:37 PM
Barium	259	0.527	2.11		mg/Kg-dry	5	02/02/10 01:37 PM
Cadmium	0.366	0.105	0.316		mg/Kg-dry	5	02/02/10 01:37 PM
Chromium	13.3	2.63	10.5		mg/Kg-dry	25	02/03/10 12:17 PM
Lead	8.96	0.105	0.316		mg/Kg-dry	5	02/02/10 01:37 PM
Selenium	2.53	0.158	0.527		mg/Kg-dry	5	02/02/10 01:37 PM
Silver	ND	0.105	0.211		mg/Kg-dry	5	02/02/10 01:37 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Acenaphthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Acenaphthylene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[a]anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[a]pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[b]fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[g,h,i]perylene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Benzo[k]fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Chrysene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Dibenz[a,h]anthracene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Fluoranthene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Fluorene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Indeno[1,2,3-cd]pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Naphthalene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Phenanthrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Pyrene	ND	0.00514	0.0103		mg/Kg-dry	1	01/29/10 11:39 PM
Surr: 2-Fluorobiphenyl	94.6	0	40 - 140		%REC	1	01/29/10 11:39 PM
Surr: 4-Terphenyl-d14	102	0	40 - 140		%REC	1	01/29/10 11:39 PM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,1-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,2,2-Tetrachloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1,2-Trichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,1-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,3-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,3-Trichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,4-Trichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2,4-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dibromo-3-chloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dibromoethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3,5-Trimethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,3-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,4-Dichloro-2-butene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
1,4-Dichlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2,2-Dichloropropane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2-Butanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
2-Chloroethylvinylether	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
2-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
2-Hexanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
4-Chlorotoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
4-Methyl-2-pentanone	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
Acetone	ND	0.0157	0.0524		mg/Kg-dry	1	01/25/10 08:20 PM
Acrylonitrile	ND	0.00314	0.0105		mg/Kg-dry	1	01/25/10 08:20 PM
Benzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromodichloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromoform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Bromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Carbon disulfide	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Carbon tetrachloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chlorobenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloroethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloroform	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Chloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
cis-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
cis-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dibromochloromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dibromomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Dichlorodifluoromethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Ethylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Hexachlorobutadiene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Iodomethane	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Isopropylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(0.5-1.0)
Lab ID: 1001149-48
Collection Date: 01/20/10 11:31 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Methyl tert-butyl ether	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Methylene chloride	ND	0.00524	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
n-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
n-Propylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Naphthalene	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
o-Xylene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
p-Isopropyltoluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
sec-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Styrene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
tert-Butylbenzene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Tetrachloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Toluene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
trans-1,2-Dichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
trans-1,3-Dichloropropene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Trichloroethene	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Trichlorofluoromethane	ND	0.00524	0.0157		mg/Kg-dry	1	01/25/10 08:20 PM
Vinyl chloride	ND	0.00105	0.00524		mg/Kg-dry	1	01/25/10 08:20 PM
Surr: 1,2-Dichloroethane-d4	109	0	78 - 125		%REC	1	01/25/10 08:20 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 08:20 PM
Surr: Dibromofluoromethane	105	0	84 - 116		%REC	1	01/25/10 08:20 PM
Surr: Toluene-d8	96.7	0	85 - 115		%REC	1	01/25/10 08:20 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.93	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.96	9.87		mg/Kg-dry	1	01/25/10 03:16 PM
Surr: Isopropylbenzene	63.8	0	47 - 142		%REC	1	01/25/10 03:16 PM
Surr: Octacosane	68.0	0	25 - 162		%REC	1	01/25/10 03:16 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0964	0.193		mg/Kg-dry	1	01/28/10 11:26 AM
Surr: Tetrachlorethene	109	0	70 - 134		%REC	1	01/28/10 11:26 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0162	0.0506		mg/Kg-dry	1	02/01/10 04:00 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.94	0.470	0.940		mg/Kg-dry	5	02/02/10 02:41 PM
Barium	133	0.470	1.88		mg/Kg-dry	5	02/02/10 02:41 PM
Cadmium	0.193	0.0940	0.282	J	mg/Kg-dry	5	02/02/10 02:41 PM
Chromium	8.07	0.470	1.88		mg/Kg-dry	5	02/02/10 02:41 PM
Lead	5.25	0.0940	0.282		mg/Kg-dry	5	02/02/10 02:41 PM
Selenium	1.37	0.141	0.470		mg/Kg-dry	5	02/02/10 02:41 PM
Silver	ND	0.0940	0.188		mg/Kg-dry	5	02/02/10 02:41 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Acenaphthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Acenaphthylene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[a]anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[a]pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[b]fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[g,h,i]perylene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Benzo[k]fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Chrysene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Dibenz[a,h]anthracene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Fluoranthene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Fluorene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Indeno[1,2,3-cd]pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Naphthalene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Phenanthrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Pyrene	ND	0.00513	0.0103		mg/Kg-dry	1	01/30/10 12:11 AM
Surr: 2-Fluorobiphenyl	89.7	0	40 - 140		%REC	1	01/30/10 12:11 AM
Surr: 4-Terphenyl-d14	97.2	0	40 - 140		%REC	1	01/30/10 12:11 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,1-Trichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,2,2-Tetrachloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1,2-Trichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1-Dichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,1-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,3-Trichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,3-Trichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,4-Trichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2,4-Trimethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dibromo-3-chloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dibromoethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,2-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3,5-Trimethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,3-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,4-Dichloro-2-butene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
1,4-Dichlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2,2-Dichloropropane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2-Butanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
2-Chloroethylvinylether	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
2-Chlorotoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
2-Hexanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
4-Chlorotoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
4-Methyl-2-pentanone	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
Acetone	ND	0.0144	0.0479		mg/Kg-dry	1	01/25/10 08:52 PM
Acrylonitrile	ND	0.00288	0.00959		mg/Kg-dry	1	01/25/10 08:52 PM
Benzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromochloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromodichloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromoform	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Bromomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Carbon disulfide	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Carbon tetrachloride	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chlorobenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloroethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloroform	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Chloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
cis-1,2-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
cis-1,3-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dibromochloromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dibromomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Dichlorodifluoromethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Ethylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Hexachlorobutadiene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Iodomethane	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Isopropylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(4.0-5.0)
Lab ID: 1001149-49
Collection Date: 01/20/10 11:42 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Methyl tert-butyl ether	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Methylene chloride	ND	0.00479	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
n-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
n-Propylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Naphthalene	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
o-Xylene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
p-Isopropyltoluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
sec-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Styrene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
tert-Butylbenzene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Tetrachloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Toluene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
trans-1,2-Dichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
trans-1,3-Dichloropropene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Trichloroethene	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Trichlorofluoromethane	ND	0.00479	0.0144		mg/Kg-dry	1	01/25/10 08:52 PM
Vinyl chloride	ND	0.000959	0.00479		mg/Kg-dry	1	01/25/10 08:52 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 08:52 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 08:52 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 08:52 PM
Surr: Toluene-d8	98.1	0	85 - 115		%REC	1	01/25/10 08:52 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	4.14	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	3.04	10.1		mg/Kg-dry	1	01/25/10 03:25 PM
Surr: Isopropylbenzene	64.0	0	47 - 142		%REC	1	01/25/10 03:25 PM
Surr: Octacosane	69.4	0	25 - 162		%REC	1	01/25/10 03:25 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.102	0.205		mg/Kg-dry	1	01/28/10 11:49 AM
Surr: Tetrachlorethene	116	0	70 - 134		%REC	1	01/28/10 11:49 AM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0141	0.0442		mg/Kg-dry	1	02/01/10 04:02 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	2.46	0.490	0.980		mg/Kg-dry	5	02/02/10 02:46 PM
Barium	134	0.490	1.96		mg/Kg-dry	5	02/02/10 02:46 PM
Cadmium	0.247	0.0980	0.294	J	mg/Kg-dry	5	02/02/10 02:46 PM
Chromium	10.5	2.45	9.80		mg/Kg-dry	25	02/03/10 12:22 PM
Lead	7.50	0.0980	0.294		mg/Kg-dry	5	02/02/10 02:46 PM
Selenium	2.01	0.147	0.490		mg/Kg-dry	5	02/02/10 02:46 PM
Silver	ND	0.0980	0.196		mg/Kg-dry	5	02/02/10 02:46 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Acenaphthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Acenaphthylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[a]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[a]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[b]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[g,h,i]perylene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Benzo[k]fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Chrysene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Dibenz[a,h]anthracene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Fluoranthene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Fluorene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Indeno[1,2,3-cd]pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Naphthalene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Phenanthrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Pyrene	ND	0.00509	0.0102		mg/Kg-dry	1	01/30/10 12:43 AM
Surr: 2-Fluorobiphenyl	101	0	40 - 140		%REC	1	01/30/10 12:43 AM
Surr: 4-Terphenyl-d14	110	0	40 - 140		%REC	1	01/30/10 12:43 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,1-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,2,2-Tetrachloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1,2-Trichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,1-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,3-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,3-Trichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,4-Trichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2,4-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dibromo-3-chloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dibromoethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3,5-Trimethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,3-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,4-Dichloro-2-butene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
1,4-Dichlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2,2-Dichloropropane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2-Butanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
2-Chloroethylvinylether	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
2-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
2-Hexanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
4-Chlorotoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
4-Methyl-2-pentanone	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
Acetone	ND	0.0154	0.0512		mg/Kg-dry	1	01/25/10 09:24 PM
Acrylonitrile	ND	0.00307	0.0102		mg/Kg-dry	1	01/25/10 09:24 PM
Benzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromodichloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromoform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Bromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Carbon disulfide	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Carbon tetrachloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chlorobenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloroethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloroform	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Chloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
cis-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
cis-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dibromochloromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dibromomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Dichlorodifluoromethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Ethylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Hexachlorobutadiene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Iodomethane	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Isopropylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(9.0-10.0)
Lab ID: 1001149-50
Collection Date: 01/20/10 11:46 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Methyl tert-butyl ether	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Methylene chloride	ND	0.00512	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
n-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
n-Propylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Naphthalene	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
o-Xylene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
p-Isopropyltoluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
sec-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Styrene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
tert-Butylbenzene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Tetrachloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Toluene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
trans-1,2-Dichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
trans-1,3-Dichloropropene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Trichloroethene	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Trichlorofluoromethane	ND	0.00512	0.0154		mg/Kg-dry	1	01/25/10 09:24 PM
Vinyl chloride	ND	0.00102	0.00512		mg/Kg-dry	1	01/25/10 09:24 PM
Surr: 1,2-Dichloroethane-d4	105	0	78 - 125		%REC	1	01/25/10 09:24 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 09:24 PM
Surr: Dibromofluoromethane	102	0	84 - 116		%REC	1	01/25/10 09:24 PM
Surr: Toluene-d8	97.0	0	85 - 115		%REC	1	01/25/10 09:24 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.77	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	2.89	9.65		mg/Kg-dry	1	01/25/10 03:33 PM
Surr: Isopropylbenzene	64.4	0	47 - 142		%REC	1	01/25/10 03:33 PM
Surr: Octacosane	69.4	0	25 - 162		%REC	1	01/25/10 03:33 PM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0982	0.196		mg/Kg-dry	1	01/28/10 12:12 PM
Surr: Tetrachlorethene	113	0	70 - 134		%REC	1	01/28/10 12:12 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0142	0.0444		mg/Kg-dry	1	02/01/10 04:04 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KL
Arsenic	1.97	0.481	0.962		mg/Kg-dry	5	02/02/10 02:52 PM
Barium	63.1	0.481	1.92		mg/Kg-dry	5	02/02/10 02:52 PM
Cadmium	0.159	0.0962	0.289	J	mg/Kg-dry	5	02/02/10 02:52 PM
Chromium	7.44	0.481	1.92		mg/Kg-dry	5	02/02/10 09:13 PM
Lead	4.44	0.0962	0.289		mg/Kg-dry	5	02/02/10 02:52 PM
Selenium	1.14	0.144	0.481		mg/Kg-dry	5	02/02/10 02:52 PM
Silver	ND	0.0962	0.192		mg/Kg-dry	5	02/02/10 02:52 PM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Acenaphthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Acenaphthylene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[a]anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[a]pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[b]fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[g,h,i]perylene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Benzo[k]fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Chrysene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Dibenz[a,h]anthracene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Fluoranthene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Fluorene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Indeno[1,2,3-cd]pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Naphthalene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Phenanthrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Pyrene	ND	0.00499	0.00998		mg/Kg-dry	1	01/30/10 01:15 AM
Surr: 2-Fluorobiphenyl	106	0	40 - 140		%REC	1	01/30/10 01:15 AM
Surr: 4-Terphenyl-d14	120	0	40 - 140		%REC	1	01/30/10 01:15 AM
8260 Soil Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,1-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,2,2-Tetrachloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1,2-Trichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,1-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,3-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,3-Trichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,4-Trichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2,4-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dibromo-3-chloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dibromoethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3,5-Trimethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,3-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,4-Dichloro-2-butene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
1,4-Dichlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2,2-Dichloropropane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2-Butanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
2-Chloroethylvinylether	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
2-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
2-Hexanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
4-Chlorotoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
4-Methyl-2-pentanone	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
Acetone	ND	0.0142	0.0473		mg/Kg-dry	1	01/25/10 09:57 PM
Acrylonitrile	ND	0.00284	0.00946		mg/Kg-dry	1	01/25/10 09:57 PM
Benzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromodichloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromoform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Bromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Carbon disulfide	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Carbon tetrachloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chlorobenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloroethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloroform	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Chloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
cis-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
cis-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dibromochloromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dibromomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Dichlorodifluoromethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Ethylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Hexachlorobutadiene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Iodomethane	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Isopropylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-SB-002-(14.0-15.0)
Lab ID: 1001149-51
Collection Date: 01/20/10 11:54 AM
Matrix: Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Methyl tert-butyl ether	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Methylene chloride	ND	0.00473	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
n-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
n-Propylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Naphthalene	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
o-Xylene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
p-Isopropyltoluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
sec-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Styrene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
tert-Butylbenzene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Tetrachloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Toluene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
trans-1,2-Dichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
trans-1,3-Dichloropropene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Trichloroethene	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Trichlorofluoromethane	ND	0.00473	0.0142		mg/Kg-dry	1	01/25/10 09:57 PM
Vinyl chloride	ND	0.000946	0.00473		mg/Kg-dry	1	01/25/10 09:57 PM
Surr: 1,2-Dichloroethane-d4	108	0	78 - 125		%REC	1	01/25/10 09:57 PM
Surr: 4-Bromofluorobenzene	101	0	85 - 120		%REC	1	01/25/10 09:57 PM
Surr: Dibromofluoromethane	104	0	84 - 116		%REC	1	01/25/10 09:57 PM
Surr: Toluene-d8	94.4	0	85 - 115		%REC	1	01/25/10 09:57 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	3.74	0	0		WT%	1	01/25/10 04:30 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 06:47 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 06:47 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 06:47 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-001-0110
Lab ID: 1001149-52
Collection Date: 01/20/10 11:54 AM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 06:47 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 06:47 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 06:47 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 06:47 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 06:47 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 06:47 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 06:47 PM
Surr: 1,2-Dichloroethane-d4	115	0	70 - 120		%REC	1	01/28/10 06:47 PM
Surr: 4-Bromofluorobenzene	111	0	75 - 120		%REC	1	01/28/10 06:47 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 06:47 PM
Surr: Toluene-d8	98.4	0	85 - 120		%REC	1	01/28/10 06:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Water		M8015D					Analyst: AV
TPH-DRO C10-C28	ND	0.0500	0.100		mg/L	1	01/26/10 11:41 AM
Surr: Isopropylbenzene	44.5	0	60 - 140	S	%REC	1	01/26/10 11:41 AM
Surr: Octacosane	61.8	0	51 - 124		%REC	1	01/26/10 11:41 AM
Method 8015 Gasoline (GRO)		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0600	0.100		mg/L	1	01/28/10 05:53 PM
Surr: Tetrachlorethene	110	0	74 - 138		%REC	1	01/28/10 05:53 PM
Total Mercury: Aqueous		SW7470A					Analyst: LM
Mercury	ND	0.0000600	0.000200		mg/L	1	01/26/10 11:07 AM
Trace Metals: ICP-MS - Water		SW6020					Analyst: CZ
Arsenic	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Barium	0.00434	0.00300	0.0100	J	mg/L	1	01/26/10 11:38 AM
Cadmium	ND	0.000300	0.00100		mg/L	1	01/26/10 11:38 AM
Chromium	0.00305	0.00200	0.00600	J	mg/L	1	01/26/10 11:38 AM
Lead	0.000369	0.000300	0.00100	J	mg/L	1	01/26/10 11:38 AM
Selenium	ND	0.00200	0.00600		mg/L	1	01/26/10 11:38 AM
Silver	ND	0.000600	0.00200		mg/L	1	01/26/10 11:38 AM
PAHs: GC/MS		SW8270C					Analyst: DO
2-Methylnaphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Acenaphthylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[a]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[b]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[g,h,i]perylene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Benzo[k]fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Chrysene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Dibenz[a,h]anthracene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluoranthene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Fluorene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Indeno[1,2,3-cd]pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Naphthalene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Phenanthrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Pyrene	ND	0.000100	0.000200		mg/L	1	01/26/10 08:39 PM
Surr: 2-Fluorobiphenyl	73.6	0	40 - 140		%REC	1	01/26/10 08:39 PM
Surr: 4-Terphenyl-d14	78.7	0	40 - 140		%REC	1	01/26/10 08:39 PM
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 04:41 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 04:41 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 04:41 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 04:41 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-RB-001-0110
Lab ID: 1001149-53
Collection Date: 01/20/10 12:20 PM
Matrix: Equip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 04:41 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 04:41 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 04:41 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Toluene	0.00156	0.000600	0.00200	J	mg/L	1	01/28/10 04:41 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 04:41 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 04:41 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 04:41 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 04:41 PM
Surr: 4-Bromofluorobenzene	107	0	75 - 120		%REC	1	01/28/10 04:41 PM
Surr: Dibromofluoromethane	106	0	85 - 115		%REC	1	01/28/10 04:41 PM
Surr: Toluene-d8	98.8	0	85 - 120		%REC	1	01/28/10 04:41 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:05 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:05 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:05 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-FB-001-0110
Lab ID: 1001149-54
Collection Date: 01/20/10 01:50 PM
Matrix: Field Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:05 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:05 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:05 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:05 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Toluene	0.00187	0.000600	0.00200	J	mg/L	1	01/28/10 05:05 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:05 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:05 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:05 PM
Surr: 1,2-Dichloroethane-d4	113	0	70 - 120		%REC	1	01/28/10 05:05 PM
Surr: 4-Bromofluorobenzene	109	0	75 - 120		%REC	1	01/28/10 05:05 PM
Surr: Dibromofluoromethane	103	0	85 - 115		%REC	1	01/28/10 05:05 PM
Surr: Toluene-d8	100	0	85 - 120		%REC	1	01/28/10 05:05 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 Water Volatiles by GC/MS		SW8260B					Analyst: AJR
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2,4-Trichlorobenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2,4-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.0100		mg/L	1	01/28/10 05:31 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,3,5-Trimethylbenzene	ND	0.00150	0.00500		mg/L	1	01/28/10 05:31 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
1,4-Dichloro-2-butene	ND	0.00200	0.00200		mg/L	1	01/28/10 05:31 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acetone	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Acrylonitrile	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Benzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

DHL Analytical

Date: 02/05/10

CLIENT: Zia Engineering & Environmental
Project: SRC FFTA
Project No: 18
Lab Order: 1001149

Client Sample ID: STRC-0162-TB-004-0110
Lab ID: 1001149-55
Collection Date: 01/20/10 01:50 PM
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	01/28/10 05:31 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Methyl tert-butyl ether	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	01/28/10 05:31 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Naphthalene	ND	0.00500	0.0150		mg/L	1	01/28/10 05:31 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Styrene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	01/28/10 05:31 PM
Tetrachloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Toluene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Trichloroethene	ND	0.000600	0.00200		mg/L	1	01/28/10 05:31 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	01/28/10 05:31 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	01/28/10 05:31 PM
Surr: 1,2-Dichloroethane-d4	114	0	70 - 120		%REC	1	01/28/10 05:31 PM
Surr: 4-Bromofluorobenzene	108	0	75 - 120		%REC	1	01/28/10 05:31 PM
Surr: Dibromofluoromethane	105	0	85 - 115		%REC	1	01/28/10 05:31 PM
Surr: Toluene-d8	99.5	0	85 - 120		%REC	1	01/28/10 05:31 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
		S	Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100125A

Sample ID:	LCS-39175	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_100125A	Analysis Date:	01/25/10 12:24 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	99.0	10.0	125.0	0	79.2	50	114			
Surr: Isopropylbenzene	4.74		7.500		63.2	47	142			
Surr: Octacosane	4.84		7.500		64.5	25	162			

Sample ID:	MB-39175	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_100125A	Analysis Date:	01/25/10 12:41 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	4.35		7.500		58.0	47	142			
Surr: Octacosane	4.55		7.500		60.7	25	162			

Sample ID:	1001149-36C-MS	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_100125A	Analysis Date:	01/25/10 04:55 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1520	101	126.4	1275	197	50	114			S
Surr: Isopropylbenzene	4.27		7.587		56.2	47	142			
Surr: Octacosane	42.8		7.587		565	25	162			S

Sample ID:	1001149-36C-MSD	Batch ID:	39175	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100125A	Analysis Date:	01/25/10 05:03 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1580	99.4	124.3	1275	248	50	114	3.80	30	S
Surr: Isopropylbenzene	4.63		7.457		62.1	47	142	0	0	
Surr: Octacosane	53.9		7.457		723	25	162	0	0	S

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100125A

Sample ID:	ICV-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 11:59 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	549	10.0	500.0	0	110	85	115			
Surr: Isopropylbenzene	25.1		25.00		100	47	142			
Surr: Octacosane	22.2		25.00		88.7	25	162			

Sample ID:	CCV1-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 02:06 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	264	10.0	250.0	0	106	85	115			
Surr: Isopropylbenzene	12.3		12.50		98.6	47	142			
Surr: Octacosane	11.3		12.50		90.3	25	162			

Sample ID:	CCV2-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 04:32 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	270	10.0	250.0	0	108	85	115			
Surr: Isopropylbenzene	12.0		12.50		95.7	47	142			
Surr: Octacosane	12.7		12.50		102	25	162			

Sample ID:	CCV3-100125	Batch ID:	R47629	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100125A	Analysis Date:	01/25/10 05:37 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	219	10.0	250.0	0	87.5	85	115			
Surr: Isopropylbenzene	11.8		12.50		94.8	47	142			
Surr: Octacosane	10.6		12.50		84.6	25	162			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100126A

Sample ID:	LCS-39190	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	LCS	Run ID:	GC15_100126A	Analysis Date:	01/26/10 09:40 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.782	0.100	1.250	0	62.5	50	114			
Surr: Isopropylbenzene	0.0651		0.1500		43.4	60	140			S
Surr: Octacosane	0.102		0.1500		68.2	51	124			

Sample ID:	MB-39190	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MBLK	Run ID:	GC15_100126A	Analysis Date:	01/26/10 09:57 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	0.100								
Surr: Isopropylbenzene	0.0631		0.1500		42.1	60	140			S
Surr: Octacosane	0.100		0.1500		66.7	51	124			

Sample ID:	1001147-01DMS	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MS	Run ID:	GC15_100126A	Analysis Date:	01/26/10 10:56 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	0.949	0.100	1.250	0	75.9	50	114			
Surr: Isopropylbenzene	0.0601		0.1500		40.1	60	140			S
Surr: Octacosane	0.102		0.1500		68.0	51	124			

Sample ID:	1001147-01DMSD	Batch ID:	39190	TestNo:	M8015D	Units:	mg/L
SampType:	MSD	Run ID:	GC15_100126A	Analysis Date:	01/26/10 11:04 AM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	1.05	0.100	1.250	0	83.9	50	114	9.96	30	
Surr: Isopropylbenzene	0.0715		0.1500		47.7	60	140	0	0	S
Surr: Octacosane	0.111		0.1500		74.0	51	124	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100126A

Sample ID:	ICV-100126	Batch ID:	R47544		TestNo:		M8015D		Units:		mg/L
SampType:	ICV	Run ID:	GC15_100126A		Analysis Date:		01/26/10 09:10 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		454	0.100	500.0	0	90.8	85	115			
Surr: Isopropylbenzene		23.7		25.00		94.8	80	120			
Surr: Octacosane		21.8		25.00		87.1	80	120			

Sample ID:	CCV1-100126	Batch ID:	R47544		TestNo:		M8015D		Units:		mg/L
SampType:	CCV	Run ID:	GC15_100126A		Analysis Date:		01/26/10 11:21 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		248	0.100	250.0	0	99.2	85	115			
Surr: Isopropylbenzene		12.5		12.50		100	80	120			
Surr: Octacosane		10.7		12.50		85.2	80	120			

Sample ID:	CCV2-100126	Batch ID:	R47544		TestNo:		M8015D		Units:		mg/L
SampType:	CCV	Run ID:	GC15_100126A		Analysis Date:		01/26/10 12:55 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		257	0.100	250.0	0	103	85	115			
Surr: Isopropylbenzene		12.7		12.50		101	80	120			
Surr: Octacosane		10.8		12.50		86.1	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100201A

Sample ID:	LCS-39294	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg
SampType:	LCS	Run ID:	GC15_100201A	Analysis Date:	02/01/10 09:49 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	92.2	10.0	125.0	0	73.8	50	114			
Surr: Isopropylbenzene	4.67		7.500		62.3	47	142			
Surr: Octacosane	4.95		7.500		65.9	25	162			

Sample ID:	MB-39294	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC15_100201A	Analysis Date:	02/01/10 10:06 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	3.26		7.500		43.4	47	142			S
Surr: Octacosane	4.83		7.500		64.4	25	162			

Sample ID:	1001149-14C-MS	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:05 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	241	10.5	130.7	131.4	83.6	50	114			
Surr: Isopropylbenzene	5.11		7.840		65.2	47	142			
Surr: Octacosane	11.1		7.840		142	25	162			

Sample ID:	1001149-14C-MSD	Batch ID:	39294	TestNo:	M8015D	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:13 AM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	204	10.5	131.6	131.4	55.1	50	114	16.5	30	
Surr: Isopropylbenzene	4.78		7.894		60.5	47	142	0	0	
Surr: Octacosane	9.37		7.894		119	25	162	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_100201A

Sample ID:	ICV-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 09:21 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	524	10.0	500.0	0	105	85	115			
Surr: Isopropylbenzene	25.2		25.00		101	47	142			
Surr: Octacosane	21.8		25.00		87.4	25	162			

Sample ID:	CCV-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 11:30 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	272	10.0	250.0	0	109	85	115			
Surr: Isopropylbenzene	13.6		12.50		108	47	142			
Surr: Octacosane	12.2		12.50		97.7	25	162			

Sample ID:	CCV1-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 02:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	257	10.0	250.0	0	103	85	115			
Surr: Isopropylbenzene	12.6		12.50		101	47	142			
Surr: Octacosane	10.8		12.50		86.7	25	162			

Sample ID:	CCV2-100201	Batch ID:	R47643	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_100201A	Analysis Date:	02/01/10 04:41 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	257	10.0	250.0	0	103	85	115			
Surr: Isopropylbenzene	11.8		12.50		94.5	47	142			
Surr: Octacosane	12.5		12.50		99.8	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127B

Sample ID:	LCS-39240	Batch ID:	39240		TestNo:		M8015V		Units:		mg/Kg
SampType:	LCS	Run ID:	GC4_100127B		Analysis Date:		01/27/10 04:50 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.89	0.200	5.000	0	97.8	68	126			
Surr: Tetrachlorethene		0.373		0.4000		93.3	70	134			

Sample ID:	MB-39240	Batch ID:	39240		TestNo:		M8015V		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC4_100127B		Analysis Date:		01/27/10 05:13 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		ND	0.200								
Surr: Tetrachlorethene		0.385		0.4000		96.3	70	134			

Sample ID:	1001149-21BMS	Batch ID:	39240		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC4_100127B		Analysis Date:		01/28/10 02:29 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.09	0.199	4.966	0	82.4	68	126			
Surr: Tetrachlorethene		0.429		0.3973		108	70	134			

Sample ID:	1001149-21BMSD	Batch ID:	39240		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC4_100127B		Analysis Date:		01/28/10 02:52 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.31	0.195	4.881	0	88.4	68	126	5.26	30	
Surr: Tetrachlorethene		0.434		0.3905		111	70	134	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127B

Sample ID:	ICV-100127	Batch ID:	R47581		TestNo:		M8015V		Units:		mg/Kg
SampType:	ICV	Run ID:	GC4_100127B		Analysis Date:		01/27/10 04:26 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		9.68	0.200	10.00	0	96.8	80	120			
Surr: Tetrachlorethene		0.356		0.4000		89.0	70	134			

Sample ID:	CCV1-100127	Batch ID:	R47581		TestNo:		M8015V		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_100127B		Analysis Date:		01/27/10 09:52 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.75	0.200	5.000	0	95.1	80	120			
Surr: Tetrachlorethene		0.396		0.4000		99.1	70	134			

Sample ID:	CCV2-100127	Batch ID:	R47581		TestNo:		M8015V		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_100127B		Analysis Date:		01/28/10 03:15 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.90	0.200	5.000	0	98.0	80	120			
Surr: Tetrachlorethene		0.421		0.4000		105	70	134			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127C

Sample ID:	LCS-39242	Batch ID:	39242		TestNo:		M8015V		Units:		mg/Kg
SampType:	LCS	Run ID:	GC4_100127C		Analysis Date:		01/28/10 04:01 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.85	0.200	5.000	0	97.1	68	126			
Surr: Tetrachlorethene		0.407		0.4000		102	70	134			

Sample ID:	MB-39242	Batch ID:	39242		TestNo:		M8015V		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC4_100127C		Analysis Date:		01/28/10 04:48 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		ND	0.200								
Surr: Tetrachlorethene		0.425		0.4000		106	70	134			

Sample ID:	1001149-49BMS	Batch ID:	39242		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC4_100127C		Analysis Date:		01/28/10 12:59 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.86	0.202	5.045	0	96.4	68	126			
Surr: Tetrachlorethene		0.442		0.4036		109	70	134			

Sample ID:	1001149-49BMSD	Batch ID:	39242		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC4_100127C		Analysis Date:		01/28/10 01:23 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.41	0.196	4.902	0	89.9	68	126	9.87	30	
Surr: Tetrachlorethene		0.437		0.3922		112	70	134	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100127C

Sample ID:	ICV-100127	Batch ID:	R47584		TestNo:		M8015V		Units:		mg/Kg
SampType:	ICV	Run ID:	GC4_100127C		Analysis Date:		01/28/10 03:38 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		9.50	0.200	10.00	0	95.0	80	120			
Surr: Tetrachlorethene		0.365		0.4000		91.2	70	134			

Sample ID:	CCV1-100127	Batch ID:	R47584		TestNo:		M8015V		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_100127C		Analysis Date:		01/28/10 09:54 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.76	0.200	5.000	0	95.3	80	120			
Surr: Tetrachlorethene		0.407		0.4000		102	70	134			

Sample ID:	CCV2-100127	Batch ID:	R47584		TestNo:		M8015V		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_100127C		Analysis Date:		01/28/10 01:46 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.81	0.200	5.000	0	96.2	80	120			
Surr: Tetrachlorethene		0.388		0.4000		97.1	70	134			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100128A

Sample ID:	LCS-39265	Batch ID:	39265		TestNo:		M8015V		Units:		mg/L
SampType:	LCS	Run ID:	GC4_100128A		Analysis Date:		01/28/10 03:11 PM		Prep Date:		01/28/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		5.00	0.100	5.000	0	100	67	136			
Surr: Tetrachlorethene		0.429		0.4000		107	74	138			

Sample ID:	LCSD-39265	Batch ID:	39265		TestNo:		M8015V		Units:		mg/L
SampType:	LCSD	Run ID:	GC4_100128A		Analysis Date:		01/28/10 03:34 PM		Prep Date:		01/28/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.99	0.100	5.000	0	99.8	67	136	0.157	30	
Surr: Tetrachlorethene		0.432		0.4000		108	74	138	0	0	

Sample ID:	MB-39265	Batch ID:	39265		TestNo:		M8015V		Units:		mg/L
SampType:	MBLK	Run ID:	GC4_100128A		Analysis Date:		01/28/10 03:58 PM		Prep Date:		01/28/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		ND	0.100								
Surr: Tetrachlorethene		0.437		0.4000		109	74	138			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_100128A

Sample ID:	ICV-100128	Batch ID:	R47598		TestNo:		M8015V		Units:		mg/L
SampType:	ICV	Run ID:	GC4_100128A		Analysis Date:		01/28/10 02:48 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		9.96	0.100	10.00	0	99.6	80	120			
Surr: Tetrachlorethene		0.411		0.4000		103	74	138			

Sample ID:	CCV1-100128	Batch ID:	R47598		TestNo:		M8015V		Units:		mg/L
SampType:	CCV	Run ID:	GC4_100128A		Analysis Date:		01/28/10 06:15 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.85	0.100	5.000	0	96.9	80	120			
Surr: Tetrachlorethene		0.396		0.4000		99.0	74	138			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100126C

Sample ID:	MB-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	MBLK	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:27 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.000200								

Sample ID:	LCS-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	LCS	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:40 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00177	0.000200	0.00200	0	88.5	85	115			

Sample ID:	LCSD-39187	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	LCSD	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:42 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00181	0.000200	0.00200	0	90.5	85	115	2.23	15	

Sample ID:	1001149-53C SD	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	SD	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:10 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.00100	0	0				0	10	

Sample ID:	1001149-53C PDS	Batch ID:	39187		TestNo:		SW7470A		Units:		mg/L
SampType:	PDS	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:12 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00226	0.000200	0.00250	0	90.4	85	115			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100126C

Sample ID:	ICV-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	ICV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:19 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00381	0.000200	0.00400	0	95.2	90	110			

Sample ID:	CCV1-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	CCV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 10:49 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00206	0.000200	0.00200	0	103	90	110			

Sample ID:	CCV2-100126	Batch ID:	R47538		TestNo:		SW7470A		Units:		mg/L
SampType:	CCV	Run ID:	CETAC_HG_100126C		Analysis Date:		01/26/10 11:16 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00202	0.000200	0.00200	0	101	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	MB-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:28 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0500								

Sample ID:	LCS-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:39 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.176	0.0500	0.2000	0	88.0	85	115			

Sample ID:	LCSD-39209	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:41 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.176	0.0500	0.2000	0	88.0	85	115	0	25	

Sample ID:	1001149-14C SD	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:52 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.267	0	0				0	10	

Sample ID:	1001149-14C PDS	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:59 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.230	0.0534	0.2668	0	86.4	85	115			

Sample ID:	1001149-14C MS	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:03 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.179	0.0521	0.2086	0	86.0	80	120			

Sample ID:	1001149-14C MSD	Batch ID:	39209		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:26 AM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.173	0.0511	0.2044	0	84.5	80	120	3.79	25	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	MB-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg	
SampType:	MBLK	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:30 AM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		ND	0.0500									
Sample ID:	LCS-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg	
SampType:	LCS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:46 AM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0.188	0.0500	0.2000	0	94.0	85	115				
Sample ID:	LCSD-39211	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg	
SampType:	LCSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:48 AM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0.190	0.0500	0.2000	0	95.0	85	115	1.06	25		
Sample ID:	1001149-30C SD	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry	
SampType:	SD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:07 PM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0	0.243	0	0				0	10		
Sample ID:	1001149-30C PDS	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry	
SampType:	PDS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:14 PM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0.209	0.0486	0.2431	0	86.0	85	115				
Sample ID:	1001149-30C MS	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry	
SampType:	MS	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:20 PM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0.160	0.0479	0.1915	0	83.5	80	120				
Sample ID:	1001149-30C MSD	Batch ID:	39211		TestNo:		SW7471A		Units:		mg/Kg-dry	
SampType:	MSD	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:22 PM		Prep Date:		01/27/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit		Qual
Mercury		0.161	0.0480	0.1920	0	84.0	80	120	0.878	25		

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201A

Sample ID:	ICV-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 10:20 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00388	0.0500	0.004000	0	97.0	90	110			

Sample ID:	CCV1-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:22 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00188	0.0500	0.002000	0	94.0	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 11:46 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00186	0.0500	0.002000	0	93.0	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:16 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00186	0.0500	0.002000	0	93.0	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 12:41 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00190	0.0500	0.002000	0	95.0	90	110			

Sample ID:	CCV5-100201	Batch ID:	R47641		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201A		Analysis Date:		02/01/10 01:04 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00188	0.0500	0.002000	0	94.0	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201B

Sample ID:	MB-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:21 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0500								

Sample ID:	LCS-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:31 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.203	0.0500	0.2000	0	102	85	115			

Sample ID:	LCSD-39271	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:33 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.211	0.0500	0.2000	0	106	85	115	3.86	25	

Sample ID:	1001149-44C SD	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:23 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.237	0	0				0	10	

Sample ID:	1001149-44C PDS	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:31 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.255	0.0473	0.2367	0	108	85	115			

Sample ID:	1001149-44C MS	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:33 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.201	0.0469	0.1874	0	107	80	120			

Sample ID:	1001149-44C MSD	Batch ID:	39271		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:35 PM		Prep Date:		01/29/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.208	0.0473	0.1893	0	110	80	120	3.73	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_100201B

Sample ID:	ICV2-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 02:15 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00365	0.0500	0.004000	0	91.2	90	110			

Sample ID:	CCV1-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00204	0.0500	0.002000	0	102	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:25 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00204	0.0500	0.002000	0	102	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 03:52 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00205	0.0500	0.002000	0	103	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47644		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_100201B		Analysis Date:		02/01/10 04:06 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00206	0.0500	0.002000	0	103	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	MB-39207	Batch ID:	39207		TestNo:		SW6020		Units:		mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_100201B		Analysis Date:		02/01/10 04:36 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		ND	1.00								
Barium		ND	2.00								
Cadmium		ND	0.300								
Chromium		ND	2.00								
Lead		ND	0.300								
Selenium		ND	0.500								
Silver		ND	0.200								

Sample ID:	LCS-39207	Batch ID:	39207		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100201B		Analysis Date:		02/01/10 04:42 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		48.2	1.00	50.00	0	96.4	80	120			
Barium		47.9	2.00	50.00	0	95.9	80	120			
Cadmium		48.1	0.300	50.00	0	96.2	80	120			
Chromium		50.2	2.00	50.00	0	100	80	120			
Lead		48.4	0.300	50.00	0	96.9	80	120			
Selenium		49.8	0.500	50.00	0	99.7	80	120			
Silver		50.6	0.200	50.00	0	101	80	120			

Sample ID:	LCSD-39207	Batch ID:	39207		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100201B		Analysis Date:		02/01/10 04:48 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		48.0	1.00	50.00	0	96.0	80	120	0.364	20	
Barium		48.4	2.00	50.00	0	96.8	80	120	0.935	20	
Cadmium		48.2	0.300	50.00	0	96.3	80	120	0.156	20	
Chromium		50.1	2.00	50.00	0	100	80	120	0.049	20	
Lead		48.2	0.300	50.00	0	96.4	80	120	0.465	20	
Selenium		50.0	0.500	50.00	0	100	80	120	0.300	20	
Silver		51.2	0.200	50.00	0	103	80	120	1.33	20	

Sample ID:	1001149-14C SD	Batch ID:	39207		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100201B		Analysis Date:		02/01/10 05:53 PM		Prep Date:		01/27/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		2.65	5.13	0	2.699				1.68	10	
Barium		226	10.3	0	234.7				3.71	10	
Cadmium		0	1.54	0	0.3009				0	10	
Chromium		12.0	10.3	0	10.67				11.9	10	R
Lead		17.7	1.54	0	18.05				1.78	10	
Selenium		2.36	2.57	0	2.168				8.34	10	
Silver		0	1.03	0	0				0	10	

Sample ID:	1001149-14C PDS	Batch ID:	39207	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 05:58 PM	Prep Date:	01/27/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.4	1.03	51.31	2.699	91.0	75	125			
Barium	295	2.05	51.31	234.7	118	75	125			
Cadmium	48.4	0.308	51.31	0.3009	93.7	75	125			
Chromium	53.6	2.05	51.31	10.67	83.6	75	125			
Lead	68.9	0.308	51.31	18.05	99.2	75	125			
Selenium	49.6	0.513	51.31	2.168	92.5	75	125			
Silver	51.3	0.205	51.31	0	99.9	75	125			

Sample ID: 1001149-14C MS Batch ID: 39207 TestNo: SW6020 Units: mg/Kg-dry
SampType: MS Run ID: ICP-MS2_100201B Analysis Date: 02/01/10 06:04 PM Prep Date: 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.1	1.04	51.81	2.699	87.6	80	120			
Barium	288	2.07	51.81	234.7	103	80	120			
Cadmium	49.3	0.311	51.81	0.3009	94.6	80	120			
Chromium	53.6	2.07	51.81	10.67	82.8	80	120			
Lead	66.7	0.311	51.81	18.05	93.9	80	120			
Selenium	48.8	0.518	51.81	2.168	90.0	80	120			
Silver	51.3	0.207	51.81	0	98.9	80	120			

Sample ID: 1001149-14C MSD Batch ID: 39207 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_100201B Analysis Date: 02/01/10 06:10 PM Prep Date: 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.3	1.05	52.32	2.699	89.0	80	120	2.42	20	
Barium	289	2.09	52.32	234.7	104	80	120	0.254	20	
Cadmium	49.5	0.314	52.32	0.3009	94.1	80	120	0.396	20	
Chromium	54.6	2.09	52.32	10.67	83.9	80	120	1.79	20	
Lead	69.1	0.314	52.32	18.05	97.5	80	120	3.51	20	
Selenium	50.4	0.523	52.32	2.168	92.2	80	120	3.18	20	
Silver	51.6	0.209	52.32	0	98.7	80	120	0.723	20	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	MB-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:02 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								

Sample ID:	LCS-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:08 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.9	1.00	50.00	0	95.8	80	120			
Barium	47.6	2.00	50.00	0	95.1	80	120			
Cadmium	48.1	0.300	50.00	0	96.1	80	120			
Chromium	49.7	2.00	50.00	0	99.4	80	120			
Lead	48.3	0.300	50.00	0	96.6	80	120			
Selenium	49.4	0.500	50.00	0	98.8	80	120			
Silver	50.2	0.200	50.00	0	100	80	120			

Sample ID:	LCSD-39210	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 08:14 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	48.0	1.00	50.00	0	95.9	80	120	0.157	20	
Barium	47.6	2.00	50.00	0	95.1	80	120	0	20	
Cadmium	48.1	0.300	50.00	0	96.1	80	120	0	20	
Chromium	49.3	2.00	50.00	0	98.6	80	120	0.757	20	
Lead	48.2	0.300	50.00	0	96.3	80	120	0.259	20	
Selenium	49.6	0.500	50.00	0	99.2	80	120	0.454	20	
Silver	49.9	0.200	50.00	0	99.8	80	120	0.500	20	

Sample ID:	1001149-30C SD	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:25 PM	Prep Date:	01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0	4.88	0	1.617				0	10	
Barium	96.9	9.76	0	106.1				9.09	10	
Cadmium	0	1.46	0	0.1257				0	10	
Chromium	7.62	9.76	0	8.411				9.82	10	
Lead	3.78	1.46	0	4.222				11.0	10	R
Selenium	1.45	2.44	0	1.198				18.8	10	R
Silver	0	0.976	0	0				0	10	

Sample ID:	1001149-30C PDS	Batch ID:	39210	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:31 PM	Prep Date:	01/27/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	47.0	0.976	48.81	1.617	93.0	75	125			
Barium	150	1.95	48.81	106.1	90.8	75	125			
Cadmium	46.8	0.293	48.81	0.1257	95.6	75	125			
Chromium	52.3	1.95	48.81	8.411	90.0	75	125			
Lead	52.7	0.293	48.81	4.222	99.4	75	125			
Selenium	47.1	0.488	48.81	1.198	94.0	75	125			
Silver	49.9	0.195	48.81	0	102	75	125			

Sample ID: 1001149-30C MS Batch ID: 39210 TestNo: SW6020 Units: mg/Kg-dry
SampType: MS Run ID: ICP-MS2_100201B Analysis Date: 02/01/10 09:37 PM Prep Date: 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	46.3	0.986	49.28	1.617	90.6	80	120			
Barium	140	1.97	49.28	106.1	69.2	80	120			S
Cadmium	47.1	0.296	49.28	0.1257	95.3	80	120			
Chromium	51.9	1.97	49.28	8.411	88.2	80	120			
Lead	51.4	0.296	49.28	4.222	95.7	80	120			
Selenium	47.4	0.493	49.28	1.198	93.8	80	120			
Silver	49.4	0.197	49.28	0	100	80	120			

Sample ID: 1001149-30C MSD Batch ID: 39210 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_100201B Analysis Date: 02/01/10 09:43 PM Prep Date: 01/27/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	45.3	0.976	48.81	1.617	89.5	80	120	2.14	20	
Barium	145	1.95	48.81	106.1	79.4	80	120	3.24	20	S
Cadmium	46.3	0.293	48.81	0.1257	94.5	80	120	1.80	20	
Chromium	51.0	1.95	48.81	8.411	87.3	80	120	1.67	20	
Lead	50.8	0.293	48.81	4.222	95.4	80	120	1.20	20	
Selenium	46.2	0.488	48.81	1.198	92.1	80	120	2.74	20	
Silver	48.3	0.195	48.81	0	98.9	80	120	2.26	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Sample ID:	ICV1-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 12:12 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0984	0.00600	0.100	0	98.4	90	110			
Barium	0.0960	0.0100	0.100	0	96.0	90	110			
Cadmium	0.0974	0.00100	0.100	0	97.4	90	110			
Chromium	0.101	0.00600	0.100	0	101	90	110			
Lead	0.0968	0.00100	0.100	0	96.8	90	110			
Selenium	0.100	0.00600	0.100	0	100	90	110			
Silver	0.101	0.00200	0.100	0	101	90	110			

Sample ID:	CCV2-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 04:18 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.196	0.00600	0.200	0	98.1	90	110			
Barium	0.190	0.0100	0.200	0	94.9	90	110			
Cadmium	0.192	0.00100	0.200	0	96.1	90	110			
Chromium	0.200	0.00600	0.200	0	99.8	90	110			
Lead	0.192	0.00100	0.200	0	96.0	90	110			
Selenium	0.210	0.00600	0.200	0	105	90	110			
Silver	0.197	0.00200	0.200	0	98.6	90	110			

Sample ID:	CCV3-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 06:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.193	0.00600	0.200	0	96.5	90	110			
Barium	0.190	0.0100	0.200	0	95.0	90	110			
Cadmium	0.190	0.00100	0.200	0	95.2	90	110			
Chromium	0.198	0.00600	0.200	0	99.0	90	110			
Lead	0.190	0.00100	0.200	0	94.8	90	110			
Selenium	0.206	0.00600	0.200	0	103	90	110			
Silver	0.195	0.00200	0.200	0	97.7	90	110			

Sample ID:	CCV4-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 07:33 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.191	0.00600	0.200	0	95.6	90	110			
Barium	0.189	0.0100	0.200	0	94.6	90	110			
Cadmium	0.189	0.00100	0.200	0	94.6	90	110			
Chromium	0.199	0.00600	0.200	0	99.3	90	110			
Lead	0.189	0.00100	0.200	0	94.5	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			

Sample ID:	CCV5-100201	Batch ID:	R47651	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100201B	Analysis Date:	02/01/10 09:48 PM	Prep Date:	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100201B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.191	0.00600	0.200	0	95.4	90	110			
Barium	0.186	0.0100	0.200	0	93.0	90	110			
Cadmium	0.188	0.00100	0.200	0	94.2	90	110			
Chromium	0.196	0.00600	0.200	0	97.8	90	110			
Lead	0.187	0.00100	0.200	0	93.4	90	110			
Selenium	0.198	0.00600	0.200	0	98.8	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			

Sample ID: CCV6-100201 Batch ID: R47651 TestNo: SW6020 Units: mg/L
SampType: CCV Run ID: ICP-MS2_100201B Analysis Date: 02/01/10 11:05 PM Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.187	0.00600	0.200	0	93.6	90	110			
Barium	0.186	0.0100	0.200	0	93.2	90	110			
Cadmium	0.186	0.00100	0.200	0	92.8	90	110			
Chromium	0.195	0.00600	0.200	0	97.7	90	110			
Lead	0.188	0.00100	0.200	0	93.8	90	110			
Selenium	0.195	0.00600	0.200	0	97.6	90	110			
Silver	0.193	0.00200	0.200	0	96.6	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Sample ID:	LCS-39273	Batch ID:	39273	TestNo:		SW6020		Units:		mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_100202A	Analysis Date:		02/02/10 12:15 PM		Prep Date:		02/01/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		48.5	1.00	50.00	0	97.0	80	120			
Barium		49.6	2.00	50.00	0	99.2	80	120			
Cadmium		49.6	0.300	50.00	0	99.2	80	120			
Chromium		49.9	2.00	50.00	0	99.9	80	120			
Lead		49.6	0.300	50.00	0	99.3	80	120			
Selenium		48.8	0.500	50.00	0	97.5	80	120			
Silver		51.5	0.200	50.00	0	103	80	120			

Sample ID:	LCSD-39273	Batch ID:	39273	TestNo:		SW6020		Units:		mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_100202A	Analysis Date:		02/02/10 12:21 PM		Prep Date:		02/01/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		49.2	1.00	50.00	0	98.5	80	120	1.48	20	
Barium		50.3	2.00	50.00	0	101	80	120	1.35	20	
Cadmium		50.1	0.300	50.00	0	100	80	120	0.903	20	
Chromium		51.2	2.00	50.00	0	102	80	120	2.57	20	
Lead		49.9	0.300	50.00	0	99.8	80	120	0.502	20	
Selenium		49.6	0.500	50.00	0	99.1	80	120	1.63	20	
Silver		51.5	0.200	50.00	0	103	80	120	0.097	20	

Sample ID:	1001149-41C SD	Batch ID:	39273	TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_100202A	Analysis Date:		02/02/10 01:48 PM		Prep Date:		02/01/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0	5.03	0	1.813				0	10	
Barium		116	10.1	0	122.0				5.38	10	
Cadmium		0	1.51	0	0.1788				0	10	
Lead		4.60	1.51	0	4.792				4.10	10	
Selenium		0.758	2.52	0	1.334				55.1	10	R
Silver		0	1.01	0	0				0	10	

Sample ID:	1001149-41C PDS	Batch ID:	39273	TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS2_100202A	Analysis Date:		02/02/10 01:54 PM		Prep Date:		02/01/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		49.9	1.01	50.34	1.813	95.6	75	125			
Barium		178	2.01	50.34	122.0	112	75	125			
Cadmium		49.3	0.302	50.34	0.1788	97.6	75	125			
Lead		55.9	0.302	50.34	4.792	102	75	125			
Selenium		48.3	0.503	50.34	1.334	93.3	75	125			
Silver		50.4	0.201	50.34	0	100	75	125			

Sample ID:	1001149-41C MS	Batch ID:	39273	TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	MS	Run ID:	ICP-MS2_100202A	Analysis Date:		02/02/10 02:00 PM		Prep Date:		02/01/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		43.0	0.902	45.08	1.813	91.4	80	120			
Barium		175	1.80	45.08	122.0	117	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Cadmium	43.9	0.271	45.08	0.1788	96.9	80	120	
Lead	49.3	0.271	45.08	4.792	98.7	80	120	
Selenium	42.9	0.451	45.08	1.334	92.1	80	120	
Silver	43.8	0.180	45.08	0	97.1	80	120	

Sample ID: 1001149-41C MSD Batch ID: 39273 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 02:05 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	42.0	0.894	44.70	1.813	89.9	80	120	2.45	20	
Barium	174	1.79	44.70	122.0	117	80	120	0.184	20	
Cadmium	42.9	0.268	44.70	0.1788	95.6	80	120	2.16	20	
Lead	48.3	0.268	44.70	4.792	97.3	80	120	2.06	20	
Selenium	41.6	0.447	44.70	1.334	90.1	80	120	2.99	20	
Silver	43.1	0.179	44.70	0	96.5	80	120	1.54	20	

Sample ID: MB-39273 Batch ID: 39273 TestNo: SW6020 Units: mg/Kg
SampType: MBLK Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 07:16 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								

Sample ID: 1001149-41C SD Batch ID: 39273 TestNo: SW6020 Units: mg/Kg-dry
SampType: SD Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 08:20 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	7.62	10.1	0	7.425				2.66	10	

Sample ID: 1001149-41C PDS Batch ID: 39273 TestNo: SW6020 Units: mg/Kg-dry
SampType: PDS Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 08:26 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	55.1	2.01	50.34	7.425	94.8	75	125			

Sample ID: 1001149-41C MS Batch ID: 39273 TestNo: SW6020 Units: mg/Kg-dry
SampType: MS Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 08:32 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	46.3	1.80	45.08	7.425	86.3	80	120			

Sample ID: 1001149-41C MSD Batch ID: 39273 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_100202A Analysis Date: 02/02/10 08:38 PM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	46.6	1.79	44.70	7.425	87.6	80	120	0.583	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Sample ID:	ICV1-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 11:57 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0975	0.00600	0.100	0	97.5	90	110			
Barium	0.0948	0.0100	0.100	0	94.8	90	110			
Cadmium	0.0954	0.00100	0.100	0	95.4	90	110			
Chromium	0.0978	0.00600	0.100	0	97.8	90	110			
Lead	0.0964	0.00100	0.100	0	96.4	90	110			
Selenium	0.0973	0.00600	0.100	0	97.3	90	110			
Silver	0.0994	0.00200	0.100	0	99.4	90	110			

Sample ID:	CCV1-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 02:11 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	99.2	90	110			
Barium	0.192	0.0100	0.200	0	96.0	90	110			
Cadmium	0.193	0.00100	0.200	0	96.7	90	110			
Chromium	0.203	0.00600	0.200	0	101	90	110			
Lead	0.193	0.00100	0.200	0	96.6	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.196	0.00200	0.200	0	97.8	90	110			

Sample ID:	CCV2-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	98.8	90	110			
Barium	0.187	0.0100	0.200	0	93.6	90	110			
Cadmium	0.190	0.00100	0.200	0	95.2	90	110			
Chromium	0.197	0.00600	0.200	0	98.5	90	110			
Lead	0.192	0.00100	0.200	0	96.0	90	110			
Selenium	0.203	0.00600	0.200	0	102	90	110			
Silver	0.191	0.00200	0.200	0	95.5	90	110			

Sample ID:	ICV2-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 06:47 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0971	0.00600	0.100	0	97.1	90	110			
Barium	0.0910	0.0100	0.100	0	91.0	90	110			
Cadmium	0.0940	0.00100	0.100	0	94.0	90	110			
Chromium	0.0974	0.00600	0.100	0	97.4	90	110			
Lead	0.0938	0.00100	0.100	0	93.8	90	110			
Selenium	0.0980	0.00600	0.100	0	98.0	90	110			
Silver	0.0974	0.00200	0.100	0	97.4	90	110			

Sample ID:	CCV4-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 08:44 PM	Prep Date:	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_100202A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.197	0.00600	0.200	0	98.6	90	110			
Barium	0.189	0.0100	0.200	0	94.6	90	110			
Cadmium	0.196	0.00100	0.200	0	98.2	90	110			
Chromium	0.204	0.00600	0.200	0	102	90	110			
Lead	0.193	0.00100	0.200	0	96.6	90	110			
Selenium	0.204	0.00600	0.200	0	102	90	110			
Silver	0.200	0.00200	0.200	0	100	90	110			

Sample ID:	CCV5-100202	Batch ID:	R47680	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_100202A	Analysis Date:	02/02/10 09:19 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium	0.198	0.00600	0.200	0	98.8	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Sample ID:	MB-39165	Batch ID:	39165		TestNo:		SW6020		Units:		mg/L
SampType:	MBLK	Run ID:	ICP-MS3_100126A		Analysis Date:		01/26/10 11:16 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		ND	0.00600								
Barium		ND	0.0100								
Cadmium		ND	0.00100								
Chromium		ND	0.00600								
Lead		ND	0.00100								
Selenium		ND	0.00600								
Silver		ND	0.00200								

Sample ID:	LCS-39165	Batch ID:	39165		TestNo:		SW6020		Units:		mg/L
SampType:	LCS	Run ID:	ICP-MS3_100126A		Analysis Date:		01/26/10 11:22 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.200	0.00600	0.200	0	99.8	80	120			
Barium		0.194	0.0100	0.200	0	96.8	80	120			
Cadmium		0.195	0.00100	0.200	0	97.4	80	120			
Chromium		0.194	0.00600	0.200	0	97.0	80	120			
Lead		0.198	0.00100	0.200	0	99.1	80	120			
Selenium		0.206	0.00600	0.200	0	103	80	120			
Silver		0.199	0.00200	0.200	0	99.7	80	120			

Sample ID:	LCSD-39165	Batch ID:	39165		TestNo:		SW6020		Units:		mg/L
SampType:	LCSD	Run ID:	ICP-MS3_100126A		Analysis Date:		01/26/10 11:27 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.197	0.00600	0.200	0	98.4	80	120	1.31	15	
Barium		0.192	0.0100	0.200	0	95.8	80	120	0.935	15	
Cadmium		0.194	0.00100	0.200	0	97.2	80	120	0.154	15	
Chromium		0.191	0.00600	0.200	0	95.4	80	120	1.56	15	
Lead		0.197	0.00100	0.200	0	98.6	80	120	0.506	15	
Selenium		0.207	0.00600	0.200	0	103	80	120	0.533	15	
Silver		0.199	0.00200	0.200	0	99.4	80	120	0.301	15	

Sample ID:	1001140-02A SD	Batch ID:	39165		TestNo:		SW6020		Units:		mg/L
SampType:	SD	Run ID:	ICP-MS3_100126A		Analysis Date:		01/26/10 11:55 AM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0	0.0300	0	0.00891				0	10	
Barium		0.0496	0.0500	0	0.0503				1.55	10	
Cadmium		0	0.00500	0	0				0	10	
Chromium		0	0.0300	0	0				0	10	
Lead		0	0.00500	0	0.000436				0	10	
Selenium		0.0123	0.0300	0	0.0119				3.34	10	
Silver		0	0.0100	0	0				0	10	

Sample ID:	1001140-02A PDS	Batch ID:	39165	TestNo:	SW6020	Units:	mg/L
SampType:	PDS	Run ID:	ICP-MS3_100126A	Analysis Date:	01/26/10 12:00 PM	Prep Date:	01/25/10

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.222	0.00600	0.200	0.00891	107	75	125			
Barium	0.266	0.0100	0.200	0.0503	108	75	125			
Cadmium	0.200	0.00100	0.200	0	100	75	125			
Chromium	0.206	0.00600	0.200	0	103	75	125			
Lead	0.225	0.00100	0.200	0.000436	112	75	125			
Selenium	0.208	0.00600	0.200	0.0119	98.0	75	125			
Silver	0.208	0.00200	0.200	0	104	75	125			

Sample ID: 1001140-02A MS Batch ID: 39165 TestNo: SW6020 Units: mg/L
SampType: MS Run ID: ICP-MS3_100126A Analysis Date: 01/26/10 12:06 PM Prep Date: 01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.205	0.00600	0.200	0.00891	97.8	80	120			
Barium	0.244	0.0100	0.200	0.0503	96.7	80	120			
Cadmium	0.183	0.00100	0.200	0	91.6	80	120			
Chromium	0.189	0.00600	0.200	0	94.6	80	120			
Lead	0.202	0.00100	0.200	0.000436	101	80	120			
Selenium	0.200	0.00600	0.200	0.0119	94.0	80	120			
Silver	0.187	0.00200	0.200	0	93.6	80	120			

Sample ID: 1001140-02A MSD Batch ID: 39165 TestNo: SW6020 Units: mg/L
SampType: MSD Run ID: ICP-MS3_100126A Analysis Date: 01/26/10 12:11 PM Prep Date: 01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.207	0.00600	0.200	0.00891	99.1	80	120	1.26	15	
Barium	0.246	0.0100	0.200	0.0503	97.8	80	120	0.939	15	
Cadmium	0.183	0.00100	0.200	0	91.6	80	120	0	15	
Chromium	0.185	0.00600	0.200	0	92.6	80	120	2.08	15	
Lead	0.203	0.00100	0.200	0.000436	101	80	120	0.594	15	
Selenium	0.195	0.00600	0.200	0.0119	91.4	80	120	2.58	15	
Silver	0.189	0.00200	0.200	0	94.3	80	120	0.799	15	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100126A

Sample ID:	ICV1-100126	Batch ID:	R47547	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS3_100126A	Analysis Date:	01/26/10 10:54 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.102	0.00600	0.100	0	102	90	110			
Barium	0.0973	0.0100	0.100	0	97.3	90	110			
Cadmium	0.0975	0.00100	0.100	0	97.5	90	110			
Chromium	0.0971	0.00600	0.100	0	97.1	90	110			
Lead	0.100	0.00100	0.100	0	100	90	110			
Selenium	0.105	0.00600	0.100	0	105	90	110			
Silver	0.102	0.00200	0.100	0	102	90	110			

Sample ID:	CCV1-100126	Batch ID:	R47547	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_100126A	Analysis Date:	01/26/10 12:16 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.201	0.00600	0.200	0	100	90	110			
Barium	0.196	0.0100	0.200	0	98.0	90	110			
Cadmium	0.197	0.00100	0.200	0	98.6	90	110			
Chromium	0.191	0.00600	0.200	0	95.6	90	110			
Lead	0.199	0.00100	0.200	0	99.4	90	110			
Selenium	0.210	0.00600	0.200	0	105	90	110			
Silver	0.201	0.00200	0.200	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_100203A

Sample ID:	ICV1-100203	Batch ID:	R47692		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_100203A		Analysis Date:		02/03/10 11:05 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium		0.0968	0.00600	0.100	0	96.8	90	110			

Sample ID:	CCV1-100203	Batch ID:	R47692		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_100203A		Analysis Date:		02/03/10 12:39 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chromium		0.188	0.00600	0.200	0	93.8	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Sample ID:	LCS-39319	Batch ID:	39319	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS4_100202A	Analysis Date:	02/03/10 12:27 AM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	2.40	0.133	2.640	0	90.9	35	125			
1,2,4-Trichlorobenzene	1.26	0.133	1.340	0	94.0	45	110			
1,2-Dichlorobenzene	1.01	0.133	1.340	0	75.6	45	100			
1,2-Diphenylhydrazine	1.31	0.133	1.340	0	97.5	38	125			
1,3-Dichlorobenzene	1.11	0.133	1.340	0	83.1	40	100			
1,4-Dichlorobenzene	1.24	0.133	1.340	0	92.5	35	105			
1-Chloronaphthalene	1.29	0.133	1.340	0	96.0	40	125			N
1-Methylnaphthalene	1.20	0.133	1.340	0	89.6	45	105			N
1-Naphthylamine	0.747	0.133	1.340	0	55.7	40	125			
2,4,5-Trichlorophenol	1.37	0.133	1.340	0	102	50	110			
2,4,6-Trichlorophenol	1.37	0.133	1.340	0	102	45	110			
2,4-Dichlorophenol	1.23	0.133	1.340	0	91.5	45	110			
2,4-Dimethylphenol	1.20	0.133	1.340	0	89.6	30	105			
2,4-Dinitrophenol	1.43	0.660	1.340	0	107	15	130			
2,4-Dinitrotoluene	1.29	0.133	1.340	0	96.5	50	115			
2,6-Dichlorophenol	1.23	0.133	1.340	0	91.5	35	125			
2,6-Dinitrotoluene	1.31	0.133	1.340	0	97.5	50	110			
2-Chloronaphthalene	1.31	0.133	1.340	0	98.0	45	105			
2-Chlorophenol	0.953	0.133	1.340	0	71.1	45	105			
2-Methylnaphthalene	1.20	0.133	1.340	0	89.6	45	105			
2-Methylphenol	0.893	0.133	1.340	0	66.7	40	105			
2-Naphthylamine	0.887	0.133	1.340	0	66.2	40	125			
2-Nitroaniline	1.39	0.133	1.340	0	103	45	120			
2-Nitrophenol	1.29	0.133	1.340	0	96.5	40	110			
2-Picoline	0.733	0.133	1.340	0	54.7	40	125			
3,3′-Dichlorobenzidine	0.993	0.133	1.340	0	74.1	25	128			
3-Methylcholanthrene	1.42	0.133	1.340	0	106	40	125			
3-Nitroaniline	1.35	0.133	1.340	0	100	25	110			
4,6-Dinitro-2-methylphenol	1.36	0.330	1.340	0	101	30	135			
4-Aminobiphenyl	0.747	0.133	1.340	0	55.7	40	125			
4-Bromophenyl phenyl ether	1.34	0.133	1.340	0	100	45	115			
4-Chloro-3-methylphenol	1.21	0.133	1.340	0	90.5	45	115			
4-Chloroaniline	0.887	0.330	1.340	0	66.2	25	125			
4-Chlorophenyl phenyl ether	1.31	0.133	1.340	0	98.0	45	110			
4-Methylphenol	0.880	0.133	1.340	0	65.7	40	105			
4-Nitroaniline	1.15	0.133	1.340	0	85.6	35	115			
4-Nitrophenol	1.37	0.660	1.340	0	102	15	140			
7,12-Dimethylbenz(a)anthracene	1.36	0.133	1.340	0	101	40	125			
Acenaphthene	1.31	0.133	1.340	0	98.0	45	110			
Acenaphthylene	1.33	0.133	1.340	0	99.5	45	105			
Acetophenone	0.913	0.133	1.340	0	68.2	40	125			
Aniline	0.540	0.133	1.340	0	40.3	40	125			
Anthracene	1.33	0.133	1.340	0	99.5	55	105			
Benzidine	0.493	0.660	1.340	0	36.8	20	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Benzo[a]anthracene	1.33	0.133	1.340	0	99.5	50	110	
Benzo[a]pyrene	1.38	0.133	1.340	0	103	50	110	
Benzo[b]fluoranthene	1.37	0.133	1.340	0	102	45	115	
Benzo[g,h,i]perylene	1.46	0.133	1.340	0	109	40	125	
Benzo[k]fluoranthene	1.45	0.133	1.340	0	108	45	125	
Benzoic acid	1.53	0.660	1.340	0	114	25	125	
Benzyl alcohol	0.853	0.330	1.340	0	63.7	20	125	
Biphenyl	1.31	0.133	1.340	0	97.5	60	140	
Bis(2-chloroethoxy)methane	1.25	0.133	1.340	0	93.0	45	110	
Bis(2-chloroethyl)ether	0.940	0.133	1.340	0	70.1	40	105	
Bis(2-chloroisopropyl)ether	0.880	0.133	1.340	0	65.7	20	115	
Bis(2-ethylhexyl)phthalate	1.43	0.133	1.340	0	106	45	125	
Butyl benzyl phthalate	1.40	0.330	1.340	0	104	50	125	
Carbazole	1.37	0.133	1.340	0	102	45	115	
Chrysene	1.34	0.133	1.340	0	100	55	110	
Di-n-butyl phthalate	1.41	0.330	1.340	0	105	55	110	
Di-n-octyl phthalate	1.37	0.330	1.340	0	102	40	130	
Dibenz(a,j)acridine	1.43	0.133	1.340	0	106	40	125	N
Dibenz[a,h]anthracene	1.47	0.133	1.340	0	109	40	125	
Dibenzofuran	1.29	0.133	1.340	0	96.0	50	105	
Diethyl phthalate	1.31	0.330	1.340	0	98.0	50	115	
Dimethyl phthalate	1.29	0.330	1.340	0	96.0	50	110	
Dimethylphenethylamine	0.320	0.133	1.340	0	23.9	40	125	S
Diphenylamine	1.33	0.133	1.340	0	99.5	40	125	
Ethyl methanesulfonate	0.967	0.133	1.340	0	72.1	40	125	
Fluoranthene	1.37	0.133	1.340	0	102	55	115	
Fluorene	1.32	0.133	1.340	0	98.5	50	110	
Hexachlorobenzene	1.35	0.133	1.340	0	101	45	120	
Hexachlorobutadiene	1.25	0.133	1.340	0	93.5	40	115	
Hexachlorocyclopentadiene	1.22	0.330	1.340	0	91.0	34	125	
Hexachloroethane	1.03	0.133	1.340	0	76.6	35	110	
Indeno[1,2,3-cd]pyrene	1.46	0.133	1.340	0	109	40	120	
Isophorone	1.18	0.133	1.340	0	88.1	45	110	
Methyl methanesulfonate	0.967	0.133	1.340	0	72.1	40	125	
N-Nitrosodi-n-propylamine	0.927	0.133	1.340	0	69.2	40	115	
N-Nitrosodimethylamine	0.813	0.133	1.340	0	60.7	20	115	
N-Nitrosodiphenylamine	1.33	0.133	1.340	0	99.5	50	115	
N-Nitrosopiperidine	1.22	0.133	1.340	0	91.0	40	125	
Naphthalene	1.26	0.133	1.340	0	94.0	40	105	
Nitrobenzene	1.29	0.133	1.340	0	96.0	40	115	
p-Dimethylaminoazobenzene	1.34	0.133	1.340	0	100	40	125	
Pentachlorobenzene	2.66	0.133	2.640	0	101	35	125	
Pentachloronitrobenzene	1.31	0.133	1.340	0	98.0	40	125	
Pentachlorophenol	1.39	0.133	1.340	0	104	25	120	
Phenacetin	1.47	0.133	1.340	0	109	40	125	
Phenanthrene	1.32	0.133	1.340	0	98.5	50	110	
Phenol	0.887	0.133	1.340	0	66.2	40	100	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Pronamide	1.24	0.133	1.340	0	92.5	40	125
Pyrene	1.35	0.133	1.340	0	100	45	125
Pyridine	0.627	0.660	1.340	0	46.8	20	125
Surr: 2,4,6-Tribromophenol	2.47		2.680		92.0	45	138
Surr: 2-Fluorobiphenyl	2.29		2.680		85.6	37	125
Surr: 2-Fluorophenol	1.62		2.680		60.4	60	135
Surr: 4-Terphenyl-d14	2.44		2.680		91.0	60	129
Surr: Nitrobenzene-d5	2.23		2.680		83.3	45	125
Surr: Phenol-d6	1.52		2.680		56.7	40	125

Sample ID: 1001149-46C-MS Batch ID: 39319 TestNo: SW8270C Units: mg/Kg-dry
SampType: MS Run ID: GCMS4_100202A Analysis Date: 02/03/10 01:17 AM Prep Date: 02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	2.51	0.141	2.808	0	89.4	35	125			
1,2,4-Trichlorobenzene	1.30	0.141	1.425	0	91.5	45	110			
1,2-Dichlorobenzene	1.06	0.141	1.425	0	74.6	45	100			
1,2-Diphenylhydrazine	1.38	0.141	1.425	0	97.0	38	125			
1,3-Dichlorobenzene	1.13	0.141	1.425	0	79.6	40	100			
1,4-Dichlorobenzene	1.24	0.141	1.425	0	87.1	35	105			
1-Chloronaphthalene	1.36	0.141	1.425	0	95.5	40	125			N
1-Methylnaphthalene	1.27	0.141	1.425	0	89.1	45	105			N
1-Naphthylamine	1.05	0.141	1.425	0	73.6	40	125			
2,4,5-Trichlorophenol	1.49	0.141	1.425	0	104	50	110			
2,4,6-Trichlorophenol	1.48	0.141	1.425	0	104	45	110			
2,4-Dichlorophenol	1.38	0.141	1.425	0	97.0	45	110			
2,4-Dimethylphenol	1.35	0.141	1.425	0	94.5	30	105			
2,4-Dinitrophenol	0.248	0.702	1.425	0	17.4	15	130			
2,4-Dinitrotoluene	1.34	0.141	1.425	0	94.0	50	115			
2,6-Dichlorophenol	1.37	0.141	1.425	0	96.0	35	125			
2,6-Dinitrotoluene	1.40	0.141	1.425	0	98.0	50	110			
2-Chloronaphthalene	1.39	0.141	1.425	0	97.5	45	105			
2-Chlorophenol	0.986	0.141	1.425	0	69.2	45	105			
2-Methylnaphthalene	1.31	0.141	1.425	0	92.0	45	105			
2-Methylphenol	0.971	0.141	1.425	0	68.2	40	105			
2-Naphthylamine	0.355	0.141	1.425	0	24.9	40	125			S
2-Nitroaniline	1.48	0.141	1.425	0	104	45	120			
2-Nitrophenol	1.23	0.141	1.425	0	86.1	40	110			
2-Picoline	0.298	0.141	1.425	0	20.9	40	125			S
3,3′-Dichlorobenzidine	1.18	0.141	1.425	0	83.1	25	128			
3-Methylcholanthrene	1.43	0.141	1.425	0	100	40	125			
3-Nitroaniline	1.43	0.141	1.425	0	100	25	110			
4,6-Dinitro-2-methylphenol	0.581	0.351	1.425	0	40.8	30	135			
4-Aminobiphenyl	0.879	0.141	1.425	0	61.7	40	125			
4-Bromophenyl phenyl ether	1.44	0.141	1.425	0	101	45	115			
4-Chloro-3-methylphenol	1.38	0.141	1.425	0	97.0	45	115			
4-Chloroaniline	1.13	0.351	1.425	0	79.6	25	125			
4-Chlorophenyl phenyl ether	1.44	0.141	1.425	0	101	45	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

4-Methylphenol	0.964	0.141	1.425	0	67.7	40	105	
4-Nitroaniline	1.35	0.141	1.425	0	95.0	35	115	
4-Nitrophenol	1.41	0.702	1.425	0	99.0	15	140	
7,12-Dimethylbenz(a)anthracene	1.56	0.141	1.425	0	109	40	125	
Acenaphthene	1.40	0.141	1.425	0	98.5	45	110	
Acenaphthylene	1.45	0.141	1.425	0	101	45	105	
Acetophenone	0.957	0.141	1.425	0	67.2	40	125	
Aniline	0.652	0.141	1.425	0	45.8	40	125	
Anthracene	1.45	0.141	1.425	0	102	55	105	
Benzidine	0	0.702	1.425	0	0	20	125	S
Benzo[a]anthracene	1.43	0.141	1.425	0	100	50	110	
Benzo[a]pyrene	1.52	0.141	1.425	0	106	50	110	
Benzo[b]fluoranthene	1.61	0.141	1.425	0	113	45	115	
Benzo[g,h,i]perylene	1.58	0.141	1.425	0	111	40	125	
Benzo[k]fluoranthene	1.55	0.141	1.425	0	108	45	125	
Benzoic acid	0.603	0.702	1.425	0	42.3	25	125	
Benzyl alcohol	0.964	0.351	1.425	0	67.7	20	125	
Biphenyl	1.40	0.141	1.425	0	98.0	60	140	
Bis(2-chloroethoxy)methane	1.30	0.141	1.425	0	91.5	45	110	
Bis(2-chloroethyl)ether	0.957	0.141	1.425	0	67.2	40	105	
Bis(2-chloroisopropyl)ether	0.936	0.141	1.425	0	65.7	20	115	
Bis(2-ethylhexyl)phthalate	1.33	0.141	1.425	0	93.5	45	125	
Butyl benzyl phthalate	1.22	0.351	1.425	0	85.6	50	125	
Carbazole	1.48	0.141	1.425	0	104	45	115	
Chrysene	1.45	0.141	1.425	0	102	55	110	
Di-n-butyl phthalate	1.48	0.351	1.425	0	104	55	110	
Di-n-octyl phthalate	1.26	0.351	1.425	0	88.6	40	130	
Dibenz(a,j)acridine	0.319	0.141	1.425	0	22.4	40	125	SN
Dibenz[a,h]anthracene	1.54	0.141	1.425	0	108	40	125	
Dibenzofuran	1.42	0.141	1.425	0	99.5	50	105	
Diethyl phthalate	1.43	0.351	1.425	0	100	50	115	
Dimethyl phthalate	1.43	0.351	1.425	0	100	50	110	
Dimethylphenethylamine	0.0496	0.141	1.425	0	3.48	40	125	S
Diphenylamine	1.42	0.141	1.425	0	99.5	40	125	
Ethyl methanesulfonate	1.00	0.141	1.425	0	70.1	40	125	
Fluoranthene	1.47	0.141	1.425	0	103	55	115	
Fluorene	1.41	0.141	1.425	0	99.0	50	110	
Hexachlorobenzene	1.44	0.141	1.425	0	101	45	120	
Hexachlorobutadiene	1.27	0.141	1.425	0	89.1	40	115	
Hexachlorocyclopentadiene	1.28	0.351	1.425	0	90.0	34	125	
Hexachloroethane	1.06	0.141	1.425	0	74.6	35	110	
Indeno[1,2,3-cd]pyrene	1.59	0.141	1.425	0	111	40	120	
Isophorone	1.33	0.141	1.425	0	93.0	45	110	
Methyl methanesulfonate	0.993	0.141	1.425	0	69.7	40	125	
N-Nitrosodi-n-propylamine	0.971	0.141	1.425	0	68.2	40	115	
N-Nitrosodimethylamine	0.929	0.141	1.425	0	65.2	20	115	
N-Nitrosodiphenylamine	1.42	0.141	1.425	0	99.5	50	115	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

N-Nitrosopiperidine	1.35	0.141	1.425	0	94.5	40	125	
Naphthalene	1.32	0.141	1.425	0	92.5	40	105	
Nitrobenzene	1.35	0.141	1.425	0	95.0	40	115	
p-Dimethylaminoazobenzene	1.33	0.141	1.425	0	93.5	40	125	
Pentachlorobenzene	2.80	0.141	2.808	0	99.7	35	125	
Pentachloronitrobenzene	1.38	0.141	1.425	0	97.0	40	125	
Pentachlorophenol	1.40	0.141	1.425	0	98.5	25	120	
Phenacetin	1.46	0.141	1.425	0	102	40	125	
Phenanthrene	1.43	0.141	1.425	0	100	50	110	
Phenol	0.950	0.141	1.425	0	66.7	40	100	
Pronamide	1.44	0.141	1.425	0	101	40	125	
Pyrene	1.44	0.141	1.425	0	101	45	125	
Pyridine	0.461	0.702	1.425	0	32.3	20	125	
Surr: 2,4,6-Tribromophenol	2.59		2.850		90.8	45	138	
Surr: 2-Fluorobiphenyl	2.35		2.850		82.6	37	125	
Surr: 2-Fluorophenol	1.64		2.850		57.5	60	135	S
Surr: 4-Terphenyl-d14	2.50		2.850		87.6	60	129	
Surr: Nitrobenzene-d5	2.30		2.850		80.8	45	125	
Surr: Phenol-d6	1.57		2.850		55.2	40	125	

Sample ID:	1001149-46C-MSD	Batch ID:	39319	TestNo:	SW8270C	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS4_100202A	Analysis Date:	02/03/10 01:43 AM	Prep Date:	02/01/10			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene		2.43	0.142	2.826	0	86.1	35	125	3.09	30	
1,2,4-Trichlorobenzene		1.25	0.142	1.434	0	87.1	45	110	4.36	30	
1,2-Dichlorobenzene		1.01	0.142	1.434	0	70.6	45	100	4.83	30	
1,2-Diphenylhydrazine		1.34	0.142	1.434	0	93.5	38	125	3.01	30	
1,3-Dichlorobenzene		1.09	0.142	1.434	0	76.1	40	100	3.82	30	
1,4-Dichlorobenzene		1.23	0.142	1.434	0	85.6	35	105	1.08	30	
1-Chloronaphthalene		1.31	0.142	1.434	0	91.0	40	125	4.15	30	N
1-Methylnaphthalene		1.22	0.142	1.434	0	85.1	45	105	3.92	30	N
1-Naphthylamine		0.992	0.142	1.434	0	69.2	40	125	5.62	30	
2,4,5-Trichlorophenol		1.41	0.142	1.434	0	98.5	50	110	5.23	30	
2,4,6-Trichlorophenol		1.41	0.142	1.434	0	98.0	45	110	5.26	30	
2,4-Dichlorophenol		1.28	0.142	1.434	0	89.6	45	110	7.35	30	
2,4-Dimethylphenol		1.23	0.142	1.434	0	86.1	30	105	8.72	30	
2,4-Dinitrophenol		0.321	0.707	1.434	0	22.4	15	130	25.6	30	
2,4-Dinitrotoluene		1.29	0.142	1.434	0	90.0	50	115	3.68	30	
2,6-Dichlorophenol		1.29	0.142	1.434	0	90.0	35	125	5.77	30	
2,6-Dinitrotoluene		1.32	0.142	1.434	0	92.0	50	110	5.63	30	
2-Chloronaphthalene		1.32	0.142	1.434	0	92.0	45	105	5.13	30	
2-Chlorophenol		0.978	0.142	1.434	0	68.2	45	105	0.800	30	
2-Methylnaphthalene		1.23	0.142	1.434	0	85.6	45	105	6.63	30	
2-Methylphenol		0.928	0.142	1.434	0	64.7	40	105	4.59	30	
2-Naphthylamine		0.328	0.142	1.434	0	22.9	40	125	7.69	30	S
2-Nitroaniline		1.41	0.142	1.434	0	98.0	45	120	5.26	30	
2-Nitrophenol		1.20	0.142	1.434	0	83.6	40	110	2.28	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

2-Picoline	0.335	0.142	1.434	0	23.4	40	125	11.9	30	S
3,3'-Dichlorobenzidine	1.17	0.142	1.434	0	81.6	25	128	1.16	30	
3-Methylcholanthrene	1.39	0.142	1.434	0	97.0	40	125	2.88	30	
3-Nitroaniline	1.36	0.142	1.434	0	95.0	25	110	4.95	30	
4,6-Dinitro-2-methylphenol	0.664	0.353	1.434	0	46.3	30	135	13.2	30	
4-Aminobiphenyl	0.849	0.142	1.434	0	59.2	40	125	3.47	30	
4-Bromophenyl phenyl ether	1.37	0.142	1.434	0	95.5	45	115	4.92	30	
4-Chloro-3-methylphenol	1.27	0.142	1.434	0	88.6	45	115	8.47	30	
4-Chloroaniline	1.07	0.353	1.434	0	74.6	25	125	5.80	30	
4-Chlorophenyl phenyl ether	1.35	0.142	1.434	0	94.0	45	110	6.49	30	
4-Methylphenol	0.928	0.142	1.434	0	64.7	40	105	3.86	30	
4-Nitroaniline	1.28	0.142	1.434	0	89.6	35	115	5.28	30	
4-Nitrophenol	1.36	0.707	1.434	0	95.0	15	140	3.45	30	
7,12-Dimethylbenz(a)anthracene	1.48	0.142	1.434	0	103	40	125	4.96	30	
Acenaphthene	1.33	0.142	1.434	0	92.5	45	110	5.60	30	
Acenaphthylene	1.36	0.142	1.434	0	94.5	45	105	6.46	30	
Acetophenone	0.928	0.142	1.434	0	64.7	40	125	3.12	30	
Aniline	0.621	0.142	1.434	0	43.3	40	125	4.94	30	
Anthracene	1.38	0.142	1.434	0	96.5	55	105	4.86	30	
Benzidine	0	0.707	1.434	0	0	20	125	0	30	S
Benzo[a]anthracene	1.37	0.142	1.434	0	95.5	50	110	3.93	30	
Benzo[a]pyrene	1.46	0.142	1.434	0	101	50	110	4.14	30	
Benzo[b]fluoranthene	1.46	0.142	1.434	0	102	45	115	9.54	30	
Benzo[g,h,i]perylene	1.49	0.142	1.434	0	104	40	125	5.83	30	
Benzo[k]fluoranthene	1.48	0.142	1.434	0	103	45	125	4.05	30	
Benzoic acid	0.635	0.707	1.434	0	44.3	25	125	5.25	30	
Benzyl alcohol	0.913	0.353	1.434	0	63.7	20	125	5.41	30	
Biphenyl	1.33	0.142	1.434	0	92.5	60	140	5.10	30	
Bis(2-chloroethoxy)methane	1.23	0.142	1.434	0	85.6	45	110	6.09	30	
Bis(2-chloroethyl)ether	0.899	0.142	1.434	0	62.7	40	105	6.25	30	
Bis(2-chloroisopropyl)ether	0.871	0.142	1.434	0	60.7	20	115	7.23	30	
Bis(2-ethylhexyl)phthalate	1.28	0.142	1.434	0	89.6	45	125	3.70	30	
Butyl benzyl phthalate	1.20	0.353	1.434	0	83.6	50	125	1.70	30	
Carbazole	1.42	0.142	1.434	0	99.0	45	115	4.25	30	
Chrysene	1.39	0.142	1.434	0	97.0	55	110	4.35	30	
Di-n-butyl phthalate	1.43	0.353	1.434	0	99.5	55	110	3.75	30	
Di-n-octyl phthalate	1.35	0.353	1.434	0	94.0	40	130	6.64	30	
Dibenz(a,j)acridine	0.393	0.142	1.434	0	27.4	40	125	20.6	30	SN
Dibenz[a,h]anthracene	1.50	0.142	1.434	0	104	40	125	2.63	30	
Dibenzofuran	1.33	0.142	1.434	0	92.5	50	105	6.61	30	
Diethyl phthalate	1.36	0.353	1.434	0	95.0	50	115	4.45	30	
Dimethyl phthalate	1.33	0.353	1.434	0	93.0	50	110	7.06	30	
Dimethylphenethylamine	0	0.142	1.434	0	0	40	125	0	30	S
Diphenylamine	1.36	0.142	1.434	0	95.0	40	125	3.95	30	
Ethyl methanesulfonate	0.942	0.142	1.434	0	65.7	40	125	5.94	30	
Fluoranthene	1.43	0.142	1.434	0	99.5	55	115	3.27	30	
Fluorene	1.36	0.142	1.434	0	94.5	50	110	3.98	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Hexachlorobenzene	1.39	0.142	1.434	0	97.0	45	120	3.37	30	
Hexachlorobutadiene	1.23	0.142	1.434	0	86.1	40	115	2.76	30	
Hexachlorocyclopentadiene	1.24	0.353	1.434	0	86.6	34	125	3.29	30	
Hexachloroethane	1.01	0.142	1.434	0	70.6	35	110	4.83	30	
Indeno[1,2,3-cd]pyrene	1.53	0.142	1.434	0	107	40	120	3.45	30	
Isophorone	1.19	0.142	1.434	0	83.1	45	110	10.7	30	
Methyl methanesulfonate	0.956	0.142	1.434	0	66.7	40	125	3.73	30	
N-Nitrosodi-n-propylamine	0.935	0.142	1.434	0	65.2	40	115	3.83	30	
N-Nitrosodimethylamine	0.899	0.142	1.434	0	62.7	20	115	3.24	30	
N-Nitrosodiphenylamine	1.36	0.142	1.434	0	95.0	50	115	3.95	30	
N-Nitrosopiperidine	1.23	0.142	1.434	0	86.1	40	125	8.72	30	
Naphthalene	1.26	0.142	1.434	0	87.6	40	105	4.88	30	
Nitrobenzene	1.27	0.142	1.434	0	88.6	40	115	6.40	30	
p-Dimethylaminoazobenzene	1.33	0.142	1.434	0	93.0	40	125	0.116	30	
Pentachlorobenzene	2.74	0.142	2.826	0	97.0	35	125	2.17	30	
Pentachloronitrobenzene	1.33	0.142	1.434	0	93.0	40	125	3.54	30	
Pentachlorophenol	1.35	0.142	1.434	0	94.0	25	120	4.00	30	
Phenacetin	1.47	0.142	1.434	0	102	40	125	0.649	30	
Phenanthrene	1.38	0.142	1.434	0	96.0	50	110	3.91	30	
Phenol	0.928	0.142	1.434	0	64.7	40	100	2.38	30	
Pronamide	1.43	0.142	1.434	0	99.5	40	125	0.840	30	
Pyrene	1.39	0.142	1.434	0	97.0	45	125	3.37	30	
Pyridine	0.464	0.707	1.434	0	32.3	20	125	0.649	30	
Surr: 2,4,6-Tribromophenol	2.53		2.869		88.3	45	138	0	0	
Surr: 2-Fluorobiphenyl	2.26		2.869		78.9	37	125	0	0	
Surr: 2-Fluorophenol	1.62		2.869		56.5	60	135	0	0	S
Surr: 4-Terphenyl-d14	2.43		2.869		84.6	60	129	0	0	
Surr: Nitrobenzene-d5	2.14		2.869		74.6	45	125	0	0	
Surr: Phenol-d6	1.54		2.869		53.7	40	125	0	0	

Sample ID:	MB-39319	Batch ID:	39319	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS4_100202A	Analysis Date:	02/03/10 03:01 AM	Prep Date:	02/01/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	0.133								
1,2,4-Trichlorobenzene	ND	0.133								
1,2-Dichlorobenzene	ND	0.133								
1,2-Diphenylhydrazine	ND	0.133								
1,3-Dichlorobenzene	ND	0.133								
1,4-Dichlorobenzene	ND	0.133								
1-Chloronaphthalene	ND	0.133								N
1-Methylnaphthalene	ND	0.133								N
1-Naphthylamine	ND	0.133								
2,4,5-Trichlorophenol	ND	0.133								
2,4,6-Trichlorophenol	ND	0.133								
2,4-Dichlorophenol	ND	0.133								
2,4-Dimethylphenol	ND	0.133								
2,4-Dinitrophenol	ND	0.660								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

2,4-Dinitrotoluene	ND	0.133
2,6-Dichlorophenol	ND	0.133
2,6-Dinitrotoluene	ND	0.133
2-Chloronaphthalene	ND	0.133
2-Chlorophenol	ND	0.133
2-Methylnaphthalene	ND	0.133
2-Methylphenol	ND	0.133
2-Naphthylamine	ND	0.133
2-Nitroaniline	ND	0.133
2-Nitrophenol	ND	0.133
2-Picoline	ND	0.133
3,3′-Dichlorobenzidine	ND	0.133
3-Methylcholanthrene	ND	0.133
3-Nitroaniline	ND	0.133
4,6-Dinitro-2-methylphenol	ND	0.330
4-Aminobiphenyl	ND	0.133
4-Bromophenyl phenyl ether	ND	0.133
4-Chloro-3-methylphenol	ND	0.133
4-Chloroaniline	ND	0.330
4-Chlorophenyl phenyl ether	ND	0.133
4-Methylphenol	ND	0.133
4-Nitroaniline	ND	0.133
4-Nitrophenol	ND	0.660
7,12-Dimethylbenz(a)anthracene	ND	0.133
Acenaphthene	ND	0.133
Acenaphthylene	ND	0.133
Acetophenone	ND	0.133
Aniline	ND	0.133
Anthracene	ND	0.133
Benzidine	ND	0.660
Benzo[a]anthracene	ND	0.133
Benzo[a]pyrene	ND	0.133
Benzo[b]fluoranthene	ND	0.133
Benzo[g,h,i]perylene	ND	0.133
Benzo[k]fluoranthene	ND	0.133
Benzoic acid	ND	0.660
Benzyl alcohol	ND	0.330
Biphenyl	ND	0.133
Bis(2-chloroethoxy)methane	ND	0.133
Bis(2-chloroethyl)ether	ND	0.133
Bis(2-chloroisopropyl)ether	ND	0.133
Bis(2-ethylhexyl)phthalate	ND	0.133
Butyl benzyl phthalate	ND	0.330
Carbazole	ND	0.133
Chrysene	ND	0.133
Di-n-butyl phthalate	ND	0.330
Di-n-octyl phthalate	ND	0.330

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Dibenz(a,j)acridine	ND	0.133					N
Dibenz[a,h]anthracene	ND	0.133					
Dibenzofuran	ND	0.133					
Diethyl phthalate	ND	0.330					
Dimethyl phthalate	ND	0.330					
Dimethylphenethylamine	ND	0.133					
Diphenylamine	ND	0.133					
Ethyl methanesulfonate	ND	0.133					
Fluoranthene	ND	0.133					
Fluorene	ND	0.133					
Hexachlorobenzene	ND	0.133					
Hexachlorobutadiene	ND	0.133					
Hexachlorocyclopentadiene	ND	0.330					
Hexachloroethane	ND	0.133					
Indeno[1,2,3-cd]pyrene	ND	0.133					
Isophorone	ND	0.133					
Methyl methanesulfonate	ND	0.133					
N-Nitrosodi-n-propylamine	ND	0.133					
N-Nitrosodimethylamine	ND	0.133					
N-Nitrosodiphenylamine	ND	0.133					
N-Nitrosopiperidine	ND	0.133					
Naphthalene	ND	0.133					
Nitrobenzene	ND	0.133					
p-Dimethylaminoazobenzene	ND	0.133					
Pentachlorobenzene	ND	0.133					
Pentachloronitrobenzene	ND	0.133					
Pentachlorophenol	ND	0.133					
Phenacetin	ND	0.133					
Phenanthrene	ND	0.133					
Phenol	ND	0.133					
Pronamide	ND	0.133					
Pyrene	ND	0.133					
Pyridine	ND	0.660					
Surr: 2,4,6-Tribromophenol	2.35		2.680	87.8	45	138	
Surr: 2-Fluorobiphenyl	2.20		2.680	82.1	37	125	
Surr: 2-Fluorophenol	1.53		2.680	57.2	60	135	S
Surr: 4-Terphenyl-d14	2.53		2.680	94.5	60	129	
Surr: Nitrobenzene-d5	2.13		2.680	79.4	45	125	
Surr: Phenol-d6	1.50		2.680	56.0	40	125	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Sample ID:	ICV-100202	Batch ID:	R47689		TestNo:		SW8270C		Units:		mg/Kg
SampType:	ICV	Run ID:	GCMS4_100202A		Analysis Date:		02/02/10 10:46 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene		8.56	0.133	8.000	0	107	80	120			
1,2,4-Trichlorobenzene		4.14	0.133	4.000	0	104	80	120			
1,2-Dichlorobenzene		3.82	0.133	4.000	0	95.5	80	120			
1,2-Diphenylhydrazine		4.01	0.133	4.000	0	100	80	120			
1,3-Dichlorobenzene		4.06	0.133	4.000	0	102	80	120			
1,4-Dichlorobenzene		4.31	0.133	4.000	0	108	80	120			
1-Chloronaphthalene		4.07	0.133	4.000	0	102	80	120			N
1-Methylnaphthalene		4.17	0.133	4.000	0	104	80	120			N
1-Naphthylamine		4.28	0.133	4.000	0	107	80	120			
2,4,5-Trichlorophenol		4.31	0.133	4.000	0	108	80	120			
2,4,6-Trichlorophenol		4.34	0.133	4.000	0	108	80	120			
2,4-Dichlorophenol		4.37	0.133	4.000	0	109	80	120			
2,4-Dimethylphenol		4.20	0.133	4.000	0	105	80	120			
2,4-Dinitrophenol		4.19	0.660	4.000	0	105	80	120			
2,4-Dinitrotoluene		4.08	0.133	4.000	0	102	80	120			
2,6-Dichlorophenol		4.32	0.133	4.000	0	108	80	120			
2,6-Dinitrotoluene		4.10	0.133	4.000	0	103	80	120			
2-Chloronaphthalene		4.10	0.133	4.000	0	103	80	120			
2-Chlorophenol		3.54	0.133	4.000	0	88.5	80	120			
2-Methylnaphthalene		4.17	0.133	4.000	0	104	80	120			
2-Methylphenol		3.55	0.133	4.000	0	88.8	80	120			
2-Naphthylamine		4.20	0.133	4.000	0	105	80	120			
2-Nitroaniline		4.53	0.133	4.000	0	113	80	120			
2-Nitrophenol		4.52	0.133	4.000	0	113	80	120			
2-Picoline		3.55	0.133	4.000	0	88.8	80	120			
3,3'-Dichlorobenzidine		4.35	0.133	4.000	0	109	80	120			
3-Methylcholanthrene		4.06	0.133	4.000	0	102	80	120			
3-Nitroaniline		4.39	0.133	4.000	0	110	80	120			
4,6-Dinitro-2-methylphenol		4.11	0.330	4.000	0	103	80	120			
4-Aminobiphenyl		4.23	0.133	4.000	0	106	80	120			
4-Bromophenyl phenyl ether		4.25	0.133	4.000	0	106	80	120			
4-Chloro-3-methylphenol		4.30	0.133	4.000	0	108	80	120			
4-Chloroaniline		4.23	0.330	4.000	0	106	80	120			
4-Chlorophenyl phenyl ether		4.21	0.133	4.000	0	105	80	120			
4-Methylphenol		3.60	0.133	4.000	0	90.0	80	120			
4-Nitroaniline		4.36	0.133	4.000	0	109	80	120			
4-Nitrophenol		4.05	0.660	4.000	0	101	80	120			
7,12-Dimethylbenz(a)anthracene		4.31	0.133	4.000	0	108	80	120			
Acenaphthene		4.13	0.133	4.000	0	103	80	120			
Acenaphthylene		4.22	0.133	4.000	0	106	80	120			
Acetophenone		3.46	0.133	4.000	0	86.5	80	120			
Aniline		3.49	0.133	4.000	0	87.2	80	120			
Anthracene		4.16	0.133	4.000	0	104	80	120			
Benzidine		3.66	0.660	4.000	0	91.5	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Benzo[a]anthracene	3.99	0.133	4.000	0	99.8	80	120	
Benzo[a]pyrene	3.98	0.133	4.000	0	99.5	80	120	
Benzo[b]fluoranthene	4.02	0.133	4.000	0	101	80	120	
Benzo[g,h,i]perylene	4.07	0.133	4.000	0	102	80	120	
Benzo[k]fluoranthene	3.91	0.133	4.000	0	97.8	80	120	
Benzoic acid	4.35	0.660	4.000	0	109	80	120	
Benzyl alcohol	3.60	0.330	4.000	0	90.0	80	120	
Biphenyl	4.12	0.133	4.000	0	103	80	120	
Bis(2-chloroethoxy)methane	4.10	0.133	4.000	0	103	80	120	
Bis(2-chloroethyl)ether	3.35	0.133	4.000	0	83.8	80	120	
Bis(2-chloroisopropyl)ether	3.24	0.133	4.000	0	81.0	80	120	
Bis(2-ethylhexyl)phthalate	4.21	0.133	4.000	0	105	80	120	
Butyl benzyl phthalate	4.22	0.330	4.000	0	106	80	120	
Carbazole	4.12	0.133	4.000	0	103	80	120	
Chrysene	3.97	0.133	4.000	0	99.2	80	120	
Di-n-butyl phthalate	4.11	0.330	4.000	0	103	80	120	
Di-n-octyl phthalate	4.08	0.330	4.000	0	102	80	120	
Dibenz(a,j)acridine	4.12	0.133	4.000	0	103	80	120	N
Dibenz[a,h]anthracene	4.10	0.133	4.000	0	103	80	120	
Dibenzofuran	4.14	0.133	4.000	0	104	80	120	
Diethyl phthalate	4.00	0.330	4.000	0	100	80	120	
Dimethyl phthalate	4.05	0.330	4.000	0	101	80	120	
Dimethylphenethylamine	4.32	0.133	4.000	0	108	80	120	
Diphenylamine	4.15	0.133	4.000	0	104	80	120	
Ethyl methanesulfonate	3.67	0.133	4.000	0	91.8	80	120	
Fluoranthene	4.13	0.133	4.000	0	103	80	120	
Fluorene	4.18	0.133	4.000	0	104	80	120	
Hexachlorobenzene	4.28	0.133	4.000	0	107	80	120	
Hexachlorobutadiene	4.19	0.133	4.000	0	105	80	120	
Hexachlorocyclopentadiene	3.98	0.330	4.000	0	99.5	80	120	
Hexachloroethane	3.87	0.133	4.000	0	96.8	80	120	
Indeno[1,2,3-cd]pyrene	4.08	0.133	4.000	0	102	80	120	
Isophorone	4.13	0.133	4.000	0	103	80	120	
Methyl methanesulfonate	3.67	0.133	4.000	0	91.8	80	120	
N-Nitrosodi-n-propylamine	3.47	0.133	4.000	0	86.8	80	120	
N-Nitrosodimethylamine	3.99	0.133	4.000	0	99.8	80	120	
N-Nitrosodiphenylamine	4.15	0.133	4.000	0	104	80	120	
N-Nitrosopiperidine	4.27	0.133	4.000	0	107	80	120	
Naphthalene	4.09	0.133	4.000	0	102	80	120	
Nitrobenzene	4.07	0.133	4.000	0	102	80	120	
p-Dimethylaminoazobenzene	4.01	0.133	4.000	0	100	80	120	
Pentachlorobenzene	8.64	0.133	8.000	0	108	80	120	
Pentachloronitrobenzene	3.99	0.133	4.000	0	99.8	80	120	
Pentachlorophenol	4.14	0.133	4.000	0	104	80	120	
Phenacetin	4.38	0.133	4.000	0	110	80	120	
Phenanthrene	4.01	0.133	4.000	0	100	80	120	
Phenol	3.50	0.133	4.000	0	87.5	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_100202A

Pronamide	4.06	0.133	4.000	0	102	80	120
Pyrene	4.00	0.133	4.000	0	100	80	120
Pyridine	3.46	0.660	4.000	0	86.5	80	120
Surr: 2,4,6-Tribromophenol	4.53		4.000		113	80	120
Surr: 2-Fluorobiphenyl	4.12		4.000		103	80	120
Surr: 2-Fluorophenol	3.61		4.000		90.2	80	120
Surr: 4-Terphenyl-d14	4.07		4.000		102	80	120
Surr: Nitrobenzene-d5	4.11		4.000		103	80	120
Surr: Phenol-d6	3.54		4.000		88.5	80	120

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

Sample ID:	LCS-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L
SampType:	LCS	Run ID:	GCMS8_100126A	Analysis Date:	01/26/10 04:25 PM	Prep Date:	01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00340	0.000200	0.00400	0	85.0	45	105			
Acenaphthene	0.00311	0.000200	0.00400	0	77.7	45	110			
Acenaphthylene	0.00348	0.000200	0.00400	0	87.1	50	105			
Anthracene	0.00319	0.000200	0.00400	0	79.8	55	110			
Benzo[a]anthracene	0.00334	0.000200	0.00400	0	83.4	55	110			
Benzo[a]pyrene	0.00338	0.000200	0.00400	0	84.5	55	110			
Benzo[b]fluoranthene	0.00314	0.000200	0.00400	0	78.5	45	120			
Benzo[g,h,i]perylene	0.00335	0.000200	0.00400	0	83.8	40	125			
Benzo[k]fluoranthene	0.00328	0.000200	0.00400	0	82.1	45	125			
Chrysene	0.00310	0.000200	0.00400	0	77.6	55	110			
Dibenz[a,h]anthracene	0.00328	0.000200	0.00400	0	81.9	40	125			
Fluoranthene	0.00330	0.000200	0.00400	0	82.5	55	115			
Fluorene	0.00333	0.000200	0.00400	0	83.3	50	110			
Indeno[1,2,3-cd]pyrene	0.00322	0.000200	0.00400	0	80.4	45	125			
Naphthalene	0.00319	0.000200	0.00400	0	79.6	40	100			
Phenanthrene	0.00310	0.000200	0.00400	0	77.6	50	115			
Pyrene	0.00321	0.000200	0.00400	0	80.2	50	130			
Surr: 2-Fluorobiphenyl	6.15		8.000		76.8	40	140			
Surr: 4-Terphenyl-d14	6.65		8.000		83.1	40	140			

Sample ID:	LCSD-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L
SampType:	LCSD	Run ID:	GCMS8_100126A	Analysis Date:	01/26/10 04:57 PM	Prep Date:	01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.00335	0.000200	0.00400	0	83.8	45	105	1.40	30	
Acenaphthene	0.00300	0.000200	0.00400	0	74.9	45	110	3.65	30	
Acenaphthylene	0.00336	0.000200	0.00400	0	84.0	50	105	3.62	30	
Anthracene	0.00303	0.000200	0.00400	0	75.9	55	110	5.12	30	
Benzo[a]anthracene	0.00314	0.000200	0.00400	0	78.5	55	110	6.06	30	
Benzo[a]pyrene	0.00312	0.000200	0.00400	0	78.1	55	110	7.87	30	
Benzo[b]fluoranthene	0.00291	0.000200	0.00400	0	72.7	45	120	7.64	30	
Benzo[g,h,i]perylene	0.00318	0.000200	0.00400	0	79.4	40	125	5.43	30	
Benzo[k]fluoranthene	0.00308	0.000200	0.00400	0	77.1	45	125	6.27	30	
Chrysene	0.00288	0.000200	0.00400	0	72.0	55	110	7.42	30	
Dibenz[a,h]anthracene	0.00306	0.000200	0.00400	0	76.4	40	125	6.95	30	
Fluoranthene	0.00320	0.000200	0.00400	0	80.0	55	115	3.07	30	
Fluorene	0.00309	0.000200	0.00400	0	77.3	50	110	7.52	30	
Indeno[1,2,3-cd]pyrene	0.00299	0.000200	0.00400	0	74.6	45	125	7.46	30	
Naphthalene	0.00305	0.000200	0.00400	0	76.1	40	100	4.48	30	
Phenanthrene	0.00299	0.000200	0.00400	0	74.9	50	115	3.58	30	
Pyrene	0.00310	0.000200	0.00400	0	77.5	50	130	3.38	30	
Surr: 2-Fluorobiphenyl	6.05		8.000		75.6	40	140	0	0	
Surr: 4-Terphenyl-d14	6.00		8.000		75.0	40	140	0	0	

Sample ID:	MB-39208	Batch ID:	39208	TestNo:	SW8270C	Units:	mg/L

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

SampType: MBLK Run ID: GCMS8_100126A Analysis Date: 01/26/10 08:08 PM Prep Date: 01/26/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.000200								
Acenaphthene	ND	0.000200								
Acenaphthylene	ND	0.000200								
Anthracene	ND	0.000200								
Benzo[a]anthracene	ND	0.000200								
Benzo[a]pyrene	ND	0.000200								
Benzo[b]fluoranthene	ND	0.000200								
Benzo[g,h,i]perylene	ND	0.000200								
Benzo[k]fluoranthene	ND	0.000200								
Chrysene	ND	0.000200								
Dibenz[a,h]anthracene	ND	0.000200								
Fluoranthene	ND	0.000200								
Fluorene	ND	0.000200								
Indeno[1,2,3-cd]pyrene	ND	0.000200								
Naphthalene	0.000162	0.000200								
Phenanthrene	ND	0.000200								
Pyrene	ND	0.000200								
Surr: 2-Fluorobiphenyl	5.21		8.000		65.1	40	140			
Surr: 4-Terphenyl-d14	5.65		8.000		70.6	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100126A

Sample ID:	ICV-100126	Batch ID:	R47561	TestNo:	SW8270C			Units:	mg/L
SampType:	ICV	Run ID:	GCMS8_100126A	Analysis Date:	01/26/10 03:53 PM			Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.34	0.000200	2.00	0	117	80	120			
Acenaphthene	2.00	0.000200	2.00	0	100	80	120			
Acenaphthylene	2.20	0.000200	2.00	0	110	80	120			
Anthracene	1.67	0.000200	2.00	0	83.3	80	120			
Benzo[a]anthracene	1.93	0.000200	2.00	0	96.4	80	120			
Benzo[a]pyrene	1.95	0.000200	2.00	0	97.7	80	120			
Benzo[b]fluoranthene	1.78	0.000200	2.00	0	88.9	80	120			
Benzo[g,h,i]perylene	1.89	0.000200	2.00	0	94.7	80	120			
Benzo[k]fluoranthene	1.85	0.000200	2.00	0	92.7	80	120			
Chrysene	1.83	0.000200	2.00	0	91.6	80	120			
Dibenz[a,h]anthracene	1.88	0.000200	2.00	0	93.8	80	120			
Fluoranthene	1.90	0.000200	2.00	0	94.9	80	120			
Fluorene	2.04	0.000200	2.00	0	102	80	120			
Indeno[1,2,3-cd]pyrene	1.82	0.000200	2.00	0	91.2	80	120			
Naphthalene	2.00	0.000200	2.00	0	100	80	120			
Phenanthrene	1.92	0.000200	2.00	0	96.0	80	120			
Pyrene	1.83	0.000200	2.00	0	91.5	80	120			
Surr: 2-Fluorobiphenyl	2180		2000		109	40	140			
Surr: 4-Terphenyl-d14	1760		2000		87.8	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

Sample ID:	LCS-39244	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS8_100128A	Analysis Date:	01/28/10 05:13 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.807	0.0100	1.000	0	80.7	45	105			
Acenaphthene	0.738	0.0100	1.000	0	73.8	45	110			
Acenaphthylene	0.843	0.0100	1.000	0	84.3	45	105			
Anthracene	0.747	0.0100	1.000	0	74.7	55	105			
Benzo[a]anthracene	0.799	0.0100	1.000	0	79.9	50	110			
Benzo[a]pyrene	0.794	0.0100	1.000	0	79.4	50	110			
Benzo[b]fluoranthene	0.701	0.0100	1.000	0	70.1	45	115			
Benzo[g,h,i]perylene	0.835	0.0100	1.000	0	83.5	40	125			
Benzo[k]fluoranthene	0.704	0.0100	1.000	0	70.4	45	125			
Chrysene	0.728	0.0100	1.000	0	72.8	55	110			
Dibenz[a,h]anthracene	0.788	0.0100	1.000	0	78.8	40	125			
Fluoranthene	0.813	0.0100	1.000	0	81.3	55	115			
Fluorene	0.782	0.0100	1.000	0	78.2	50	110			
Indeno[1,2,3-cd]pyrene	0.775	0.0100	1.000	0	77.5	40	120			
Naphthalene	0.726	0.0100	1.000	0	72.6	40	105			
Phenanthrene	0.745	0.0100	1.000	0	74.5	50	110			
Pyrene	0.791	0.0100	1.000	0	79.1	45	125			
Surr: 2-Fluorobiphenyl	3.50		4.000		87.4	40	140			
Surr: 4-Terphenyl-d14	3.30		4.000		82.4	40	140			

Sample ID:	1001149-15C-MS	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS8_100128A	Analysis Date:	01/28/10 05:45 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.898	0.0100	1.001	0	89.7	45	105			
Acenaphthene	0.817	0.0100	1.001	0	81.6	45	110			
Acenaphthylene	0.938	0.0100	1.001	0	93.8	45	105			
Anthracene	0.828	0.0100	1.001	0	82.7	55	105			
Benzo[a]anthracene	0.863	0.0100	1.001	0	86.2	50	110			
Benzo[a]pyrene	0.849	0.0100	1.001	0	84.8	50	110			
Benzo[b]fluoranthene	0.753	0.0100	1.001	0	75.3	45	115			
Benzo[g,h,i]perylene	0.930	0.0100	1.001	0	92.9	40	125			
Benzo[k]fluoranthene	0.783	0.0100	1.001	0	78.2	45	125			
Chrysene	0.770	0.0100	1.001	0	77.0	55	110			
Dibenz[a,h]anthracene	0.871	0.0100	1.001	0	87.0	40	125			
Fluoranthene	0.880	0.0100	1.001	0	87.9	55	115			
Fluorene	0.871	0.0100	1.001	0	87.1	50	110			
Indeno[1,2,3-cd]pyrene	0.852	0.0100	1.001	0	85.2	40	120			
Naphthalene	0.797	0.0100	1.001	0	79.6	40	105			
Phenanthrene	0.822	0.0100	1.001	0	82.2	50	110			
Pyrene	0.865	0.0100	1.001	0	86.4	45	125			
Surr: 2-Fluorobiphenyl	3.81		4.003		95.1	40	140			
Surr: 4-Terphenyl-d14	3.42		4.003		85.5	40	140			

Sample ID:	1001149-15C-MSD	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg-dry

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

SampType: MSD	Run ID:	GCMS8_100128A		Analysis Date:		01/28/10 06:16 PM		Prep Date:		01/28/10
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.903	0.0100	0.9998	0	90.3	45	105	0.576	30	
Acenaphthene	0.819	0.0100	0.9998	0	81.9	45	110	0.246	30	
Acenaphthylene	0.934	0.0100	0.9998	0	93.5	45	105	0.435	30	
Anthracene	0.817	0.0100	0.9998	0	81.8	55	105	1.25	30	
Benzo[a]anthracene	0.823	0.0100	0.9998	0	82.3	50	110	4.75	30	
Benzo[a]pyrene	0.796	0.0100	0.9998	0	79.7	50	110	6.40	30	
Benzo[b]fluoranthene	0.718	0.0100	0.9998	0	71.8	45	115	4.78	30	
Benzo[g,h,i]perylene	0.862	0.0100	0.9998	0	86.3	40	125	7.54	30	
Benzo[k]fluoranthene	0.731	0.0100	0.9998	0	73.2	45	125	6.78	30	
Chrysene	0.733	0.0100	0.9998	0	73.3	55	110	5.02	30	
Dibenz[a,h]anthracene	0.812	0.0100	0.9998	0	81.2	40	125	6.98	30	
Fluoranthene	0.858	0.0100	0.9998	0	85.8	55	115	2.48	30	
Fluorene	0.843	0.0100	0.9998	0	84.4	50	110	3.25	30	
Indeno[1,2,3-cd]pyrene	0.800	0.0100	0.9998	0	80.0	40	120	6.37	30	
Naphthalene	0.783	0.0100	0.9998	0	78.4	40	105	1.69	30	
Phenanthrene	0.811	0.0100	0.9998	0	81.1	50	110	1.38	30	
Pyrene	0.844	0.0100	0.9998	0	84.4	45	125	2.43	30	
Surr: 2-Fluorobiphenyl	3.73		3.999		93.2	40	140	0	0	
Surr: 4-Terphenyl-d14	3.09		3.999		77.3	40	140	0	0	

Sample ID: MB-39244	Batch ID:	39244		TestNo:		SW8270C		Units:		mg/Kg
SampType: MBLK	Run ID:	GCMS8_100128A		Analysis Date:		01/28/10 07:20 PM		Prep Date:		01/28/10
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								
Surr: 2-Fluorobiphenyl	3.68		4.000		92.0	40	140			
Surr: 4-Terphenyl-d14	3.30		4.000		82.5	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100128A

Sample ID:	ICV-100128	Batch ID:	R47672		TestNo:		SW8270C		Units:		mg/Kg
SampType:	ICV	Run ID:	GCMS8_100128A		Analysis Date:		01/28/10 04:41 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene		2.10	0.0100	2.000	0	105	80	120			
Acenaphthene		1.96	0.0100	2.000	0	97.9	80	120			
Acenaphthylene		2.17	0.0100	2.000	0	109	80	120			
Anthracene		1.63	0.0100	2.000	0	81.7	80	120			
Benzo[a]anthracene		1.90	0.0100	2.000	0	94.9	80	120			
Benzo[a]pyrene		1.92	0.0100	2.000	0	95.8	80	120			
Benzo[b]fluoranthene		1.72	0.0100	2.000	0	86.0	80	120			
Benzo[g,h,i]perylene		2.06	0.0100	2.000	0	103	80	120			
Benzo[k]fluoranthene		1.73	0.0100	2.000	0	86.6	80	120			
Chrysene		1.78	0.0100	2.000	0	89.1	80	120			
Dibenz[a,h]anthracene		2.08	0.0100	2.000	0	104	80	120			
Fluoranthene		2.00	0.0100	2.000	0	100	80	120			
Fluorene		1.96	0.0100	2.000	0	97.8	80	120			
Indeno[1,2,3-cd]pyrene		2.00	0.0100	2.000	0	100	80	120			
Naphthalene		1.92	0.0100	2.000	0	95.9	80	120			
Phenanthrene		1.88	0.0100	2.000	0	94.0	80	120			
Pyrene		1.95	0.0100	2.000	0	97.6	80	120			
Surr: 2-Fluorobiphenyl		1.88		2.000		94.1	40	140			
Surr: 4-Terphenyl-d14		1.67		2.000		83.3	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	SYS BLANK-100129	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 01:25 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	LCS-39282	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 12:53 PM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.975	0.0100	1.000	0	97.5	45	105			
Acenaphthene	0.788	0.0100	1.000	0	78.8	45	110			
Acenaphthylene	0.896	0.0100	1.000	0	89.6	45	105			
Anthracene	0.775	0.0100	1.000	0	77.5	55	105			
Benzo[a]anthracene	0.836	0.0100	1.000	0	83.6	50	110			
Benzo[a]pyrene	0.822	0.0100	1.000	0	82.2	50	110			
Benzo[b]fluoranthene	0.764	0.0100	1.000	0	76.4	45	115			
Benzo[g,h,i]perylene	0.828	0.0100	1.000	0	82.8	40	125			
Benzo[k]fluoranthene	0.742	0.0100	1.000	0	74.2	45	125			
Chrysene	0.750	0.0100	1.000	0	75.0	55	110			
Dibenz[a,h]anthracene	0.772	0.0100	1.000	0	77.2	40	125			
Fluoranthene	0.817	0.0100	1.000	0	81.7	55	115			
Fluorene	0.844	0.0100	1.000	0	84.4	50	110			
Indeno[1,2,3-cd]pyrene	0.761	0.0100	1.000	0	76.1	40	120			
Naphthalene	0.799	0.0100	1.000	0	79.9	40	105			
Phenanthrene	0.777	0.0100	1.000	0	77.7	50	110			
Pyrene	0.788	0.0100	1.000	0	78.8	45	125			
Surr: 2-Fluorobiphenyl	4.36		4.000		109	40	140			
Surr: 4-Terphenyl-d14	3.46		4.000		86.4	40	140			

Sample ID:	MB-39282	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 01:57 PM	Prep Date:	01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	0.0100								
Acenaphthene	ND	0.0100								
Acenaphthylene	ND	0.0100								
Anthracene	ND	0.0100								
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Fluoranthene	ND	0.0100								
Fluorene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								
Naphthalene	ND	0.0100								
Phenanthrene	ND	0.0100								
Pyrene	ND	0.0100								
Surr: 2-Fluorobiphenyl	3.96		4.000		99.0	40	140			
Surr: 4-Terphenyl-d14	3.33		4.000		83.3	40	140			

Sample ID:	1001149-36C-MS	Batch ID:	39282	TestNo:	SW8270C	Units:	mg/Kg-dry

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

SampType: MS | Run ID: GCMS8_100129A | Analysis Date: 01/29/10 06:21 PM | Prep Date: 01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.878	0.00989	0.9886	0	88.8	45	105			
Acenaphthene	0.826	0.00989	0.9886	0	83.6	45	110			
Acenaphthylene	0.893	0.00989	0.9886	0	90.3	45	105			
Anthracene	0.818	0.00989	0.9886	0	82.7	55	105			
Benzo[a]anthracene	0.995	0.00989	0.9886	0.1839	82.1	50	110			
Benzo[a]pyrene	1.05	0.00989	0.9886	0.005534	105	50	110			
Benzo[b]fluoranthene	0.958	0.00989	0.9886	0.00705	96.2	45	115			
Benzo[g,h,i]perylene	0.735	0.00989	0.9886	0.02994	71.3	40	125			
Benzo[k]fluoranthene	1.07	0.00989	0.9886	0	108	45	125			
Chrysene	1.07	0.00989	0.9886	0.1872	89.6	55	110			
Dibenz[a,h]anthracene	0.615	0.00989	0.9886	0	62.2	40	125			
Fluoranthene	1.02	0.00989	0.9886	0	103	55	115			
Fluorene	0.974	0.00989	0.9886	0	98.5	50	110			
Indeno[1,2,3-cd]pyrene	0.729	0.00989	0.9886	0	73.8	40	120			
Naphthalene	0.797	0.00989	0.9886	0	80.7	40	105			
Phenanthrene	0.847	0.00989	0.9886	0	85.6	50	110			
Pyrene	1.13	0.00989	0.9886	0	114	45	125			
Surr: 2-Fluorobiphenyl	3.66		3.955		92.5	40	140			
Surr: 4-Terphenyl-d14	2.22		3.955		56.1	40	140			

Sample ID: 1001149-36C-MSD | Batch ID: 39282 | TestNo: SW8270C | Units: mg/Kg-dry

SampType: MSD | Run ID: GCMS8_100129A | Analysis Date: 01/29/10 06:53 PM | Prep Date: 01/29/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	0.985	0.00996	0.9962	0	98.9	45	105	11.5	30	
Acenaphthene	0.870	0.00996	0.9962	0	87.4	45	110	5.17	30	
Acenaphthylene	0.893	0.00996	0.9962	0	89.7	45	105	0.012	30	
Anthracene	0.832	0.00996	0.9962	0	83.5	55	105	1.71	30	
Benzo[a]anthracene	1.12	0.00996	0.9962	0.1839	94.4	50	110	12.2	30	
Benzo[a]pyrene	1.10	0.00996	0.9962	0.005534	110	50	110	5.46	30	
Benzo[b]fluoranthene	0.999	0.00996	0.9962	0.00705	99.6	45	115	4.17	30	
Benzo[g,h,i]perylene	0.875	0.00996	0.9962	0.02994	84.8	40	125	17.4	30	
Benzo[k]fluoranthene	1.14	0.00996	0.9962	0	114	45	125	6.34	30	
Chrysene	1.24	0.00996	0.9962	0.1872	106	55	110	14.6	30	
Dibenz[a,h]anthracene	0.630	0.00996	0.9962	0	63.2	40	125	2.37	30	
Fluoranthene	1.17	0.00996	0.9962	0	117	55	115	14.0	30	S
Fluorene	1.04	0.00996	0.9962	0	105	50	110	6.66	30	
Indeno[1,2,3-cd]pyrene	0.845	0.00996	0.9962	0	84.8	40	120	14.7	30	
Naphthalene	0.845	0.00996	0.9962	0	84.8	40	105	5.74	30	
Phenanthrene	0.907	0.00996	0.9962	0	91.0	50	110	6.85	30	
Pyrene	1.39	0.00996	0.9962	0	140	45	125	21.3	30	S
Surr: 2-Fluorobiphenyl	4.18		3.985		105	40	140	0	0	
Surr: 4-Terphenyl-d14	2.83		3.985		71.0	40	140	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100129A

Sample ID:	ICV-100129	Batch ID:	R47674	TestNo:	SW8270C	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 12:21 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.29	0.0100	2.000	0	115	80	120			
Acenaphthene	1.96	0.0100	2.000	0	98.1	80	120			
Acenaphthylene	2.18	0.0100	2.000	0	109	80	120			
Anthracene	1.65	0.0100	2.000	0	82.7	80	120			
Benzo[a]anthracene	1.93	0.0100	2.000	0	96.3	80	120			
Benzo[a]pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Benzo[b]fluoranthene	1.75	0.0100	2.000	0	87.5	80	120			
Benzo[g,h,i]perylene	1.96	0.0100	2.000	0	98.0	80	120			
Benzo[k]fluoranthene	1.84	0.0100	2.000	0	91.9	80	120			
Chrysene	1.80	0.0100	2.000	0	90.2	80	120			
Dibenz[a,h]anthracene	1.95	0.0100	2.000	0	97.4	80	120			
Fluoranthene	1.99	0.0100	2.000	0	99.7	80	120			
Fluorene	1.98	0.0100	2.000	0	98.9	80	120			
Indeno[1,2,3-cd]pyrene	1.88	0.0100	2.000	0	94.1	80	120			
Naphthalene	1.94	0.0100	2.000	0	96.8	80	120			
Phenanthrene	1.92	0.0100	2.000	0	95.8	80	120			
Pyrene	1.94	0.0100	2.000	0	96.8	80	120			
Surr: 2-Fluorobiphenyl	2.12		2.000		106	40	140			
Surr: 4-Terphenyl-d14	1.69		2.000		84.5	40	140			

Sample ID:	ICV2-100129	Batch ID:	R47674	TestNo:	SW8270C	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS8_100129A	Analysis Date:	01/29/10 05:49 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.03	0.0100	2.000	0	101	80	120			
Acenaphthene	1.93	0.0100	2.000	0	96.3	80	120			
Acenaphthylene	2.13	0.0100	2.000	0	106	80	120			
Anthracene	1.60	0.0100	2.000	0	79.8	80	120			
Benzo[a]anthracene	1.91	0.0100	2.000	0	95.4	80	120			
Benzo[a]pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Benzo[b]fluoranthene	1.78	0.0100	2.000	0	89.0	80	120			
Benzo[g,h,i]perylene	1.86	0.0100	2.000	0	93.0	80	120			
Benzo[k]fluoranthene	1.83	0.0100	2.000	0	91.6	80	120			
Chrysene	1.80	0.0100	2.000	0	90.1	80	120			
Dibenz[a,h]anthracene	1.87	0.0100	2.000	0	93.7	80	120			
Fluoranthene	2.00	0.0100	2.000	0	100	80	120			
Fluorene	2.01	0.0100	2.000	0	101	80	120			
Indeno[1,2,3-cd]pyrene	1.82	0.0100	2.000	0	90.9	80	120			
Naphthalene	1.89	0.0100	2.000	0	94.7	80	120			
Phenanthrene	1.87	0.0100	2.000	0	93.4	80	120			
Pyrene	1.92	0.0100	2.000	0	96.2	80	120			
Surr: 2-Fluorobiphenyl	1.81		2.000		90.6	40	140			
Surr: 4-Terphenyl-d14	1.73		2.000		86.3	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100203A

Sample ID:	SYS BLANK-100203	Batch ID:	39244	TestNo:	SW8270C	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS8_100203A	Analysis Date:	02/03/10 05:11 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzo[a]anthracene	ND	0.0100								
Benzo[a]pyrene	ND	0.0100								
Benzo[b]fluoranthene	ND	0.0100								
Benzo[g,h,i]perylene	ND	0.0100								
Benzo[k]fluoranthene	ND	0.0100								
Chrysene	ND	0.0100								
Dibenz[a,h]anthracene	ND	0.0100								
Indeno[1,2,3-cd]pyrene	ND	0.0100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_100203A

Sample ID:	ICV-100203	Batch ID:	R47700	TestNo:		SW8270C		Units:	mg/Kg		
SampType:	ICV	Run ID:	GCMS8_100203A	Analysis Date:		02/03/10 03:59 PM		Prep Date:			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzo[a]anthracene		1.85	0.0100	2.000	0	92.6	80	120			
Benzo[a]pyrene		1.84	0.0100	2.000	0	92.2	80	120			
Benzo[b]fluoranthene		1.73	0.0100	2.000	0	86.5	80	120			
Benzo[g,h,i]perylene		1.98	0.0100	2.000	0	98.9	80	120			
Benzo[k]fluoranthene		1.71	0.0100	2.000	0	85.6	80	120			
Chrysene		1.70	0.0100	2.000	0	85.2	80	120			
Dibenz[a,h]anthracene		2.09	0.0100	2.000	0	104	80	120			
Indeno[1,2,3-cd]pyrene		2.00	0.0100	2.000	0	99.8	80	120			
Surr: 2-Fluorobiphenyl		2.39		2.000		120	40	140			
Surr: 4-Terphenyl-d14		1.94		2.000		97.2	40	140			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Sample ID:	LCS-39180	Batch ID:	39180	TestNo:		SW8260B		Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS1_100125A	Analysis Date:		01/25/10 12:16 PM		Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0236	0.00500	0.0232	0	102	75	125			
1,1,1-Trichloroethane	0.0238	0.00500	0.0232	0	103	70	130			
1,1,2,2-Tetrachloroethane	0.0238	0.00500	0.0232	0	103	59	130			
1,1,2-Trichloroethane	0.0255	0.00500	0.0232	0	110	62	125			
1,1-Dichloroethane	0.0237	0.00500	0.0232	0	102	75	125			
1,1-Dichloroethene	0.0240	0.00500	0.0232	0	103	65	135			
1,1-Dichloropropene	0.0239	0.00500	0.0232	0	103	70	135			
1,2,3-Trichlorobenzene	0.0254	0.00500	0.0232	0	109	62	133			
1,2,3-Trichloropropane	0.0255	0.00500	0.0232	0	110	65	130			
1,2,4-Trichlorobenzene	0.0248	0.00500	0.0232	0	107	65	130			
1,2,4-Trimethylbenzene	0.0241	0.00500	0.0232	0	104	65	135			
1,2-Dibromo-3-chloropropane	0.0249	0.00500	0.0232	0	107	49	135			
1,2-Dibromoethane	0.0239	0.00500	0.0232	0	103	70	124			
1,2-Dichlorobenzene	0.0247	0.00500	0.0232	0	106	75	120			
1,2-Dichloroethane	0.0238	0.00500	0.0232	0	103	72	135			
1,2-Dichloropropane	0.0242	0.00500	0.0232	0	104	71	120			
1,3,5-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	65	133			
1,3-Dichlorobenzene	0.0243	0.00500	0.0232	0	105	72	124			
1,3-Dichloropropane	0.0241	0.00500	0.0232	0	104	76	123			
1,4-Dichloro-2-butene	0.0254	0.00500	0.0232	0	109	50	150			
1,4-Dichlorobenzene	0.0243	0.00500	0.0232	0	105	72	125			
2,2-Dichloropropane	0.0240	0.00500	0.0232	0	104	67	134			
2-Butanone	0.0267	0.0150	0.0232	0	115	60	135			
2-Chloroethylvinylether	0.0244	0.0150	0.0232	0	105	50	150			
2-Chlorotoluene	0.0244	0.00500	0.0232	0	105	70	128			
2-Hexanone	0.0252	0.0150	0.0232	0	108	50	145			
4-Chlorotoluene	0.0242	0.00500	0.0232	0	104	75	125			
4-Isopropyltoluene	0.0241	0.00500	0.0232	0	104	75	133			
4-Methyl-2-pentanone	0.0249	0.0150	0.0232	0	107	60	135			
Acetone	0.0313	0.0500	0.0232	0	135	40	141			
Acrylonitrile	0.0509	0.0100	0.0464	0	110	40	160			
Benzene	0.0237	0.00500	0.0232	0	102	75	125			
Bromobenzene	0.0246	0.00500	0.0232	0	106	66	120			
Bromochloromethane	0.0247	0.00500	0.0232	0	106	71	125			
Bromodichloromethane	0.0240	0.00500	0.0232	0	103	72	128			
Bromoform	0.0242	0.00500	0.0232	0	104	66	137			
Bromomethane	0.0244	0.00500	0.0232	0	105	45	141			
Carbon disulfide	0.0215	0.00500	0.0232	0	92.6	50	150			
Carbon tetrachloride	0.0236	0.00500	0.0232	0	102	67	133			
Chlorobenzene	0.0241	0.00500	0.0232	0	104	75	123			
Chloroethane	0.0251	0.00500	0.0232	0	108	41	141			
Chloroform	0.0239	0.00500	0.0232	0	103	72	124			
Chloromethane	0.0233	0.00500	0.0232	0	100	51	129			
cis-1,2-Dichloroethene	0.0236	0.00500	0.0232	0	102	67	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

cis-1,3-Dichloropropene	0.0242	0.00500	0.0232	0	104	72	125
Dibromochloromethane	0.0239	0.00500	0.0232	0	103	66	130
Dibromomethane	0.0248	0.00500	0.0232	0	107	75	128
Dichlorodifluoromethane	0.0228	0.00500	0.0232	0	98.4	80	121
Ethylbenzene	0.0238	0.00500	0.0232	0	102	75	125
Hexachlorobutadiene	0.0248	0.00500	0.0232	0	107	55	140
Iodomethane	0.0232	0.00500	0.0232	0	100	50	150
Isopropylbenzene	0.0235	0.00500	0.0232	0	101	77	129
m,p-Xylene	0.0484	0.00500	0.0464	0	104	80	125
Methyl tert-butyl ether	0.0278	0.00500	0.0232	0	120	68	130
Methylene chloride	0.0255	0.00500	0.0232	0	110	63	137
n-Butylbenzene	0.0241	0.00500	0.0232	0	104	65	138
n-Propylbenzene	0.0242	0.00500	0.0232	0	104	65	135
Naphthalene	0.0256	0.0150	0.0232	0	110	51	125
o-Xylene	0.0238	0.00500	0.0232	0	103	77	125
sec-Butylbenzene	0.0239	0.00500	0.0232	0	103	65	130
Styrene	0.0239	0.00500	0.0232	0	103	75	125
tert-Butylbenzene	0.0243	0.00500	0.0232	0	105	65	130
Tetrachloroethene	0.0241	0.00500	0.0232	0	104	67	139
Toluene	0.0243	0.00500	0.0232	0	105	75	125
trans-1,2-Dichloroethene	0.0237	0.00500	0.0232	0	102	66	134
trans-1,3-Dichloropropene	0.0244	0.00500	0.0232	0	105	65	125
Trichloroethene	0.0250	0.00500	0.0232	0	108	77	124
Trichlorofluoromethane	0.0236	0.0150	0.0232	0	102	49	139
Vinyl chloride	0.0242	0.00500	0.0232	0	104	60	125
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101	78	125
Surr: 4-Bromofluorobenzene	50.1		50.00		100	85	120
Surr: Dibromofluoromethane	50.4		50.00		101	84	116
Surr: Toluene-d8	49.2		50.00		98.3	85	115

Sample ID:	MB-39180	Batch ID:	39180	TestNo:	SW8260B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS1_100125A	Analysis Date:	01/25/10 01:21 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,2-Dichloroethane	ND	0.00500
1,2-Dichloropropane	ND	0.00500
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00500
1,3-Dichloropropane	ND	0.00500
1,4-Dichloro-2-butene	ND	0.00500
1,4-Dichlorobenzene	ND	0.00500
2,2-Dichloropropane	ND	0.00500
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00500
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00500
4-Isopropyltoluene	ND	0.00500
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0500
Acrylonitrile	ND	0.0100
Benzene	ND	0.00500
Bromobenzene	ND	0.00500
Bromochloromethane	ND	0.00500
Bromodichloromethane	ND	0.00500
Bromoform	ND	0.00500
Bromomethane	ND	0.00500
Carbon disulfide	ND	0.00500
Carbon tetrachloride	ND	0.00500
Chlorobenzene	ND	0.00500
Chloroethane	ND	0.00500
Chloroform	ND	0.00500
Chloromethane	ND	0.00500
cis-1,2-Dichloroethene	ND	0.00500
cis-1,3-Dichloropropene	ND	0.00500
Dibromochloromethane	ND	0.00500
Dibromomethane	ND	0.00500
Dichlorodifluoromethane	ND	0.00500
Ethylbenzene	ND	0.00500
Hexachlorobutadiene	ND	0.00500
Iodomethane	ND	0.00500
Isopropylbenzene	ND	0.00500
m,p-Xylene	ND	0.00500
Methyl tert-butyl ether	ND	0.00500
Methylene chloride	ND	0.00500
n-Butylbenzene	ND	0.00500
n-Propylbenzene	ND	0.00500
Naphthalene	ND	0.0150
o-Xylene	ND	0.00500
sec-Butylbenzene	ND	0.00500
Styrene	ND	0.00500

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	47.7		50.00	95.5	78	125
Surr: 4-Bromofluorobenzene	49.1		50.00	98.1	85	120
Surr: Dibromofluoromethane	50.0		50.00	100	84	116
Surr: Toluene-d8	49.2		50.00	98.3	85	115

Sample ID:	SYS BL-39180	Batch ID:	39180	TestNo:	SW8260B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS1_100125A	Analysis Date:	01/26/10 10:45 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								
1,2-Dichloroethane	ND	0.00500								
1,2-Dichloropropane	ND	0.00500								
1,3,5-Trimethylbenzene	ND	0.00500								
1,3-Dichlorobenzene	ND	0.00500								
1,3-Dichloropropane	ND	0.00500								
1,4-Dichloro-2-butene	ND	0.00500								
1,4-Dichlorobenzene	ND	0.00500								
2,2-Dichloropropane	ND	0.00500								
2-Butanone	ND	0.0150								
2-Chloroethylvinylether	ND	0.0150								
2-Chlorotoluene	ND	0.00500								
2-Hexanone	ND	0.0150								
4-Chlorotoluene	ND	0.00500								
4-Isopropyltoluene	ND	0.00500								
4-Methyl-2-pentanone	ND	0.0150								
Acetone	ND	0.0500								
Acrylonitrile	ND	0.0100								

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Benzene	ND	0.00500				
Bromobenzene	ND	0.00500				
Bromochloromethane	ND	0.00500				
Bromodichloromethane	ND	0.00500				
Bromoform	ND	0.00500				
Bromomethane	ND	0.00500				
Carbon disulfide	ND	0.00500				
Carbon tetrachloride	ND	0.00500				
Chlorobenzene	ND	0.00500				
Chloroethane	ND	0.00500				
Chloroform	ND	0.00500				
Chloromethane	ND	0.00500				
cis-1,2-Dichloroethene	ND	0.00500				
cis-1,3-Dichloropropene	ND	0.00500				
Dibromochloromethane	ND	0.00500				
Dibromomethane	ND	0.00500				
Dichlorodifluoromethane	ND	0.00500				
Ethylbenzene	ND	0.00500				
Hexachlorobutadiene	ND	0.00500				
Iodomethane	ND	0.00500				
Isopropylbenzene	ND	0.00500				
m,p-Xylene	ND	0.00500				
Methyl tert-butyl ether	ND	0.00500				
Methylene chloride	ND	0.00500				
n-Butylbenzene	ND	0.00500				
n-Propylbenzene	ND	0.00500				
Naphthalene	ND	0.0150				
o-Xylene	ND	0.00500				
sec-Butylbenzene	ND	0.00500				
Styrene	ND	0.00500				
tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	50.3		50.00	101	78	125
Surr: 4-Bromofluorobenzene	50.3		50.00	101	85	120
Surr: Dibromofluoromethane	51.5		50.00	103	84	116
Surr: Toluene-d8	49.0		50.00	98.1	85	115

Sample ID:	1001149-51AMS	Batch ID:	39180	TestNo:	SW8260B	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS1_100125A	Analysis Date:	01/26/10 12:28 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0196	0.00464	0.0215	0	90.9	75	125			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,1,1-Trichloroethane	0.0209	0.00464	0.0215	0	97.2	70	130
1,1,2,2-Tetrachloroethane	0.0177	0.00464	0.0215	0	82.1	59	130
1,1,2-Trichloroethane	0.0195	0.00464	0.0215	0	90.5	62	125
1,1-Dichloroethane	0.0205	0.00464	0.0215	0	95.3	75	125
1,1-Dichloroethene	0.0211	0.00464	0.0215	0	97.8	65	135
1,1-Dichloropropene	0.0207	0.00464	0.0215	0	96.3	70	135
1,2,3-Trichlorobenzene	0.0175	0.00464	0.0215	0	81.2	62	133
1,2,3-Trichloropropane	0.0182	0.00464	0.0215	0	84.7	65	130
1,2,4-Trichlorobenzene	0.0183	0.00464	0.0215	0	84.9	65	130
1,2,4-Trimethylbenzene	0.0194	0.00464	0.0215	0	90.3	65	135
1,2-Dibromo-3-chloropropane	0.0169	0.00464	0.0215	0	78.7	49	135
1,2-Dibromoethane	0.0184	0.00464	0.0215	0	85.6	70	124
1,2-Dichlorobenzene	0.0192	0.00464	0.0215	0	89.4	75	120
1,2-Dichloroethane	0.0199	0.00464	0.0215	0	92.6	72	135
1,2-Dichloropropane	0.0205	0.00464	0.0215	0	95.3	71	120
1,3,5-Trimethylbenzene	0.0199	0.00464	0.0215	0	92.3	65	133
1,3-Dichlorobenzene	0.0195	0.00464	0.0215	0	90.6	72	124
1,3-Dichloropropane	0.0185	0.00464	0.0215	0	85.9	76	123
1,4-Dichloro-2-butene	0.0182	0.00464	0.0215	0	84.7	50	150
1,4-Dichlorobenzene	0.0194	0.00464	0.0215	0	90.0	72	125
2,2-Dichloropropane	0.0221	0.00464	0.0215	0	103	67	134
2-Butanone	0.0176	0.0139	0.0215	0	81.7	60	135
2-Chloroethylvinylether	0.0183	0.0139	0.0215	0	85.1	50	150
2-Chlorotoluene	0.0199	0.00464	0.0215	0	92.5	70	128
2-Hexanone	0.0158	0.0139	0.0215	0	73.5	50	145
4-Chlorotoluene	0.0199	0.00464	0.0215	0	92.3	75	125
4-Isopropyltoluene	0.0197	0.00464	0.0215	0	91.6	75	133
4-Methyl-2-pentanone	0.0164	0.0139	0.0215	0	76.0	60	135
Acetone	0.0213	0.0464	0.0215	0	99.0	40	141
Acrylonitrile	0.0395	0.00928	0.0430	0	91.7	40	160
Benzene	0.0204	0.00464	0.0215	0	94.9	75	125
Bromobenzene	0.0195	0.00464	0.0215	0	90.5	66	120
Bromochloromethane	0.0204	0.00464	0.0215	0	94.6	71	125
Bromodichloromethane	0.0204	0.00464	0.0215	0	94.8	72	128
Bromoform	0.0180	0.00464	0.0215	0	83.5	66	137
Bromomethane	0.0203	0.00464	0.0215	0	94.4	45	141
Carbon disulfide	0.0184	0.00464	0.0215	0	85.5	50	150
Carbon tetrachloride	0.0209	0.00464	0.0215	0	97.1	67	133
Chlorobenzene	0.0198	0.00464	0.0215	0	91.9	75	123
Chloroethane	0.0228	0.00464	0.0215	0	106	41	141
Chloroform	0.0208	0.00464	0.0215	0	96.7	72	124
Chloromethane	0.0210	0.00464	0.0215	0	97.5	51	129
cis-1,2-Dichloroethene	0.0205	0.00464	0.0215	0	95.1	67	125
cis-1,3-Dichloropropene	0.0202	0.00464	0.0215	0	93.9	72	125
Dibromochloromethane	0.0188	0.00464	0.0215	0	87.6	66	130
Dibromomethane	0.0196	0.00464	0.0215	0	91.1	75	128
Dichlorodifluoromethane	0.0206	0.00464	0.0215	0	95.6	80	121

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Ethylbenzene	0.0198	0.00464	0.0215	0	92.1	75	125
Hexachlorobutadiene	0.0186	0.00464	0.0215	0	86.6	55	140
Iodomethane	0.0202	0.00464	0.0215	0	93.7	50	150
Isopropylbenzene	0.0193	0.00464	0.0215	0	89.5	77	129
m,p-Xylene	0.0398	0.00464	0.0430	0	92.5	80	125
Methyl tert-butyl ether	0.0221	0.00464	0.0215	0	103	68	130
Methylene chloride	0.0216	0.00464	0.0215	0	100	63	137
n-Butylbenzene	0.0194	0.00464	0.0215	0	90.3	65	138
n-Propylbenzene	0.0201	0.00464	0.0215	0	93.4	65	135
Naphthalene	0.0166	0.0139	0.0215	0	77.2	51	125
o-Xylene	0.0195	0.00464	0.0215	0	90.4	77	125
sec-Butylbenzene	0.0198	0.00464	0.0215	0	91.9	65	130
Styrene	0.0189	0.00464	0.0215	0	87.6	75	125
tert-Butylbenzene	0.0197	0.00464	0.0215	0	91.8	65	130
Tetrachloroethene	0.0201	0.00464	0.0215	0	93.2	67	139
Toluene	0.0208	0.00464	0.0215	0	96.6	75	125
trans-1,2-Dichloroethene	0.0207	0.00464	0.0215	0	96.2	66	134
trans-1,3-Dichloropropene	0.0198	0.00464	0.0215	0	92.1	65	125
Trichloroethene	0.0211	0.00464	0.0215	0	97.9	77	124
Trichlorofluoromethane	0.0221	0.0139	0.0215	0	103	49	139
Vinyl chloride	0.0222	0.00464	0.0215	0	103	60	125
Surr: 1,2-Dichloroethane-d4	46.0		46.38		99.2	78	125
Surr: 4-Bromofluorobenzene	46.6		46.38		100	85	120
Surr: Dibromofluoromethane	45.7		46.38		98.5	84	116
Surr: Toluene-d8	45.8		46.38		98.7	85	115

Sample ID:	1001149-51AMSD	Batch ID:	39180	TestNo:	SW8260B	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GCMS1_100125A	Analysis Date:	01/26/10 01:00 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0202	0.00470	0.0218	0	92.6	75	125	3.14	30	
1,1,1-Trichloroethane	0.0208	0.00470	0.0218	0	95.6	70	130	0.307	30	
1,1,2,2-Tetrachloroethane	0.0188	0.00470	0.0218	0	86.3	59	130	6.22	30	
1,1,2-Trichloroethane	0.0204	0.00470	0.0218	0	93.6	62	125	4.58	30	
1,1-Dichloroethane	0.0208	0.00470	0.0218	0	95.6	75	125	1.66	30	
1,1-Dichloroethene	0.0208	0.00470	0.0218	0	95.6	65	135	1.10	30	
1,1-Dichloropropene	0.0206	0.00470	0.0218	0	94.5	70	135	0.640	30	
1,2,3-Trichlorobenzene	0.0190	0.00470	0.0218	0	87.2	62	133	8.42	30	
1,2,3-Trichloropropane	0.0195	0.00470	0.0218	0	89.7	65	130	6.99	30	
1,2,4-Trichlorobenzene	0.0192	0.00470	0.0218	0	88.1	65	130	4.94	30	
1,2,4-Trimethylbenzene	0.0203	0.00470	0.0218	0	93.3	65	135	4.45	30	
1,2-Dibromo-3-chloropropane	0.0181	0.00470	0.0218	0	83.0	49	135	6.59	30	
1,2-Dibromoethane	0.0195	0.00470	0.0218	0	89.7	70	124	5.93	30	
1,2-Dichlorobenzene	0.0199	0.00470	0.0218	0	91.2	75	120	3.22	30	
1,2-Dichloroethane	0.0203	0.00470	0.0218	0	93.1	72	135	1.72	30	
1,2-Dichloropropane	0.0208	0.00470	0.0218	0	95.6	71	120	1.57	30	
1,3,5-Trimethylbenzene	0.0207	0.00470	0.0218	0	95.0	65	133	4.07	30	
1,3-Dichlorobenzene	0.0203	0.00470	0.0218	0	93.2	72	124	4.12	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,3-Dichloropropane	0.0197	0.00470	0.0218	0	90.6	76	123	6.53	30
1,4-Dichloro-2-butene	0.0190	0.00470	0.0218	0	87.1	50	150	4.12	30
1,4-Dichlorobenzene	0.0202	0.00470	0.0218	0	92.9	72	125	4.37	30
2,2-Dichloropropane	0.0217	0.00470	0.0218	0	99.6	67	134	1.98	30
2-Butanone	0.0189	0.0141	0.0218	0	86.6	60	135	7.05	30
2-Chloroethylvinylether	0.0196	0.0141	0.0218	0	89.8	50	150	6.63	30
2-Chlorotoluene	0.0207	0.00470	0.0218	0	95.0	70	128	4.02	30
2-Hexanone	0.0173	0.0141	0.0218	0	79.5	50	145	9.08	30
4-Chlorotoluene	0.0204	0.00470	0.0218	0	93.6	75	125	2.65	30
4-Isopropyltoluene	0.0203	0.00470	0.0218	0	93.3	75	133	3.03	30
4-Methyl-2-pentanone	0.0178	0.0141	0.0218	0	81.8	60	135	8.52	30
Acetone	0.0229	0.0470	0.0218	0	105	40	141	7.17	30
Acrylonitrile	0.0413	0.00939	0.0436	0	94.7	40	160	4.47	30
Benzene	0.0206	0.00470	0.0218	0	94.3	75	125	0.620	30
Bromobenzene	0.0204	0.00470	0.0218	0	93.5	66	120	4.54	30
Bromochloromethane	0.0206	0.00470	0.0218	0	94.7	71	125	1.39	30
Bromodichloromethane	0.0206	0.00470	0.0218	0	94.4	72	128	0.848	30
Bromoform	0.0190	0.00470	0.0218	0	87.0	66	137	5.30	30
Bromomethane	0.0212	0.00470	0.0218	0	97.5	45	141	4.49	30
Carbon disulfide	0.0185	0.00470	0.0218	0	84.7	50	150	0.346	30
Carbon tetrachloride	0.0211	0.00470	0.0218	0	97.0	67	133	1.21	30
Chlorobenzene	0.0203	0.00470	0.0218	0	93.3	75	123	2.79	30
Chloroethane	0.0229	0.00470	0.0218	0	105	41	141	0.481	30
Chloroform	0.0212	0.00470	0.0218	0	97.1	72	124	1.66	30
Chloromethane	0.0211	0.00470	0.0218	0	96.9	51	129	0.637	30
cis-1,2-Dichloroethene	0.0208	0.00470	0.0218	0	95.6	67	125	1.80	30
cis-1,3-Dichloropropene	0.0206	0.00470	0.0218	0	94.7	72	125	2.13	30
Dibromochloromethane	0.0198	0.00470	0.0218	0	90.6	66	130	4.69	30
Dibromomethane	0.0203	0.00470	0.0218	0	93.0	75	128	3.32	30
Dichlorodifluoromethane	0.0205	0.00470	0.0218	0	94.0	80	121	0.515	30
Ethylbenzene	0.0203	0.00470	0.0218	0	93.4	75	125	2.65	30
Hexachlorobutadiene	0.0190	0.00470	0.0218	0	87.2	55	140	2.00	30
Iodomethane	0.0209	0.00470	0.0218	0	95.7	50	150	3.40	30
Isopropylbenzene	0.0198	0.00470	0.0218	0	91.0	77	129	2.93	30
m,p-Xylene	0.0407	0.00470	0.0436	0	93.4	80	125	2.30	30
Methyl tert-butyl ether	0.0230	0.00470	0.0218	0	105	68	130	3.78	30
Methylene chloride	0.0220	0.00470	0.0218	0	101	63	137	1.90	30
n-Butylbenzene	0.0204	0.00470	0.0218	0	93.5	65	138	4.73	30
n-Propylbenzene	0.0206	0.00470	0.0218	0	94.4	65	135	2.27	30
Naphthalene	0.0184	0.0141	0.0218	0	84.5	51	125	10.3	30
o-Xylene	0.0202	0.00470	0.0218	0	92.8	77	125	3.89	30
sec-Butylbenzene	0.0204	0.00470	0.0218	0	93.5	65	130	2.98	30
Styrene	0.0197	0.00470	0.0218	0	90.4	75	125	4.40	30
tert-Butylbenzene	0.0203	0.00470	0.0218	0	93.3	65	130	2.89	30
Tetrachloroethene	0.0207	0.00470	0.0218	0	94.8	67	139	2.91	30
Toluene	0.0207	0.00470	0.0218	0	95.1	75	125	0.271	30
trans-1,2-Dichloroethene	0.0205	0.00470	0.0218	0	94.2	66	134	0.870	30

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

trans-1,3-Dichloropropene	0.0202	0.00470	0.0218	0	92.9	65	125	2.14	30
Trichloroethene	0.0212	0.00470	0.0218	0	97.2	77	124	0.506	30
Trichlorofluoromethane	0.0216	0.0141	0.0218	0	99.1	49	139	2.29	30
Vinyl chloride	0.0224	0.00470	0.0218	0	103	60	125	0.630	30
Surr: 1,2-Dichloroethane-d4	46.9		46.96		100	78	125	0	0
Surr: 4-Bromofluorobenzene	47.4		46.96		101	85	120	0	0
Surr: Dibromofluoromethane	46.9		46.96		99.9	84	116	0	0
Surr: Toluene-d8	46.7		46.96		99.5	85	115	0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

Sample ID:	ICV-100125	Batch ID:	R47493		TestNo:		SW8260B		Units:		mg/Kg
SampType:	ICV	Run ID:	GCMS1_100125A		Analysis Date:		01/25/10 11:44 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		0.0469	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane		0.0469	0.00500	0.0464	0	101	80	120			
1,1,2,2-Tetrachloroethane		0.0454	0.00500	0.0464	0	97.9	80	120			
1,1,2-Trichloroethane		0.0488	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethane		0.0469	0.00500	0.0464	0	101	80	120			
1,1-Dichloroethene		0.0481	0.00500	0.0464	0	104	80	120			
1,1-Dichloropropene		0.0476	0.00500	0.0464	0	103	80	120			
1,2,3-Trichlorobenzene		0.0503	0.00500	0.0464	0	108	80	120			
1,2,3-Trichloropropane		0.0477	0.00500	0.0464	0	103	80	120			
1,2,4-Trichlorobenzene		0.0501	0.00500	0.0464	0	108	80	120			
1,2,4-Trimethylbenzene		0.0477	0.00500	0.0464	0	103	80	120			
1,2-Dibromo-3-chloropropane		0.0484	0.00500	0.0464	0	104	80	120			
1,2-Dibromoethane		0.0468	0.00500	0.0464	0	101	80	120			
1,2-Dichlorobenzene		0.0478	0.00500	0.0464	0	103	80	120			
1,2-Dichloroethane		0.0469	0.00500	0.0464	0	101	80	120			
1,2-Dichloropropane		0.0476	0.00500	0.0464	0	103	80	120			
1,3,5-Trimethylbenzene		0.0479	0.00500	0.0464	0	103	80	120			
1,3-Dicblorobenzene		0.0478	0.00500	0.0464	0	103	80	120			
1,3-Dichloropropane		0.0464	0.00500	0.0464	0	99.9	80	120			
1,4-Dichloro-2-butene		0.0486	0.00500	0.0464	0	105	80	120			
1,4-Dichlorobenzene		0.0477	0.00500	0.0464	0	103	80	120			
2,2-Dichloropropane		0.0490	0.00500	0.0464	0	106	80	120			
2-Butanone		0.0494	0.0150	0.0464	0	106	80	120			
2-Chloroethylvinylether		0.0467	0.0150	0.0464	0	101	80	120			
2-Chlorotoluene		0.0476	0.00500	0.0464	0	103	80	120			
2-Hexanone		0.0466	0.0150	0.0464	0	100	80	120			
4-Chlorotoluene		0.0471	0.00500	0.0464	0	101	80	120			
4-Isopropyltoluene		0.0479	0.00500	0.0464	0	103	80	120			
4-Methyl-2-pentanone		0.0481	0.0150	0.0464	0	104	80	120			
Acetone		0.0543	0.0500	0.0464	0	117	80	120			
Acrylonitrile		0.0987	0.0100	0.0928	0	106	80	120			
Benzene		0.0472	0.00500	0.0464	0	102	80	120			
Bromobenzene		0.0479	0.00500	0.0464	0	103	80	120			
Bromochloromethane		0.0481	0.00500	0.0464	0	104	80	120			
Bromodichloromethane		0.0481	0.00500	0.0464	0	104	80	120			
Bromoform		0.0477	0.00500	0.0464	0	103	80	120			
Bromomethane		0.0464	0.00500	0.0464	0	100	80	120			
Carbon disulfide		0.0425	0.00500	0.0464	0	91.6	80	120			
Carbon tetrachloride		0.0471	0.00500	0.0464	0	102	80	120			
Chlorobenzene		0.0469	0.00500	0.0464	0	101	80	120			
Chloroethane		0.0466	0.00500	0.0464	0	100	80	120			
Chloroform		0.0459	0.00500	0.0464	0	98.9	80	120			
Chloromethane		0.0473	0.00500	0.0464	0	102	80	120			
cis-1,2-Dichloroethene		0.0477	0.00500	0.0464	0	103	80	120			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

cis-1,3-Dichloropropene	0.0481	0.00500	0.0464	0	104	80	120
Dibromochloromethane	0.0474	0.00500	0.0464	0	102	80	120
Dibromomethane	0.0483	0.00500	0.0464	0	104	80	120
Dichlorodifluoromethane	0.0456	0.00500	0.0464	0	98.2	80	120
Ethylbenzene	0.0471	0.00500	0.0464	0	101	80	120
Hexachlorobutadiene	0.0490	0.00500	0.0464	0	105	80	120
Iodomethane	0.0464	0.00500	0.0464	0	100	80	120
Isopropylbenzene	0.0464	0.00500	0.0464	0	100	80	120
m,p-Xylene	0.0950	0.00500	0.0928	0	102	80	120
Methyl tert-butyl ether	0.0541	0.00500	0.0464	0	117	80	120
Methylene chloride	0.0495	0.00500	0.0464	0	107	80	120
n-Butylbenzene	0.0477	0.00500	0.0464	0	103	80	120
n-Propylbenzene	0.0477	0.00500	0.0464	0	103	80	120
Naphthalene	0.0505	0.0150	0.0464	0	109	80	120
o-Xylene	0.0470	0.00500	0.0464	0	101	80	120
sec-Butylbenzene	0.0476	0.00500	0.0464	0	103	80	120
Styrene	0.0470	0.00500	0.0464	0	101	80	120
tert-Butylbenzene	0.0473	0.00500	0.0464	0	102	80	120
Tetrachloroethene	0.0476	0.00500	0.0464	0	103	80	120
Toluene	0.0477	0.00500	0.0464	0	103	80	120
trans-1,2-Dichloroethene	0.0474	0.00500	0.0464	0	102	80	120
trans-1,3-Dichloropropene	0.0482	0.00500	0.0464	0	104	80	120
Trichloroethene	0.0494	0.00500	0.0464	0	106	80	120
Trichlorofluoromethane	0.0472	0.0150	0.0464	0	102	80	120
Vinyl chloride	0.0478	0.00500	0.0464	0	103	80	120
Surr: 1,2-Dichloroethane-d4	52.1		50.00		104	78	125
Surr: 4-Bromofluorobenzene	50.1		50.00		100	85	120
Surr: Dibromofluoromethane	50.5		50.00		101	84	116
Surr: Toluene-d8	49.3		50.00		98.6	85	115

Sample ID:	ICV-100126	Batch ID:	R47493	TestNo:	SW8260B	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS1_100125A	Analysis Date:	01/26/10 09:40 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0470	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0488	0.00500	0.0464	0	105	80	120			
1,1,2,2-Tetrachloroethane	0.0448	0.00500	0.0464	0	96.5	80	120			
1,1,2-Trichloroethane	0.0488	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethane	0.0475	0.00500	0.0464	0	102	80	120			
1,1-Dichloroethene	0.0471	0.00500	0.0464	0	102	80	120			
1,1-Dichloropropene	0.0475	0.00500	0.0464	0	102	80	120			
1,2,3-Trichlorobenzene	0.0463	0.00500	0.0464	0	99.8	80	120			
1,2,3-Trichloropropane	0.0472	0.00500	0.0464	0	102	80	120			
1,2,4-Trichlorobenzene	0.0465	0.00500	0.0464	0	100	80	120			
1,2,4-Trimethylbenzene	0.0459	0.00500	0.0464	0	99.0	80	120			
1,2-Dibromo-3-chloropropane	0.0475	0.00500	0.0464	0	102	80	120			
1,2-Dibromoethane	0.0470	0.00500	0.0464	0	101	80	120			
1,2-Dichlorobenzene	0.0458	0.00500	0.0464	0	98.6	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

1,2-Dichloroethane	0.0491	0.00500	0.0464	0	106	80	120	
1,2-Dichloropropane	0.0486	0.00500	0.0464	0	105	80	120	
1,3,5-Trimethylbenzene	0.0462	0.00500	0.0464	0	99.6	80	120	
1,3-Dichlorobenzene	0.0456	0.00500	0.0464	0	98.3	80	120	
1,3-Dichloropropane	0.0464	0.00500	0.0464	0	100	80	120	
1,4-Dichloro-2-butene	0.0495	0.00500	0.0464	0	107	80	120	
1,4-Dichlorobenzene	0.0458	0.00500	0.0464	0	98.8	80	120	
2,2-Dichloropropane	0.0505	0.00500	0.0464	0	109	80	120	
2-Butanone	0.0491	0.0150	0.0464	0	106	80	120	
2-Chloroethylvinylether	0.0482	0.0150	0.0464	0	104	80	120	
2-Chlorotoluene	0.0459	0.00500	0.0464	0	98.9	80	120	
2-Hexanone	0.0448	0.0150	0.0464	0	96.6	80	120	
4-Chlorotoluene	0.0455	0.00500	0.0464	0	98.1	80	120	
4-Isopropyltoluene	0.0459	0.00500	0.0464	0	98.9	80	120	
4-Methyl-2-pentanone	0.0460	0.0150	0.0464	0	99.2	80	120	
Acetone	0.0574	0.0500	0.0464	0	124	80	120	S
Acrylonitrile	0.0987	0.0100	0.0928	0	106	80	120	
Benzene	0.0477	0.00500	0.0464	0	103	80	120	
Bromobenzene	0.0461	0.00500	0.0464	0	99.3	80	120	
Bromochloromethane	0.0492	0.00500	0.0464	0	106	80	120	
Bromodichloromethane	0.0492	0.00500	0.0464	0	106	80	120	
Bromoform	0.0471	0.00500	0.0464	0	101	80	120	
Bromomethane	0.0447	0.00500	0.0464	0	96.4	80	120	
Carbon disulfide	0.0417	0.00500	0.0464	0	89.8	80	120	
Carbon tetrachloride	0.0492	0.00500	0.0464	0	106	80	120	
Chlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120	
Chloroethane	0.0488	0.00500	0.0464	0	105	80	120	
Chloroform	0.0482	0.00500	0.0464	0	104	80	120	
Chloromethane	0.0479	0.00500	0.0464	0	103	80	120	
cis-1,2-Dichloroethene	0.0472	0.00500	0.0464	0	102	80	120	
cis-1,3-Dichloropropene	0.0490	0.00500	0.0464	0	106	80	120	
Dibromochloromethane	0.0473	0.00500	0.0464	0	102	80	120	
Dibromomethane	0.0488	0.00500	0.0464	0	105	80	120	
Dichlorodifluoromethane	0.0478	0.00500	0.0464	0	103	80	120	
Ethylbenzene	0.0460	0.00500	0.0464	0	99.2	80	120	
Hexachlorobutadiene	0.0457	0.00500	0.0464	0	98.5	80	120	
Iodomethane	0.0473	0.00500	0.0464	0	102	80	120	
Isopropylbenzene	0.0452	0.00500	0.0464	0	97.4	80	120	
m,p-Xylene	0.0922	0.00500	0.0928	0	99.4	80	120	
Methyl tert-butyl ether	0.0552	0.00500	0.0464	0	119	80	120	
Methylene chloride	0.0506	0.00500	0.0464	0	109	80	120	
n-Butylbenzene	0.0463	0.00500	0.0464	0	99.7	80	120	
n-Propylbenzene	0.0460	0.00500	0.0464	0	99.0	80	120	
Naphthalene	0.0463	0.0150	0.0464	0	99.8	80	120	
o-Xylene	0.0462	0.00500	0.0464	0	99.7	80	120	
sec-Butylbenzene	0.0457	0.00500	0.0464	0	98.4	80	120	
Styrene	0.0455	0.00500	0.0464	0	98.1	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_100125A

tert-Butylbenzene	0.0457	0.00500	0.0464	0	98.4	80	120
Tetrachloroethene	0.0467	0.00500	0.0464	0	101	80	120
Toluene	0.0478	0.00500	0.0464	0	103	80	120
trans-1,2-Dichloroethene	0.0476	0.00500	0.0464	0	103	80	120
trans-1,3-Dichloropropene	0.0497	0.00500	0.0464	0	107	80	120
Trichloroethene	0.0495	0.00500	0.0464	0	107	80	120
Trichlorofluoromethane	0.0500	0.0150	0.0464	0	108	80	120
Vinyl chloride	0.0500	0.00500	0.0464	0	108	80	120
Surr: 1,2-Dichloroethane-d4	53.9		50.00		108	78	125
Surr: 4-Bromofluorobenzene	49.8		50.00		99.7	85	120
Surr: Dibromofluoromethane	50.6		50.00		101	84	116
Surr: Toluene-d8	48.5		50.00		97.0	85	115

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Sample ID:	LCS-39179	Batch ID:	39179	TestNo:		SW8260B		Units:	mg/Kg
SampType:	LCS	Run ID:	GCMS2_100125A	Analysis Date:		01/25/10 12:42 PM		Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0237	0.00500	0.0232	0	102	75	125			
1,1,1-Trichloroethane	0.0245	0.00500	0.0232	0	106	70	130			
1,1,2,2-Tetrachloroethane	0.0248	0.00500	0.0232	0	107	59	130			
1,1,2-Trichloroethane	0.0247	0.00500	0.0232	0	107	62	125			
1,1-Dichloroethane	0.0244	0.00500	0.0232	0	105	75	125			
1,1-Dichloroethene	0.0252	0.00500	0.0232	0	108	65	135			
1,1-Dichloropropene	0.0251	0.00500	0.0232	0	108	70	135			
1,2,3-Trichlorobenzene	0.0259	0.00500	0.0232	0	112	62	133			
1,2,3-Trichloropropane	0.0256	0.00500	0.0232	0	110	65	130			
1,2,4-Trichlorobenzene	0.0248	0.00500	0.0232	0	107	65	130			
1,2,4-Trimethylbenzene	0.0245	0.00500	0.0232	0	106	65	135			
1,2-Dibromo-3-chloropropane	0.0255	0.00500	0.0232	0	110	49	135			
1,2-Dibromoethane	0.0236	0.00500	0.0232	0	102	70	124			
1,2-Dichlorobenzene	0.0242	0.00500	0.0232	0	105	75	120			
1,2-Dichloroethane	0.0246	0.00500	0.0232	0	106	72	135			
1,2-Dichloropropane	0.0244	0.00500	0.0232	0	105	71	120			
1,3,5-Trimethylbenzene	0.0246	0.00500	0.0232	0	106	65	133			
1,3-Dichlorobenzene	0.0242	0.00500	0.0232	0	104	72	124			
1,3-Dichloropropane	0.0237	0.00500	0.0232	0	102	76	123			
1,4-Dichloro-2-butene	0.0258	0.00500	0.0232	0	111	50	150			
1,4-Dichlorobenzene	0.0245	0.00500	0.0232	0	106	72	125			
2,2-Dichloropropane	0.0254	0.00500	0.0232	0	109	67	134			
2-Butanone	0.0268	0.0150	0.0232	0	116	60	135			
2-Chloroethylvinylether	0.0243	0.0150	0.0232	0	105	50	150			
2-Chlorotoluene	0.0242	0.00500	0.0232	0	104	70	128			
2-Hexanone	0.0256	0.0150	0.0232	0	110	50	145			
4-Chlorotoluene	0.0239	0.00500	0.0232	0	103	75	125			
4-Isopropyltoluene	0.0246	0.00500	0.0232	0	106	75	133			
4-Methyl-2-pentanone	0.0261	0.0150	0.0232	0	113	60	135			
Acetone	0.0301	0.0500	0.0232	0	130	40	141			
Acrylonitrile	0.0524	0.0100	0.0464	0	113	40	160			
Benzene	0.0246	0.00500	0.0232	0	106	75	125			
Bromobenzene	0.0245	0.00500	0.0232	0	106	66	120			
Bromochloromethane	0.0249	0.00500	0.0232	0	107	71	125			
Bromodichloromethane	0.0243	0.00500	0.0232	0	105	72	128			
Bromoform	0.0236	0.00500	0.0232	0	102	66	137			
Bromomethane	0.0232	0.00500	0.0232	0	100	45	141			
Carbon disulfide	0.0221	0.00500	0.0232	0	95.4	50	150			
Carbon tetrachloride	0.0244	0.00500	0.0232	0	105	67	133			
Chlorobenzene	0.0242	0.00500	0.0232	0	104	75	123			
Chloroethane	0.0252	0.00500	0.0232	0	108	41	141			
Chloroform	0.0247	0.00500	0.0232	0	106	72	124			
Chloromethane	0.0248	0.00500	0.0232	0	107	51	129			
cis-1,2-Dichloroethene	0.0245	0.00500	0.0232	0	106	67	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

cis-1,3-Dichloropropene	0.0245	0.00500	0.0232	0	106	72	125
Dibromochloromethane	0.0231	0.00500	0.0232	0	99.7	66	130
Dibromomethane	0.0252	0.00500	0.0232	0	109	75	128
Dichlorodifluoromethane	0.0252	0.00500	0.0232	0	109	80	121
Ethylbenzene	0.0245	0.00500	0.0232	0	105	75	125
Hexachlorobutadiene	0.0243	0.00500	0.0232	0	105	55	140
Iodomethane	0.0249	0.00500	0.0232	0	107	50	150
Isopropylbenzene	0.0239	0.00500	0.0232	0	103	77	129
m,p-Xylene	0.0489	0.00500	0.0464	0	105	80	125
Methyl tert-butyl ether	0.0289	0.00500	0.0232	0	125	68	130
Methylene chloride	0.0261	0.00500	0.0232	0	112	63	137
n-Butylbenzene	0.0246	0.00500	0.0232	0	106	65	138
n-Propylbenzene	0.0246	0.00500	0.0232	0	106	65	135
Naphthalene	0.0268	0.0150	0.0232	0	115	51	125
o-Xylene	0.0236	0.00500	0.0232	0	102	77	125
sec-Butylbenzene	0.0247	0.00500	0.0232	0	106	65	130
Styrene	0.0230	0.00500	0.0232	0	99.4	75	125
tert-Butylbenzene	0.0243	0.00500	0.0232	0	105	65	130
Tetrachloroethene	0.0245	0.00500	0.0232	0	106	67	139
Toluene	0.0247	0.00500	0.0232	0	106	75	125
trans-1,2-Dichloroethene	0.0246	0.00500	0.0232	0	106	66	134
trans-1,3-Dichloropropene	0.0250	0.00500	0.0232	0	108	65	125
Trichloroethene	0.0257	0.00500	0.0232	0	111	77	124
Trichlorofluoromethane	0.0248	0.0150	0.0232	0	107	49	139
Vinyl chloride	0.0254	0.00500	0.0232	0	109	60	125
Surr: 1,2-Dichloroethane-d4	52.8		50.00		106	78	125
Surr: 4-Bromofluorobenzene	48.9		50.00		97.9	85	120
Surr: Dibromofluoromethane	50.7		50.00		101	84	116
Surr: Toluene-d8	47.3		50.00		94.5	85	115

Sample ID:	MB-39179	Batch ID:	39179	TestNo:	SW8260B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS2_100125A	Analysis Date:	01/25/10 01:45 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,2-Dichloroethane	ND	0.00500
1,2-Dichloropropane	ND	0.00500
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00500
1,3-Dichloropropane	ND	0.00500
1,4-Dichloro-2-butene	ND	0.00500
1,4-Dichlorobenzene	ND	0.00500
2,2-Dichloropropane	ND	0.00500
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00500
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00500
4-Isopropyltoluene	ND	0.00500
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0500
Acrylonitrile	ND	0.0100
Benzene	ND	0.00500
Bromobenzene	ND	0.00500
Bromochloromethane	ND	0.00500
Bromodichloromethane	ND	0.00500
Bromoform	ND	0.00500
Bromomethane	ND	0.00500
Carbon disulfide	ND	0.00500
Carbon tetrachloride	ND	0.00500
Chlorobenzene	ND	0.00500
Chloroethane	ND	0.00500
Chloroform	ND	0.00500
Chloromethane	ND	0.00500
cis-1,2-Dichloroethene	ND	0.00500
cis-1,3-Dichloropropene	ND	0.00500
Dibromochloromethane	ND	0.00500
Dibromomethane	ND	0.00500
Dichlorodifluoromethane	ND	0.00500
Ethylbenzene	ND	0.00500
Hexachlorobutadiene	ND	0.00500
Iodomethane	ND	0.00500
Isopropylbenzene	ND	0.00500
m,p-Xylene	ND	0.00500
Methyl tert-butyl ether	ND	0.00500
Methylene chloride	ND	0.00500
n-Butylbenzene	ND	0.00500
n-Propylbenzene	ND	0.00500
Naphthalene	ND	0.0150
o-Xylene	ND	0.00500
sec-Butylbenzene	ND	0.00500
Styrene	ND	0.00500

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

tert-Butylbenzene	ND	0.00500				
Tetrachloroethene	ND	0.00500				
Toluene	ND	0.00500				
trans-1,2-Dichloroethene	ND	0.00500				
trans-1,3-Dichloropropene	ND	0.00500				
Trichloroethene	ND	0.00500				
Trichlorofluoromethane	ND	0.0150				
Vinyl chloride	ND	0.00500				
Surr: 1,2-Dichloroethane-d4	49.7		50.00	99.3	78	125
Surr: 4-Bromofluorobenzene	48.4		50.00	96.7	85	120
Surr: Dibromofluoromethane	50.2		50.00	100	84	116
Surr: Toluene-d8	47.4		50.00	94.8	85	115

Sample ID:	SYS BL-39179	Batch ID:	39179	TestNo:	SW8260B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GCMS2_100125A	Analysis Date:	01/26/10 11:13 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00500								
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethene	ND	0.00500								
1,1-Dichloropropene	ND	0.00500								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00500								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00500								
1,2-Dichlorobenzene	ND	0.00500								
1,2-Dichloroethane	ND	0.00500								
1,2-Dichloropropane	ND	0.00500								
1,3,5-Trimethylbenzene	ND	0.00500								
1,3-Dichlorobenzene	ND	0.00500								
1,3-Dichloropropane	ND	0.00500								
1,4-Dichloro-2-butene	ND	0.00500								
1,4-Dichlorobenzene	ND	0.00500								
2,2-Dichloropropane	ND	0.00500								
2-Butanone	ND	0.0150								
2-Chloroethylvinylether	ND	0.0150								
2-Chlorotoluene	ND	0.00500								
2-Hexanone	ND	0.0150								
4-Chlorotoluene	ND	0.00500								
4-Isopropyltoluene	ND	0.00500								
4-Methyl-2-pentanone	ND	0.0150								
Acetone	ND	0.0500								
Acrylonitrile	ND	0.0100								

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Benzene	ND	0.00500
Bromobenzene	ND	0.00500
Bromochloromethane	ND	0.00500
Bromodichloromethane	ND	0.00500
Bromoform	ND	0.00500
Bromomethane	ND	0.00500
Carbon disulfide	ND	0.00500
Carbon tetrachloride	ND	0.00500
Chlorobenzene	ND	0.00500
Chloroethane	ND	0.00500
Chloroform	ND	0.00500
Chloromethane	ND	0.00500
cis-1,2-Dichloroethene	ND	0.00500
cis-1,3-Dichloropropene	ND	0.00500
Dibromochloromethane	ND	0.00500
Dibromomethane	ND	0.00500
Dichlorodifluoromethane	ND	0.00500
Ethylbenzene	ND	0.00500
Hexachlorobutadiene	ND	0.00500
Iodomethane	ND	0.00500
Isopropylbenzene	ND	0.00500
m,p-Xylene	ND	0.00500
Methyl tert-butyl ether	ND	0.00500
Methylene chloride	ND	0.00500
n-Butylbenzene	ND	0.00500
n-Propylbenzene	ND	0.00500
Naphthalene	ND	0.0150
o-Xylene	ND	0.00500
sec-Butylbenzene	ND	0.00500
Styrene	ND	0.00500
tert-Butylbenzene	ND	0.00500
Tetrachloroethene	ND	0.00500
Toluene	ND	0.00500
trans-1,2-Dichloroethene	ND	0.00500
trans-1,3-Dichloropropene	ND	0.00500
Trichloroethene	ND	0.00500
Trichlorofluoromethane	ND	0.0150
Vinyl chloride	ND	0.00500

Surr: 1,2-Dichloroethane-d4	49.7	50.00	99.4	78	125
Surr: 4-Bromofluorobenzene	49.9	50.00	99.8	85	120
Surr: Dibromofluoromethane	50.5	50.00	101	84	116
Surr: Toluene-d8	47.6	50.00	95.2	85	115

Sample ID:	1001149-14AMS	Batch ID:	39179	TestNo:	SW8260B	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GCMS2_100125A	Analysis Date:	01/26/10 12:54 PM	Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0185	0.00510	0.0237	0	78.2	75	125			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,1,1-Trichloroethane	0.0202	0.00510	0.0237	0	85.2	70	130	
1,1,2,2-Tetrachloroethane	0.0208	0.00510	0.0237	0	87.8	59	130	
1,1,2-Trichloroethane	0.0199	0.00510	0.0237	0	84.0	62	125	
1,1-Dichloroethane	0.0214	0.00510	0.0237	0	90.4	75	125	
1,1-Dichloroethene	0.0217	0.00510	0.0237	0	91.6	65	135	
1,1-Dichloropropene	0.0199	0.00510	0.0237	0	84.1	70	135	
1,2,3-Trichlorobenzene	0.00895	0.00510	0.0237	0	37.8	62	133	S
1,2,3-Trichloropropane	0.0213	0.00510	0.0237	0	89.9	65	130	
1,2,4-Trichlorobenzene	0.00963	0.00510	0.0237	0	40.7	65	130	S
1,2,4-Trimethylbenzene	0.0151	0.00510	0.0237	0	63.9	65	135	S
1,2-Dibromo-3-chloropropane	0.0194	0.00510	0.0237	0	82.1	49	135	
1,2-Dibromoethane	0.0193	0.00510	0.0237	0	81.5	70	124	
1,2-Dichlorobenzene	0.0152	0.00510	0.0237	0	64.1	75	120	S
1,2-Dichloroethane	0.0207	0.00510	0.0237	0	87.6	72	135	
1,2-Dichloropropane	0.0209	0.00510	0.0237	0	88.4	71	120	
1,3,5-Trimethylbenzene	0.0150	0.00510	0.0237	0	63.3	65	133	S
1,3-Dichlorobenzene	0.0149	0.00510	0.0237	0	63.0	72	124	S
1,3-Dichloropropane	0.0196	0.00510	0.0237	0	82.8	76	123	
1,4-Dichloro-2-butene	0.0208	0.00510	0.0237	0	88.1	50	150	
1,4-Dichlorobenzene	0.0158	0.00510	0.0237	0	66.6	72	125	S
2,2-Dichloropropane	0.0218	0.00510	0.0237	0	92.1	67	134	
2-Butanone	0.0184	0.0153	0.0237	0	77.8	60	135	
2-Chloroethylvinylether	0.0192	0.0153	0.0237	0	81.3	50	150	
2-Chlorotoluene	0.0162	0.00510	0.0237	0	68.4	70	128	S
2-Hexanone	0.0189	0.0153	0.0237	0	79.7	50	145	
4-Chlorotoluene	0.0166	0.00510	0.0237	0	69.9	75	125	S
4-Isopropyltoluene	0.0122	0.00510	0.0237	0	51.6	75	133	S
4-Methyl-2-pentanone	0.0196	0.0153	0.0237	0	82.9	60	135	
Acetone	0.0233	0.0510	0.0237	0	98.3	40	141	
Acrylonitrile	0.0433	0.0102	0.0473	0	91.4	40	160	
Benzene	0.0209	0.00510	0.0237	0	88.4	75	125	
Bromobenzene	0.0192	0.00510	0.0237	0	80.9	66	120	
Bromochloromethane	0.0215	0.00510	0.0237	0	91.0	71	125	
Bromodichloromethane	0.0201	0.00510	0.0237	0	84.8	72	128	
Bromoform	0.0176	0.00510	0.0237	0	74.4	66	137	
Bromomethane	0.0225	0.00510	0.0237	0	95.0	45	141	
Carbon disulfide	0.0185	0.00510	0.0237	0	78.1	50	150	
Carbon tetrachloride	0.0191	0.00510	0.0237	0	80.5	67	133	
Chlorobenzene	0.0185	0.00510	0.0237	0	78.1	75	123	
Chloroethane	0.0238	0.00510	0.0237	0	100	41	141	
Chloroform	0.0214	0.00510	0.0237	0	90.3	72	124	
Chloromethane	0.0219	0.00510	0.0237	0	92.7	51	129	
cis-1,2-Dichloroethene	0.0215	0.00510	0.0237	0	90.9	67	125	
cis-1,3-Dichloropropene	0.0205	0.00510	0.0237	0	86.8	72	125	
Dibromochloromethane	0.0187	0.00510	0.0237	0	78.8	66	130	
Dibromomethane	0.0208	0.00510	0.0237	0	88.1	75	128	
Dichlorodifluoromethane	0.0215	0.00510	0.0237	0	90.8	80	121	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Ethylbenzene	0.0171	0.00510	0.0237	0	72.1	75	125	S
Hexachlorobutadiene	0.00536	0.00510	0.0237	0	22.6	55	140	S
Iodomethane	0.0216	0.00510	0.0237	0	91.2	50	150	
Isopropylbenzene	0.0141	0.00510	0.0237	0	59.4	77	129	S
m,p-Xylene	0.0341	0.00510	0.0473	0	72.1	80	125	S
Methyl tert-butyl ether	0.0237	0.00510	0.0237	0	100	68	130	
Methylene chloride	0.0221	0.00510	0.0237	0	93.4	63	137	
n-Butylbenzene	0.0108	0.00510	0.0237	0	45.6	65	138	S
n-Propylbenzene	0.0149	0.00510	0.0237	0	63.1	65	135	S
Naphthalene	0.0141	0.0153	0.0237	0	59.4	51	125	
o-Xylene	0.0165	0.00510	0.0237	0	69.9	77	125	S
sec-Butylbenzene	0.0122	0.00510	0.0237	0	51.5	65	130	S
Styrene	0.0164	0.00510	0.0237	0	69.3	75	125	S
tert-Butylbenzene	0.0135	0.00510	0.0237	0	57.1	65	130	S
Tetrachloroethene	0.0161	0.00510	0.0237	0	68.2	67	139	
Toluene	0.0198	0.00510	0.0237	0	83.6	75	125	
trans-1,2-Dichloroethene	0.0215	0.00510	0.0237	0	90.6	66	134	
trans-1,3-Dichloropropene	0.0205	0.00510	0.0237	0	86.7	65	125	
Trichloroethene	0.0204	0.00510	0.0237	0	86.1	77	124	
Trichlorofluoromethane	0.0218	0.0153	0.0237	0	92.2	49	139	
Vinyl chloride	0.0229	0.00510	0.0237	0	96.6	60	125	
Surr: 1,2-Dichloroethane-d4	52.5		51.02		103	78	125	
Surr: 4-Bromofluorobenzene	54.2		51.02		106	85	120	
Surr: Dibromofluoromethane	51.7		51.02		101	84	116	
Surr: Toluene-d8	49.7		51.02		97.5	85	115	

Sample ID:	1001149-14AMSD	Batch ID:	39179	TestNo:	SW8260B			Units:	mg/Kg-dry	
SampType:	MSD	Run ID:	GCMS2_100125A	Analysis Date:	01/26/10 04:19 PM			Prep Date:	01/25/10	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		0.0190	0.00522	0.0242	0	78.4	75	125	2.60	30	
1,1,1-Trichloroethane		0.0208	0.00522	0.0242	0	85.7	70	130	2.98	30	
1,1,2,2-Tetrachloroethane		0.0211	0.00522	0.0242	0	87.1	59	130	1.43	30	
1,1,2-Trichloroethane		0.0218	0.00522	0.0242	0	90.0	62	125	9.21	30	
1,1-Dichloroethane		0.0213	0.00522	0.0242	0	87.9	75	125	0.484	30	
1,1-Dichloroethene		0.0216	0.00522	0.0242	0	89.2	65	135	0.348	30	
1,1-Dichloropropene		0.0205	0.00522	0.0242	0	84.7	70	135	3.09	30	
1,2,3-Trichlorobenzene		0.0124	0.00522	0.0242	0	51.0	62	133	32.1	30	SR
1,2,3-Trichloropropane		0.0224	0.00522	0.0242	0	92.5	65	130	5.11	30	
1,2,4-Trichlorobenzene		0.0128	0.00522	0.0242	0	52.9	65	130	28.4	30	S
1,2,4-Trimethylbenzene		0.0168	0.00522	0.0242	0	69.3	65	135	10.4	30	
1,2-Dibromo-3-chloropropane		0.0201	0.00522	0.0242	0	83.1	49	135	3.63	30	
1,2-Dibromoethane		0.0201	0.00522	0.0242	0	83.1	70	124	4.26	30	
1,2-Dichlorobenzene		0.0172	0.00522	0.0242	0	70.9	75	120	12.3	30	S
1,2-Dichloroethane		0.0219	0.00522	0.0242	0	90.3	72	135	5.37	30	
1,2-Dichloropropane		0.0213	0.00522	0.0242	0	87.8	71	120	1.64	30	
1,3,5-Trimethylbenzene		0.0164	0.00522	0.0242	0	67.9	65	133	9.28	30	
1,3-Dichlorobenzene		0.0167	0.00522	0.0242	0	69.1	72	124	11.5	30	S

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,3-Dichloropropane	0.0201	0.00522	0.0242	0	83.1	76	123	2.63	30	
1,4-Dichloro-2-butene	0.0213	0.00522	0.0242	0	87.8	50	150	1.98	30	
1,4-Dichlorobenzene	0.0173	0.00522	0.0242	0	71.4	72	125	9.31	30	S
2,2-Dichloropropane	0.0220	0.00522	0.0242	0	90.8	67	134	0.860	30	
2-Butanone	0.0225	0.0157	0.0242	0	93.1	60	135	20.2	30	
2-Chloroethylvinylether	0.0214	0.0157	0.0242	0	88.3	50	150	10.6	30	
2-Chlorotoluene	0.0171	0.00522	0.0242	0	70.6	70	128	5.54	30	
2-Hexanone	0.0209	0.0157	0.0242	0	86.1	50	145	10.0	30	
4-Chlorotoluene	0.0177	0.00522	0.0242	0	73.0	75	125	6.60	30	S
4-Isopropyltoluene	0.0141	0.00522	0.0242	0	58.3	75	133	14.5	30	S
4-Methyl-2-pentanone	0.0220	0.0157	0.0242	0	90.6	60	135	11.2	30	
Acetone	0.0325	0.0522	0.0242	0	134	40	141	33.2	30	R
Acrylonitrile	0.0474	0.0104	0.0242	0	196	40	160	9.20	30	S
Benzene	0.0212	0.00522	0.0242	0	87.5	75	125	1.39	30	
Bromobenzene	0.0191	0.00522	0.0242	0	78.9	66	120	0.268	30	
Bromochloromethane	0.0224	0.00522	0.0242	0	92.4	71	125	3.87	30	
Bromodichloromethane	0.0208	0.00522	0.0242	0	85.9	72	128	3.63	30	
Bromoform	0.0193	0.00522	0.0242	0	79.7	66	137	9.19	30	
Bromomethane	0.0232	0.00522	0.0242	0	95.9	45	141	3.27	30	
Carbon disulfide	0.0188	0.00522	0.0242	0	77.6	50	150	1.71	30	
Carbon tetrachloride	0.0199	0.00522	0.0242	0	82.3	67	133	4.54	30	
Chlorobenzene	0.0194	0.00522	0.0242	0	80.3	75	123	4.99	30	
Chloroethane	0.0231	0.00522	0.0242	0	95.3	41	141	2.92	30	
Chloroform	0.0209	0.00522	0.0242	0	86.3	72	124	2.12	30	
Chloromethane	0.0217	0.00522	0.0242	0	89.6	51	129	1.04	30	
cis-1,2-Dichloroethene	0.0210	0.00522	0.0242	0	86.6	67	125	2.59	30	
cis-1,3-Dichloropropene	0.0213	0.00522	0.0242	0	87.8	72	125	3.46	30	
Dibromochloromethane	0.0191	0.00522	0.0242	0	78.9	66	130	2.49	30	
Dibromomethane	0.0221	0.00522	0.0242	0	91.2	75	128	5.83	30	
Dichlorodifluoromethane	0.0214	0.00522	0.0242	0	88.5	80	121	0.275	30	
Ethylbenzene	0.0185	0.00522	0.0242	0	76.5	75	125	8.24	30	
Hexachlorobutadiene	0.00797	0.00522	0.0242	0	32.9	55	140	39.2	30	SR
Iodomethane	0.0208	0.00522	0.0242	0	85.8	50	150	3.81	30	
Isopropylbenzene	0.0164	0.00522	0.0242	0	67.5	77	129	15.2	30	S
m,p-Xylene	0.0373	0.00522	0.0485	0	77.0	80	125	8.94	30	S
Methyl tert-butyl ether	0.0249	0.00522	0.0242	0	103	68	130	5.21	30	
Methylene chloride	0.0225	0.00522	0.0242	0	92.7	63	137	1.53	30	
n-Butylbenzene	0.0127	0.00522	0.0242	0	52.3	65	138	16.0	30	S
n-Propylbenzene	0.0165	0.00522	0.0242	0	68.1	65	135	9.87	30	
Naphthalene	0.0164	0.0157	0.0242	0	67.9	51	125	15.7	30	
o-Xylene	0.0182	0.00522	0.0242	0	75.0	77	125	9.34	30	S
sec-Butylbenzene	0.0141	0.00522	0.0242	0	58.1	65	130	14.3	30	S
Styrene	0.0178	0.00522	0.0242	0	73.3	75	125	7.88	30	S
tert-Butylbenzene	0.0150	0.00522	0.0242	0	62.1	65	130	10.7	30	S
Tetrachloroethene	0.0178	0.00522	0.0242	0	73.7	67	139	10.0	30	
Toluene	0.0208	0.00522	0.0242	0	85.9	75	125	5.02	30	
trans-1,2-Dichloroethene	0.0214	0.00522	0.0242	0	88.5	66	134	0.085	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

trans-1,3-Dichloropropene	0.0217	0.00522	0.0242	0	89.6	65	125	5.65	30
Trichloroethene	0.0216	0.00522	0.0242	0	89.0	77	124	5.57	30
Trichlorofluoromethane	0.0221	0.0157	0.0242	0	91.0	49	139	1.10	30
Vinyl chloride	0.0222	0.00522	0.0242	0	91.6	60	125	3.04	30
Surr: 1,2-Dichloroethane-d4	57.8		52.22		111	78	125	0	0
Surr: 4-Bromofluorobenzene	52.8		52.22		101	85	120	0	0
Surr: Dibromofluoromethane	54.9		52.22		105	84	116	0	0
Surr: Toluene-d8	49.3		52.22		94.3	85	115	0	0

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

Sample ID:	ICV-100125	Batch ID:	R47494	TestNo:		SW8260B		Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS2_100125A	Analysis Date:		01/25/10 12:09 PM		Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0461	0.00500	0.0464	0	99.3	80	120			
1,1,1-Trichloroethane	0.0490	0.00500	0.0464	0	106	80	120			
1,1,2,2-Tetrachloroethane	0.0463	0.00500	0.0464	0	99.8	80	120			
1,1,2-Trichloroethane	0.0479	0.00500	0.0464	0	103	80	120			
1,1-Dichloroethane	0.0486	0.00500	0.0464	0	105	80	120			
1,1-Dichloroethene	0.0493	0.00500	0.0464	0	106	80	120			
1,1-Dichloropropene	0.0488	0.00500	0.0464	0	105	80	120			
1,2,3-Trichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2,3-Trichloropropane	0.0463	0.00500	0.0464	0	99.8	80	120			
1,2,4-Trichlorobenzene	0.0476	0.00500	0.0464	0	102	80	120			
1,2,4-Trimethylbenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2-Dibromo-3-chloropropane	0.0458	0.00500	0.0464	0	98.8	80	120			
1,2-Dibromoethane	0.0458	0.00500	0.0464	0	98.6	80	120			
1,2-Dichlorobenzene	0.0457	0.00500	0.0464	0	98.6	80	120			
1,2-Dichloroethane	0.0483	0.00500	0.0464	0	104	80	120			
1,2-Dichloropropane	0.0478	0.00500	0.0464	0	103	80	120			
1,3,5-Trimethylbenzene	0.0469	0.00500	0.0464	0	101	80	120			
1,3-Dichlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120			
1,3-Dichloropropane	0.0454	0.00500	0.0464	0	97.8	80	120			
1,4-Dichloro-2-butene	0.0485	0.00500	0.0464	0	105	80	120			
1,4-Dichlorobenzene	0.0460	0.00500	0.0464	0	99.2	80	120			
2,2-Dichloropropane	0.0513	0.00500	0.0464	0	111	80	120			
2-Butanone	0.0480	0.0150	0.0464	0	103	80	120			
2-Chloroethylvinylether	0.0479	0.0150	0.0464	0	103	80	120			
2-Chlorotoluene	0.0459	0.00500	0.0464	0	98.8	80	120			
2-Hexanone	0.0473	0.0150	0.0464	0	102	80	120			
4-Chlorotoluene	0.0463	0.00500	0.0464	0	99.7	80	120			
4-Isopropyltoluene	0.0473	0.00500	0.0464	0	102	80	120			
4-Methyl-2-pentanone	0.0480	0.0150	0.0464	0	103	80	120			
Acetone	0.0565	0.0500	0.0464	0	122	80	120			S
Acrylonitrile	0.0995	0.0100	0.0928	0	107	80	120			
Benzene	0.0478	0.00500	0.0464	0	103	80	120			
Bromobenzene	0.0467	0.00500	0.0464	0	101	80	120			
Bromochloromethane	0.0491	0.00500	0.0464	0	106	80	120			
Bromodichloromethane	0.0474	0.00500	0.0464	0	102	80	120			
Bromoform	0.0471	0.00500	0.0464	0	101	80	120			
Bromomethane	0.0473	0.00500	0.0464	0	102	80	120			
Carbon disulfide	0.0440	0.00500	0.0464	0	94.8	80	120			
Carbon tetrachloride	0.0485	0.00500	0.0464	0	105	80	120			
Chlorobenzene	0.0475	0.00500	0.0464	0	102	80	120			
Chloroethane	0.0492	0.00500	0.0464	0	106	80	120			
Chloroform	0.0480	0.00500	0.0464	0	103	80	120			
Chloromethane	0.0487	0.00500	0.0464	0	105	80	120			
cis-1,2-Dichloroethene	0.0489	0.00500	0.0464	0	105	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

cis-1,3-Dichloropropene	0.0486	0.00500	0.0464	0	105	80	120
Dibromochloromethane	0.0456	0.00500	0.0464	0	98.2	80	120
Dibromomethane	0.0484	0.00500	0.0464	0	104	80	120
Dichlorodifluoromethane	0.0498	0.00500	0.0464	0	107	80	120
Ethylbenzene	0.0476	0.00500	0.0464	0	103	80	120
Hexachlorobutadiene	0.0464	0.00500	0.0464	0	100	80	120
Iodomethane	0.0498	0.00500	0.0464	0	107	80	120
Isopropylbenzene	0.0466	0.00500	0.0464	0	100	80	120
m,p-Xylene	0.0953	0.00500	0.0928	0	103	80	120
Methyl tert-butyl ether	0.0554	0.00500	0.0464	0	119	80	120
Methylene chloride	0.0501	0.00500	0.0464	0	108	80	120
n-Butylbenzene	0.0476	0.00500	0.0464	0	103	80	120
n-Propylbenzene	0.0471	0.00500	0.0464	0	102	80	120
Naphthalene	0.0476	0.0150	0.0464	0	103	80	120
o-Xylene	0.0471	0.00500	0.0464	0	101	80	120
sec-Butylbenzene	0.0464	0.00500	0.0464	0	99.9	80	120
Styrene	0.0462	0.00500	0.0464	0	99.6	80	120
tert-Butylbenzene	0.0461	0.00500	0.0464	0	99.4	80	120
Tetrachloroethene	0.0474	0.00500	0.0464	0	102	80	120
Toluene	0.0492	0.00500	0.0464	0	106	80	120
trans-1,2-Dichloroethene	0.0485	0.00500	0.0464	0	105	80	120
trans-1,3-Dichloropropene	0.0494	0.00500	0.0464	0	106	80	120
Trichloroethene	0.0494	0.00500	0.0464	0	107	80	120
Trichlorofluoromethane	0.0497	0.0150	0.0464	0	107	80	120
Vinyl chloride	0.0499	0.00500	0.0464	0	108	80	120
Surr: 1,2-Dichloroethane-d4	54.8		50.00		110	78	125
Surr: 4-Bromofluorobenzene	48.3		50.00		96.6	85	120
Surr: Dibromofluoromethane	51.0		50.00		102	84	116
Surr: Toluene-d8	47.9		50.00		95.7	85	115

Sample ID:	ICV-100126	Batch ID:	R47494	TestNo:	SW8260B	Units:	mg/Kg
SampType:	ICV	Run ID:	GCMS2_100125A	Analysis Date:	01/26/10 10:05 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0468	0.00500	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0499	0.00500	0.0464	0	107	80	120			
1,1,2,2-Tetrachloroethane	0.0449	0.00500	0.0464	0	96.8	80	120			
1,1,2-Trichloroethane	0.0485	0.00500	0.0464	0	104	80	120			
1,1-Dichloroethane	0.0493	0.00500	0.0464	0	106	80	120			
1,1-Dichloroethene	0.0499	0.00500	0.0464	0	107	80	120			
1,1-Dichloropropene	0.0500	0.00500	0.0464	0	108	80	120			
1,2,3-Trichlorobenzene	0.0458	0.00500	0.0464	0	98.7	80	120			
1,2,3-Trichloropropane	0.0466	0.00500	0.0464	0	100	80	120			
1,2,4-Trichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2,4-Trimethylbenzene	0.0479	0.00500	0.0464	0	103	80	120			
1,2-Dibromo-3-chloropropane	0.0464	0.00500	0.0464	0	100	80	120			
1,2-Dibromoethane	0.0458	0.00500	0.0464	0	98.8	80	120			
1,2-Dichlorobenzene	0.0461	0.00500	0.0464	0	99.3	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

1,2-Dichloroethane	0.0496	0.00500	0.0464	0	107	80	120	
1,2-Dichloropropane	0.0483	0.00500	0.0464	0	104	80	120	
1,3,5-Trimethylbenzene	0.0480	0.00500	0.0464	0	103	80	120	
1,3-Dichlorobenzene	0.0470	0.00500	0.0464	0	101	80	120	
1,3-Dichloropropane	0.0456	0.00500	0.0464	0	98.3	80	120	
1,4-Dichloro-2-butene	0.0492	0.00500	0.0464	0	106	80	120	
1,4-Dichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120	
2,2-Dichloropropane	0.0526	0.00500	0.0464	0	113	80	120	
2-Butanone	0.0449	0.0150	0.0464	0	96.7	80	120	
2-Chloroethylvinylether	0.0467	0.0150	0.0464	0	101	80	120	
2-Chlorotoluene	0.0463	0.00500	0.0464	0	99.9	80	120	
2-Hexanone	0.0444	0.0150	0.0464	0	95.8	80	120	
4-Chlorotoluene	0.0473	0.00500	0.0464	0	102	80	120	
4-Isopropyltoluene	0.0479	0.00500	0.0464	0	103	80	120	
4-Methyl-2-pentanone	0.0451	0.0150	0.0464	0	97.2	80	120	
Acetone	0.0595	0.0500	0.0464	0	128	80	120	S
Acrylonitrile	0.0949	0.0100	0.0928	0	102	80	120	
Benzene	0.0486	0.00500	0.0464	0	105	80	120	
Bromobenzene	0.0468	0.00500	0.0464	0	101	80	120	
Bromochloromethane	0.0493	0.00500	0.0464	0	106	80	120	
Bromodichloromethane	0.0490	0.00500	0.0464	0	106	80	120	
Bromoform	0.0468	0.00500	0.0464	0	101	80	120	
Bromomethane	0.0471	0.00500	0.0464	0	102	80	120	
Carbon disulfide	0.0435	0.00500	0.0464	0	93.7	80	120	
Carbon tetrachloride	0.0499	0.00500	0.0464	0	108	80	120	
Chlorobenzene	0.0477	0.00500	0.0464	0	103	80	120	
Chloroethane	0.0502	0.00500	0.0464	0	108	80	120	
Chloroform	0.0486	0.00500	0.0464	0	105	80	120	
Chloromethane	0.0486	0.00500	0.0464	0	105	80	120	
cis-1,2-Dichloroethene	0.0483	0.00500	0.0464	0	104	80	120	
cis-1,3-Dichloropropene	0.0485	0.00500	0.0464	0	104	80	120	
Dibromochloromethane	0.0460	0.00500	0.0464	0	99.1	80	120	
Dibromomethane	0.0478	0.00500	0.0464	0	103	80	120	
Dichlorodifluoromethane	0.0513	0.00500	0.0464	0	111	80	120	
Ethylbenzene	0.0474	0.00500	0.0464	0	102	80	120	
Hexachlorobutadiene	0.0489	0.00500	0.0464	0	105	80	120	
Iodomethane	0.0487	0.00500	0.0464	0	105	80	120	
Isopropylbenzene	0.0476	0.00500	0.0464	0	103	80	120	
m,p-Xylene	0.0973	0.00500	0.0928	0	105	80	120	
Methyl tert-butyl ether	0.0554	0.00500	0.0464	0	119	80	120	
Methylene chloride	0.0507	0.00500	0.0464	0	109	80	120	
n-Butylbenzene	0.0474	0.00500	0.0464	0	102	80	120	
n-Propylbenzene	0.0472	0.00500	0.0464	0	102	80	120	
Naphthalene	0.0443	0.0150	0.0464	0	95.5	80	120	
o-Xylene	0.0467	0.00500	0.0464	0	101	80	120	
sec-Butylbenzene	0.0475	0.00500	0.0464	0	102	80	120	
Styrene	0.0460	0.00500	0.0464	0	99.1	80	120	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_100125A

tert-Butylbenzene	0.0475	0.00500	0.0464	0	102	80	120
Tetrachloroethene	0.0482	0.00500	0.0464	0	104	80	120
Toluene	0.0499	0.00500	0.0464	0	108	80	120
trans-1,2-Dichloroethene	0.0492	0.00500	0.0464	0	106	80	120
trans-1,3-Dichloropropene	0.0498	0.00500	0.0464	0	107	80	120
Trichloroethene	0.0500	0.00500	0.0464	0	108	80	120
Trichlorofluoromethane	0.0518	0.0150	0.0464	0	112	80	120
Vinyl chloride	0.0511	0.00500	0.0464	0	110	80	120
Surr: 1,2-Dichloroethane-d4	55.5		50.00		111	78	125
Surr: 4-Bromofluorobenzene	49.0		50.00		98.1	85	120
Surr: Dibromofluoromethane	50.6		50.00		101	84	116
Surr: Toluene-d8	48.3		50.00		96.6	85	115

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Sample ID:	LCS-39254	Batch ID:	39254	TestNo:	SW8260B	Units:	mg/L
SampType:	LCS	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 11:10 AM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0245	0.00100	0.0232	0	106	80	130			
1,1,1-Trichloroethane	0.0242	0.00100	0.0232	0	104	65	130			
1,1,2,2-Tetrachloroethane	0.0233	0.00100	0.0232	0	100	65	130			
1,1,2-Trichloroethane	0.0237	0.00100	0.0232	0	102	75	125			
1,1-Dichloroethane	0.0236	0.00100	0.0232	0	102	70	135			
1,1-Dichloroethene	0.0230	0.00100	0.0232	0	98.9	70	130			
1,1-Dichloropropene	0.0237	0.00100	0.0232	0	102	75	130			
1,2,3-Trichlorobenzene	0.0235	0.00500	0.0232	0	101	55	140			
1,2,3-Trichloropropane	0.0233	0.00100	0.0232	0	101	75	125			
1,2,4-Trichlorobenzene	0.0235	0.00500	0.0232	0	101	65	135			
1,2,4-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	75	130			
1,2-Dibromo-3-chloropropane	0.0218	0.0100	0.0232	0	93.9	50	130			
1,2-Dibromoethane	0.0238	0.00100	0.0232	0	103	80	120			
1,2-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	70	120			
1,2-Dichloroethane	0.0232	0.00100	0.0232	0	100	70	130			
1,2-Dichloropropane	0.0240	0.00100	0.0232	0	103	75	125			
1,3,5-Trimethylbenzene	0.0242	0.00500	0.0232	0	104	75	130			
1,3-Dichlorobenzene	0.0241	0.00100	0.0232	0	104	75	125			
1,3-Dichloropropane	0.0237	0.00100	0.0232	0	102	75	125			
1,4-Dichloro-2-butene	0.0245	0.00200	0.0232	0	106	50	150			
1,4-Dichlorobenzene	0.0237	0.00100	0.0232	0	102	75	125			
2,2-Dichloropropane	0.0253	0.00100	0.0232	0	109	70	135			
2-Butanone	0.0215	0.0150	0.0232	0	92.5	30	150			
2-Chloroethylvinylether	0.0232	0.0150	0.0232	0	99.9	50	150			
2-Chlorotoluene	0.0239	0.00100	0.0232	0	103	75	125			
2-Hexanone	0.0226	0.0150	0.0232	0	97.6	55	130			
4-Chlorotoluene	0.0242	0.00100	0.0232	0	104	75	130			
4-Methyl-2-pentanone	0.0232	0.0150	0.0232	0	100	60	135			
Acetone	0.0220	0.0150	0.0232	0	94.9	40	140			
Acrylonitrile	0.0474	0.00300	0.0464	0	102	50	150			
Benzene	0.0234	0.00100	0.0232	0	101	80	120			
Bromobenzene	0.0237	0.00100	0.0232	0	102	75	125			
Bromochloromethane	0.0239	0.00100	0.0232	0	103	65	130			
Bromodichloromethane	0.0241	0.00100	0.0232	0	104	75	120			
Bromoform	0.0245	0.00100	0.0232	0	106	70	130			
Bromomethane	0.0229	0.00100	0.0232	0	98.7	30	145			
Carbon disulfide	0.0220	0.0150	0.0232	0	94.7	35	160			
Carbon tetrachloride	0.0240	0.00100	0.0232	0	104	65	140			
Chlorobenzene	0.0234	0.00100	0.0232	0	101	80	120			
Chloroethane	0.0234	0.00100	0.0232	0	101	60	135			
Chloroform	0.0236	0.00100	0.0232	0	102	65	135			
Chloromethane	0.0236	0.00100	0.0232	0	102	40	125			
cis-1,2-Dichloroethene	0.0241	0.00100	0.0232	0	104	70	125			
cis-1,3-Dichloropropene	0.0253	0.00100	0.0232	0	109	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Dibromochloromethane	0.0246	0.00100	0.0232	0	106	60	135
Dibromomethane	0.0239	0.00100	0.0232	0	103	75	125
Dichlorodifluoromethane	0.0237	0.00100	0.0232	0	102	30	155
Ethylbenzene	0.0242	0.00100	0.0232	0	105	75	125
Hexachlorobutadiene	0.0222	0.00300	0.0232	0	95.6	50	140
Iodomethane	0.0223	0.0150	0.0232	0	96.3	50	150
Isopropylbenzene	0.0250	0.00100	0.0232	0	108	75	125
m,p-Xylene	0.0491	0.00200	0.0464	0	106	75	130
Methyl tert-butyl ether	0.0235	0.00100	0.0232	0	101	65	125
Methylene chloride	0.0238	0.00250	0.0232	0	102	55	140
n-Butylbenzene	0.0238	0.00100	0.0232	0	103	70	135
n-Propylbenzene	0.0241	0.00100	0.0232	0	104	70	130
Naphthalene	0.0209	0.0150	0.0232	0	90.1	55	138
o-Xylene	0.0247	0.00100	0.0232	0	106	80	120
p-Isopropyltoluene	0.0255	0.00100	0.0232	0	110	75	130
sec-Butylbenzene	0.0247	0.00100	0.0232	0	106	70	125
Styrene	0.0250	0.00100	0.0232	0	108	65	135
tert-Butylbenzene	0.0243	0.00100	0.0232	0	105	70	130
Tetrachloroethene	0.0237	0.00200	0.0232	0	102	45	150
Toluene	0.0237	0.00200	0.0232	0	102	75	120
trans-1,2-Dichloroethene	0.0237	0.00100	0.0232	0	102	60	140
trans-1,3-Dichloropropene	0.0250	0.00100	0.0232	0	108	55	140
Trichloroethene	0.0233	0.00200	0.0232	0	101	70	125
Trichlorofluoromethane	0.0234	0.00100	0.0232	0	101	60	145
Vinyl chloride	0.0238	0.00100	0.0232	0	102	50	145
Surr: 1,2-Dichloroethane-d4	197		200.0		98.3	70	120
Surr: 4-Bromofluorobenzene	193		200.0		96.5	75	120
Surr: Dibromofluoromethane	199		200.0		99.5	85	115
Surr: Toluene-d8	200		200.0		100	85	120

Sample ID:	MB-39254	Batch ID:	39254	TestNo:	SW8260B	Units:	mg/L
SampType:	MBLK	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 12:25 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00100								
1,1,1-Trichloroethane	ND	0.00100								
1,1,2,2-Tetrachloroethane	ND	0.00100								
1,1,2-Trichloroethane	ND	0.00100								
1,1-Dichloroethane	ND	0.00100								
1,1-Dichloroethene	ND	0.00100								
1,1-Dichloropropene	ND	0.00100								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00100								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.0100								
1,2-Dibromoethane	ND	0.00100								
1,2-Dichlorobenzene	ND	0.00100								

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

1,2-Dichloroethane	ND	0.00100
1,2-Dichloropropane	ND	0.00100
1,3,5-Trimethylbenzene	ND	0.00500
1,3-Dichlorobenzene	ND	0.00100
1,3-Dichloropropane	ND	0.00100
1,4-Dichloro-2-butene	ND	0.00200
1,4-Dichlorobenzene	ND	0.00100
2,2-Dichloropropane	ND	0.00100
2-Butanone	ND	0.0150
2-Chloroethylvinylether	ND	0.0150
2-Chlorotoluene	ND	0.00100
2-Hexanone	ND	0.0150
4-Chlorotoluene	ND	0.00100
4-Methyl-2-pentanone	ND	0.0150
Acetone	ND	0.0150
Acrylonitrile	ND	0.00300
Benzene	ND	0.00100
Bromobenzene	ND	0.00100
Bromochloromethane	ND	0.00100
Bromodichloromethane	ND	0.00100
Bromoform	ND	0.00100
Bromomethane	ND	0.00100
Carbon disulfide	ND	0.0150
Carbon tetrachloride	ND	0.00100
Chlorobenzene	ND	0.00100
Chloroethane	ND	0.00100
Chloroform	ND	0.00100
Chloromethane	ND	0.00100
cis-1,2-Dichloroethene	ND	0.00100
cis-1,3-Dichloropropene	ND	0.00100
Dibromochloromethane	ND	0.00100
Dibromomethane	ND	0.00100
Dichlorodifluoromethane	ND	0.00100
Ethylbenzene	ND	0.00100
Hexachlorobutadiene	ND	0.00300
Iodomethane	ND	0.0150
Isopropylbenzene	ND	0.00100
m,p-Xylene	ND	0.00200
Methyl tert-butyl ether	ND	0.00100
Methylene chloride	ND	0.00250
n-Butylbenzene	ND	0.00100
n-Propylbenzene	ND	0.00100
Naphthalene	ND	0.0150
o-Xylene	ND	0.00100
p-Isopropyltoluene	ND	0.00100
sec-Butylbenzene	ND	0.00100
Styrene	ND	0.00100

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

tert-Butylbenzene	ND	0.00100				
Tetrachloroethene	ND	0.00200				
Toluene	ND	0.00200				
trans-1,2-Dichloroethene	ND	0.00100				
trans-1,3-Dichloropropene	ND	0.00100				
Trichloroethene	ND	0.00200				
Trichlorofluoromethane	ND	0.00100				
Vinyl chloride	ND	0.00100				
Surr: 1,2-Dichloroethane-d4	200		200.0	100	70	120
Surr: 4-Bromofluorobenzene	211		200.0	106	75	120
Surr: Dibromofluoromethane	201		200.0	101	85	115
Surr: Toluene-d8	198		200.0	98.8	85	120

Sample ID:	1001182-01AMS	Batch ID:	39254	TestNo:	SW8260B	Units:	mg/L
SampType:	MS	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 08:03 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0251	0.00100	0.0232	0	108	80	130			
1,1,1-Trichloroethane	0.0273	0.00100	0.0232	0	118	65	130			
1,1,2,2-Tetrachloroethane	0.0225	0.00100	0.0232	0	97.0	65	130			
1,1,2-Trichloroethane	0.0246	0.00100	0.0232	0	106	75	125			
1,1-Dichloroethane	0.0242	0.00100	0.0232	0	104	70	135			
1,1-Dichloroethene	0.0225	0.00100	0.0232	0	97.0	70	130			
1,1-Dichloropropene	0.0247	0.00100	0.0232	0	107	75	130			
1,2,3-Trichlorobenzene	0.0202	0.00500	0.0232	0	87.2	55	140			
1,2,3-Trichloropropane	0.0237	0.00100	0.0232	0	102	75	125			
1,2,4-Trichlorobenzene	0.0203	0.00500	0.0232	0	87.4	65	135			
1,2,4-Trimethylbenzene	0.0235	0.00500	0.0232	0	101	75	130			
1,2-Dibromo-3-chloropropane	0.0217	0.0100	0.0232	0	93.7	50	130			
1,2-Dibromoethane	0.0230	0.00100	0.0232	0	99.1	80	120			
1,2-Dichlorobenzene	0.0231	0.00100	0.0232	0	99.4	70	120			
1,2-Dichloroethane	0.0279	0.00100	0.0232	0	120	70	130			
1,2-Dichloropropane	0.0231	0.00100	0.0232	0	99.7	75	125			
1,3,5-Trimethylbenzene	0.0233	0.00500	0.0232	0	100	75	130			
1,3-Dichlorobenzene	0.0231	0.00100	0.0232	0	99.7	75	125			
1,3-Dichloropropane	0.0235	0.00100	0.0232	0	101	75	125			
1,4-Dichloro-2-butene	0.0242	0.00200	0.0232	0	104	50	150			
1,4-Dichlorobenzene	0.0226	0.00100	0.0232	0	97.5	75	125			
2,2-Dichloropropane	0.0258	0.00100	0.0232	0	111	70	135			
2-Butanone	0.0236	0.0150	0.0232	0	102	30	150			
2-Chloroethylvinylether	0	0.0150	0.0232	0	0	50	150			S
2-Chlorotoluene	0.0233	0.00100	0.0232	0	100	75	125			
2-Hexanone	0.0213	0.0150	0.0232	0	91.8	55	130			
4-Chlorotoluene	0.0240	0.00100	0.0232	0	103	75	130			
4-Methyl-2-pentanone	0.0229	0.0150	0.0232	0	98.7	60	135			
Acetone	0.0270	0.0150	0.0232	0	116	40	140			
Acrylonitrile	0.0456	0.00300	0.0464	0	98.2	50	150			
Benzene	0.0235	0.00100	0.0232	0	101	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Bromobenzene	0.0220	0.00100	0.0232	0	94.7	75	125	
Bromochloromethane	0.0243	0.00100	0.0232	0	105	65	130	
Bromodichloromethane	0.0264	0.00100	0.0232	0	114	75	120	
Bromoform	0.0249	0.00100	0.0232	0	107	70	130	
Bromomethane	0.0204	0.00100	0.0232	0	87.8	30	145	
Carbon disulfide	0.0218	0.0150	0.0232	0	93.9	35	160	
Carbon tetrachloride	0.0278	0.00100	0.0232	0	120	65	140	
Chlorobenzene	0.0230	0.00100	0.0232	0	99.0	80	120	
Chloroethane	0.0237	0.00100	0.0232	0	102	60	135	
Chloroform	0.0257	0.00100	0.0232	0	111	65	135	
Chloromethane	0.0241	0.00100	0.0232	0	104	40	125	
cis-1,2-Dichloroethene	0.0227	0.00100	0.0232	0	97.8	70	125	
cis-1,3-Dichloropropene	0.0232	0.00100	0.0232	0	99.9	70	130	
Dibromochloromethane	0.0250	0.00100	0.0232	0	108	60	135	
Dibromomethane	0.0255	0.00100	0.0232	0	110	75	125	
Dichlorodifluoromethane	0.0275	0.00100	0.0232	0	118	30	155	
Ethylbenzene	0.0230	0.00100	0.0232	0	99.3	75	125	
Hexachlorobutadiene	0.0211	0.00300	0.0232	0	90.8	50	140	
Iodomethane	0.0220	0.0150	0.0232	0	94.7	50	150	
Isopropylbenzene	0.0249	0.00100	0.0232	0	107	75	125	
m,p-Xylene	0.0477	0.00200	0.0464	0	103	75	130	
Methyl tert-butyl ether	0.0236	0.00100	0.0232	0	102	65	125	
Methylene chloride	0.0227	0.00250	0.0232	0	97.7	55	140	
n-Butylbenzene	0.0220	0.00100	0.0232	0	95.0	70	135	
n-Propylbenzene	0.0230	0.00100	0.0232	0	99.2	70	130	
Naphthalene	0.0172	0.0150	0.0232	0	74.1	55	138	
o-Xylene	0.0237	0.00100	0.0232	0	102	80	120	
p-Isopropyltoluene	0.0245	0.00100	0.0232	0	105	75	130	
sec-Butylbenzene	0.0243	0.00100	0.0232	0	105	70	125	
Styrene	0.0227	0.00100	0.0232	0	97.8	65	135	
tert-Butylbenzene	0.0238	0.00100	0.0232	0	102	70	130	
Tetrachloroethene	0.0226	0.00200	0.0232	0	97.4	45	150	
Toluene	0.0236	0.00200	0.0232	0	102	75	120	
trans-1,2-Dichloroethene	0.0226	0.00100	0.0232	0	97.2	60	140	
trans-1,3-Dichloropropene	0.0252	0.00100	0.0232	0	109	55	140	
Trichloroethene	0.0237	0.00200	0.0232	0	102	70	125	
Trichlorofluoromethane	0.0288	0.00100	0.0232	0	124	60	145	
Vinyl chloride	0.0235	0.00100	0.0232	0	101	50	145	
Surr: 1,2-Dichloroethane-d4	242		200.0		121	70	120	S
Surr: 4-Bromofluorobenzene	200		200.0		99.8	75	120	
Surr: Dibromofluoromethane	214		200.0		107	85	115	
Surr: Toluene-d8	195		200.0		97.4	85	120	

Sample ID:	1001182-01AMSD	Batch ID:	39254	TestNo:	SW8260B	Units:	mg/L
SampType:	MSD	Run ID:	GCMS5_100128A	Analysis Date:	01/28/10 08:27 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0248	0.00100	0.0232	0	107	80	130	1.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

1,1,1-Trichloroethane	0.0271	0.00100	0.0232	0	117	65	130	0.919	20	
1,1,2,2-Tetrachloroethane	0.0237	0.00100	0.0232	0	102	65	130	5.07	20	
1,1,2-Trichloroethane	0.0242	0.00100	0.0232	0	104	75	125	1.52	20	
1,1-Dichloroethane	0.0235	0.00100	0.0232	0	101	70	135	2.85	20	
1,1-Dichloroethene	0.0218	0.00100	0.0232	0	94.2	70	130	2.93	20	
1,1-Dichloropropene	0.0242	0.00100	0.0232	0	104	75	130	1.92	20	
1,2,3-Trichlorobenzene	0.0223	0.00500	0.0232	0	96.1	55	140	9.64	20	
1,2,3-Trichloropropane	0.0258	0.00100	0.0232	0	111	75	125	8.39	20	
1,2,4-Trichlorobenzene	0.0214	0.00500	0.0232	0	92.1	65	135	5.24	20	
1,2,4-Trimethylbenzene	0.0233	0.00500	0.0232	0	100	75	130	1.02	20	
1,2-Dibromo-3-chloropropane	0.0239	0.0100	0.0232	0	103	50	130	9.39	20	
1,2-Dibromoethane	0.0232	0.00100	0.0232	0	100	80	120	1.08	20	
1,2-Dichlorobenzene	0.0237	0.00100	0.0232	0	102	70	120	2.61	20	
1,2-Dichloroethane	0.0275	0.00100	0.0232	0	119	70	130	1.34	20	
1,2-Dichloropropane	0.0226	0.00100	0.0232	0	97.3	75	125	2.36	20	
1,3,5-Trimethylbenzene	0.0232	0.00500	0.0232	0	100	75	130	0.301	20	
1,3-Dichlorobenzene	0.0231	0.00100	0.0232	0	99.4	75	125	0.260	20	
1,3-Dichloropropane	0.0237	0.00100	0.0232	0	102	75	125	1.19	20	
1,4-Dichloro-2-butene	0.0259	0.00200	0.0232	0	112	50	150	6.71	20	
1,4-Dichlorobenzene	0.0229	0.00100	0.0232	0	98.8	75	125	1.27	20	
2,2-Dichloropropane	0.0248	0.00100	0.0232	0	107	70	135	3.68	20	
2-Butanone	0.0256	0.0150	0.0232	0	110	30	150	8.37	20	
2-Chloroethylvinylether	0	0.0150	0.0232	0	0	50	150	0	20	S
2-Chlorotoluene	0.0236	0.00100	0.0232	0	102	75	125	1.28	20	
2-Hexanone	0.0239	0.0150	0.0232	0	103	55	130	11.6	20	
4-Chlorotoluene	0.0237	0.00100	0.0232	0	102	75	130	1.09	20	
4-Methyl-2-pentanone	0.0249	0.0150	0.0232	0	107	60	135	8.29	20	
Acetone	0.0291	0.0150	0.0232	0	125	40	140	7.57	20	
Acrylonitrile	0.0496	0.00300	0.0464	0	107	50	150	8.53	20	
Benzene	0.0227	0.00100	0.0232	0	97.8	80	120	3.42	20	
Bromobenzene	0.0219	0.00100	0.0232	0	94.4	75	125	0.410	20	
Bromochloromethane	0.0237	0.00100	0.0232	0	102	65	130	2.75	20	
Bromodichloromethane	0.0263	0.00100	0.0232	0	113	75	120	0.456	20	
Bromoform	0.0253	0.00100	0.0232	0	109	70	130	1.63	20	
Bromomethane	0.0233	0.00100	0.0232	0	100	30	145	13.5	20	
Carbon disulfide	0.0214	0.0150	0.0232	0	92.4	35	160	1.62	20	
Carbon tetrachloride	0.0273	0.00100	0.0232	0	118	65	140	1.60	20	
Chlorobenzene	0.0229	0.00100	0.0232	0	98.8	80	120	0.174	20	
Chloroethane	0.0240	0.00100	0.0232	0	103	60	135	1.51	20	
Chloroform	0.0255	0.00100	0.0232	0	110	65	135	0.859	20	
Chloromethane	0.0244	0.00100	0.0232	0	105	40	125	1.32	20	
cis-1,2-Dichloroethene	0.0230	0.00100	0.0232	0	99.0	70	125	1.23	20	
cis-1,3-Dichloropropene	0.0230	0.00100	0.0232	0	99.2	70	130	0.649	20	
Dibromochloromethane	0.0244	0.00100	0.0232	0	105	60	135	2.15	20	
Dibromomethane	0.0256	0.00100	0.0232	0	110	75	125	0.274	20	
Dichlorodifluoromethane	0.0275	0.00100	0.0232	0	119	30	155	0.145	20	
Ethylbenzene	0.0231	0.00100	0.0232	0	99.7	75	125	0.347	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Hexachlorobutadiene	0.0212	0.00300	0.0232	0	91.3	50	140	0.473	20
Iodomethane	0.0229	0.0150	0.0232	0	98.6	50	150	4.06	20
Isopropylbenzene	0.0243	0.00100	0.0232	0	105	75	125	2.44	20
m,p-Xylene	0.0465	0.00200	0.0464	0	100	75	130	2.57	20
Methyl tert-butyl ether	0.0234	0.00100	0.0232	0	101	65	125	0.852	20
Methylene chloride	0.0221	0.00250	0.0232	0	95.3	55	140	2.55	20
n-Butylbenzene	0.0224	0.00100	0.0232	0	96.3	70	135	1.35	20
n-Propylbenzene	0.0228	0.00100	0.0232	0	98.2	70	130	1.00	20
Naphthalene	0.0198	0.0150	0.0232	0	85.4	55	138	14.3	20
o-Xylene	0.0232	0.00100	0.0232	0	99.9	80	120	2.05	20
p-Isopropyltoluene	0.0244	0.00100	0.0232	0	105	75	130	0.164	20
sec-Butylbenzene	0.0238	0.00100	0.0232	0	102	70	125	2.25	20
Styrene	0.0222	0.00100	0.0232	0	95.7	65	135	2.14	20
tert-Butylbenzene	0.0235	0.00100	0.0232	0	101	70	130	1.27	20
Tetrachloroethene	0.0224	0.00200	0.0232	0	96.8	45	150	0.666	20
Toluene	0.0232	0.00200	0.0232	0	100	75	120	1.54	20
trans-1,2-Dichloroethene	0.0219	0.00100	0.0232	0	94.5	60	140	2.83	20
trans-1,3-Dichloropropene	0.0253	0.00100	0.0232	0	109	55	140	0.238	20
Trichloroethene	0.0233	0.00200	0.0232	0	100	70	125	1.66	20
Trichlorofluoromethane	0.0278	0.00100	0.0232	0	120	60	145	3.64	20
Vinyl chloride	0.0249	0.00100	0.0232	0	107	50	145	5.53	20
Surr: 1,2-Dichloroethane-d4	239		200.0		120	70	120	0	0
Surr: 4-Bromofluorobenzene	201		200.0		101	75	120	0	0
Surr: Dibromofluoromethane	213		200.0		106	85	115	0	0
Surr: Toluene-d8	195		200.0		97.3	85	120	0	0

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Sample ID:	ICV-100128	Batch ID:	R47592		TestNo:		SW8260B		Units:		mg/L
SampType:	ICV	Run ID:	GCMS5_100128A		Analysis Date:		01/28/10 10:44 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		0.0461	0.00100	0.0464	0	99.4	80	120			
1,1,1-Trichloroethane		0.0450	0.00100	0.0464	0	97.0	80	120			
1,1,2,2-Tetrachloroethane		0.0453	0.00100	0.0464	0	97.7	80	120			
1,1,2-Trichloroethane		0.0444	0.00100	0.0464	0	95.6	80	120			
1,1-Dichloroethane		0.0436	0.00100	0.0464	0	94.0	80	120			
1,1-Dichloroethene		0.0440	0.00100	0.0464	0	94.8	80	120			
1,1-Dichloropropene		0.0442	0.00100	0.0464	0	95.3	80	120			
1,2,3-Trichlorobenzene		0.0456	0.00500	0.0464	0	98.3	80	120			
1,2,3-Trichloropropane		0.0463	0.00100	0.0464	0	99.8	80	120			
1,2,4-Trichlorobenzene		0.0464	0.00500	0.0464	0	100	80	120			
1,2,4-Trimethylbenzene		0.0453	0.00500	0.0464	0	97.5	80	120			
1,2-Dibromo-3-chloropropane		0.0420	0.0100	0.0464	0	90.4	80	120			
1,2-Dibromoethane		0.0457	0.00100	0.0464	0	98.5	80	120			
1,2-Dichlorobenzene		0.0451	0.00100	0.0464	0	97.2	80	120			
1,2-Dichloroethane		0.0432	0.00100	0.0464	0	93.0	80	120			
1,2-Dichloropropane		0.0442	0.00100	0.0464	0	95.2	80	120			
1,3,5-Trimethylbenzene		0.0457	0.00500	0.0464	0	98.4	80	120			
1,3-Dichlorobenzene		0.0456	0.00100	0.0464	0	98.4	80	120			
1,3-Dichloropropane		0.0438	0.00100	0.0464	0	94.3	80	120			
1,4-Dichloro-2-butene		0.0506	0.00200	0.0464	0	109	80	120			
1,4-Dichlorobenzene		0.0438	0.00100	0.0464	0	94.4	80	120			
2,2-Dichloropropane		0.0474	0.00100	0.0464	0	102	80	120			
2-Butanone		0.0448	0.0150	0.0464	0	96.6	80	120			
2-Chloroethylvinylether		0.0462	0.0150	0.0464	0	99.7	80	120			
2-Chlorotoluene		0.0460	0.00100	0.0464	0	99.1	80	120			
2-Hexanone		0.0478	0.0150	0.0464	0	103	80	120			
4-Chlorotoluene		0.0465	0.00100	0.0464	0	100	80	120			
4-Methyl-2-pentanone		0.0465	0.0150	0.0464	0	100	80	120			
Acetone		0.0451	0.0150	0.0464	0	97.2	80	120			
Acrylonitrile		0.0918	0.00300	0.0928	0	98.9	60	140			
Benzene		0.0438	0.00100	0.0464	0	94.4	80	120			
Bromobenzene		0.0456	0.00100	0.0464	0	98.3	80	120			
Bromochloromethane		0.0439	0.00100	0.0464	0	94.7	80	120			
Bromodichloromethane		0.0458	0.00100	0.0464	0	98.7	80	120			
Bromoform		0.0487	0.00100	0.0464	0	105	80	120			
Bromomethane		0.0374	0.00100	0.0464	0	80.5	80	120			
Carbon disulfide		0.0422	0.0150	0.0464	0	90.9	80	120			
Carbon tetrachloride		0.0461	0.00100	0.0464	0	99.4	80	120			
Chlorobenzene		0.0433	0.00100	0.0464	0	93.3	80	120			
Chloroethane		0.0406	0.00100	0.0464	0	87.5	80	120			
Chloroform		0.0437	0.00100	0.0464	0	94.2	80	120			
Chloromethane		0.0413	0.00100	0.0464	0	89.0	80	120			
cis-1,2-Dichloroethene		0.0448	0.00100	0.0464	0	96.6	80	120			
cis-1,3-Dichloropropene		0.0473	0.00100	0.0464	0	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_100128A

Dibromochloromethane	0.0479	0.00100	0.0464	0	103	80	120
Dibromomethane	0.0446	0.00100	0.0464	0	96.1	80	120
Dichlorodifluoromethane	0.0392	0.00100	0.0464	0	84.4	80	120
Ethylbenzene	0.0440	0.00100	0.0464	0	94.9	80	120
Hexachlorobutadiene	0.0438	0.00300	0.0464	0	94.3	80	120
Iodomethane	0.0387	0.0150	0.0464	0	83.3	80	120
Isopropylbenzene	0.0474	0.00100	0.0464	0	102	80	120
m,p-Xylene	0.0897	0.00200	0.0928	0	96.7	80	120
Methyl tert-butyl ether	0.0446	0.00100	0.0464	0	96.2	80	120
Methylene chloride	0.0449	0.00250	0.0464	0	96.8	80	120
n-Butylbenzene	0.0451	0.00100	0.0464	0	97.1	80	120
n-Propylbenzene	0.0465	0.00100	0.0464	0	100	80	120
Naphthalene	0.0422	0.0150	0.0464	0	91.0	80	120
o-Xylene	0.0465	0.00100	0.0464	0	100	80	120
p-Isopropyltoluene	0.0481	0.00100	0.0464	0	104	80	120
sec-Butylbenzene	0.0473	0.00100	0.0464	0	102	80	120
Styrene	0.0470	0.00100	0.0464	0	101	80	120
tert-Butylbenzene	0.0464	0.00100	0.0464	0	100	80	120
Tetrachloroethene	0.0438	0.00200	0.0464	0	94.5	80	120
Toluene	0.0439	0.00200	0.0464	0	94.7	80	120
trans-1,2-Dichloroethene	0.0439	0.00100	0.0464	0	94.6	80	120
trans-1,3-Dichloropropene	0.0477	0.00100	0.0464	0	103	80	120
Trichloroethene	0.0437	0.00200	0.0464	0	94.1	80	120
Trichlorofluoromethane	0.0436	0.00100	0.0464	0	93.9	80	120
Vinyl chloride	0.0406	0.00100	0.0464	0	87.6	80	120
Surr: 1,2-Dichloroethane-d4	197		200.0		98.7	70	120
Surr: 4-Bromofluorobenzene	204		200.0		102	75	120
Surr: Dibromofluoromethane	200		200.0		99.9	85	115
Surr: Toluene-d8	197		200.0		98.3	85	120

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	J	Analyte detected between SDL and RL
ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125A

Sample ID:	1001149-13A-DUP	Batch ID:	39171		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_100125A		Analysis Date:		01/25/10 01:30 PM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		4.30	0	0	4.232				1.70	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125B

Sample ID:	1001149-30C-DUP	Batch ID:	39183		TestNo:		D2216		Units:		WT%
SampType:	DUP	Run ID:	PMOIST_100125B		Analysis Date:		01/25/10 03:15 PM		Prep Date:		01/25/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		2.63	0	0	2.448				7.21	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_100125C

Sample ID:	1001149-51C-DUP	Batch ID:	39186	TestNo:	D2216			Units:	WT%
SampType:	DUP	Run ID:	PMOIST_100125C	Analysis Date:	01/25/10 04:30 PM			Prep Date:	01/25/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture	3.79	0	0	3.737				1.31	30	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: WC_100128D

Sample ID:	MB-39261	Batch ID:	39261	TestNo:	SW1010	Units:	°C
SampType:	MBLK	Run ID:	WC_100128D	Analysis Date:	01/28/10 01:00 PM	Prep Date:	01/28/10

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability	>100	0								

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1001149
Project: SRC FFTA

ANALYTICAL QC SUMMARY REPORT

RunID: WC_100128D

Sample ID:	ICV-100128	Batch ID:	IGN_S-1/28/10		TestNo:		SW1010		Units:		°C
SampType:	ICV	Run ID:	WC_100128D		Analysis Date:		01/28/10 01:00 PM		Prep Date:		01/28/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability		60	0	66.00	0	90.9	90	110			

Sample ID:	CCV-100128	Batch ID:	IGN_S-1/28/10		TestNo:		SW1010		Units:		°C
SampType:	CCV	Run ID:	WC_100128D		Analysis Date:		01/28/10 01:00 PM		Prep Date:		01/28/10
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Ignitability		60	0	66.00	0	90.9	90	110			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

HWMC

Hazardous Waste Management Center
Building 1870
WSMR, NM 88002
(575) 678-4641

Waste Turn-in Sheet

Date: 3-17-2011	Name of HWMC Receiving Person:

Section A: Container Information

Container No.(s): 2011-0131	Waste Profile [X] Awaiting Analysis [ ]	Waste Profile Number: ARC 11 070 01
Accumulation Start Date: 3-17-2011		

Description/Nomenclature:	Liquid [ ]	Solid [X]	Cylinder [ ]	Material to Waste [ ]
Solid, Soil from Stallion Fire Fighter Training area				

Type/Size of Container (DOT Code):	Gross Weight (Lbs): 35,340 LBS
DM [ ] Size:	
DF [ ] Size:	
Other [ ] (state type & size): Truck / 20 CO yd trailer	

Container Received is Acceptable: Yes [ ] No [ ]	Container Supplied by HWMC: Yes [ ] No [ ]	Other [ ] (provide explanation in comments section below):

Section B: Generator Information

Organization/Contractor/Project: Arcadis

Point of Contact: Brad Davis	Signature: Brad T. Davis	Telephone: 678-3397

Section C: HWMC Personnel Only

Accumulation/Storage Location:

90 Day-1 [ ]	90 Day-2 [ ]	90 Day-3 [ ]	90 Day-4 [ ]	90 Day-5 [ ]	90 Day Yd [ ]	90 Day Poly Tank 1 [ ]
LTS A [ ]	LTS B [ ]	LTS C [ ]	LTS D [ ]	S22895#	22895 PAD [ ]	90 Day Poly Tank 2 [ ]

Container Moved To: On (Date):	Other: Shipped Rhino Landfarm

Waste Disposal Cost:

Time Req'd to Process Waste: Hrs: Min:		Container Cost:		
CLIN ID:	Cost Per Lb: $	Type:	Qty:	$
Total:		Type:	Qty:	$
1348 No.:				
Disposal Cost:	Customer APC/JONO:			
Delivery Order No:	Line Item No.:	Manifest No.:		
Comments:				

20110131

HWMC

Hazardous Waste Management Center
Building 1870
WSMR, NM 88002
(575) 678-4641

Waste Turn-in Sheet

Date: 3-18-2011	Name of HWMC Receiving Person:

Section A: Container Information

Container No.(s): 2011-0132, 20110133	Waste Profile [X] Awaiting Analysis [ ]	Waste Profile Number: ARC 1107001
Accumulation Start Date: 3-18-2011		

Description/Nomenclature: Solid, Soil from Stallion Firefighter training area	Liquid [ ]	Solid [ ]	Cylinder [ ]	Material to Waste [ ]

Type/Size of Container (DOT Code):	Gross Weight (Lbs):
DM [ ] Size: 20110132	38,740 LBS
DF [ ] Size: 20110133	45,420 LBS
Other [X] (state type & size): Truck and 20 cuyd trailers	

Container Received is Acceptable: Yes [ ] No [ ]	Container Supplied by HWMC: Yes [ ] No [ ]	Other [ ] (provide explanation in comments section below):

Section B: Generator Information

Organization/Contractor/Project: Arcadis		
Point of Contact: Brad Davis	Signature: Brad T. Davis	Telephone: 678-3397

Section C: HWMC Personnel Only

Accumulation/Storage Location:

90 Day-1 [ ]	90 Day-2 [ ]	90 Day-3 [ ]	90 Day-4 [ ]	90 Day-5 [ ]	90 Day Yd [ ]	90 Day Poly Tank 1 [ ]
LTS A [ ]	LTS B [ ]	LTS C [ ]	LTS D [ ]	S22895#	22895 PAD [ ]	90 Day Poly Tank 2 [ ]

Container Moved To: On (Date):	Other: Shipped Rhino Land Farm

Waste Disposal Cost:

Time Req'd to Process Waste: Hrs: Min:		Container Cost:		
CLIN ID:	Cost Per Lb: $	Type:	Qty:	$
Total:		Type:	Qty:	$

1348 No.:	
Disposal Cost:	Customer APC/JONO:
Delivery Order N	Manifest No.:
Comments: 20110132	20110133

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NM2750211235	1	800-762-0241	ARC1107001-03

5. Generator's Name and Mailing Address: US Army White Sands Missile Range, 100 Headquarters Ave, WSMR, NM 88002

Generator's Site Address (if different than mailing address): Stallion Range Center, Former Fire Fighting Training Area, Soil Boring #6 Location

Generator's Phone: (575) 678-1007

6. Transporter 1 Company Name: Rhino Environmental, PO Box 310, Canutillo, TX 79835 — 915-886-4355 — U.S. EPA ID Number: NM # 494

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Rhino's DP-1051 Landfarm, 1.7 mls N. of NM/TX State line, Hwy 54, Otero County, NM — U.S. EPA ID Number: NM # DP-1051

Facility's Phone: 915-886-4355

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Petroleum Impacted Soil	1	DT	38,740 lbs 20 yd³	
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Cell E-5
Truck # 524 Trailer # 134

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: John H. Mosley — Signature — Month 3 Day 18 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza 524 — Signature — Month 03 Day 18 Year 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NM2750211235	1	800-762-0241	ARC 110T001-03

5. Generator's Name and Mailing Address: US Army White Sands Missile Range, 100 Headquarters ave, WSMR, NM 88002

Generator's Phone: 575) 678,1007

Generator's Site Address (if different than mailing address): Station Range Center, Former Fire fighting training Area, Soil Boring #6 location

6. Transporter 1 Company Name: Rhino Environmental, P.O. Box 310 Canutillo, Tx 79835 — 915) 886,4355 — U.S. EPA ID Number: NM #494

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Rhino OP-1051 landfarm, 62 mls of NM, Tx Stateline Hwy 54, Otero County, NM — U.S. EPA ID Number: NM #DP-1051

Facility's Phone: 915) 886,4355

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. non Hazardous Petroleum impacted soil	1	DT	45,420 20	LB
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Cell E-South Truck # 525 Trailer # 130

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: John H. Mosley — Signature: John H. Mosley — Month 3 Day 18 Year 11

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Transporter Signature (for exports only): — Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivero 525 — Signature: [signature] — Month 3 Day 18 Year 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NM2750211235	1	(800) 762-0241	022311-1

GENERATOR

5. Generator's Name and Mailing Address

US Army White Sands Missile Range
100 Headquarters Ave
WSMR, NM 88002

Generator's Phone: (575) 678 1007

Generator's Site Address (if different than mailing address)

Stallion Range Center
Former Fire Fighting Training Area
Soil Boring #6 Location

6. Transporter 1 Company Name: Rhino Environmental Services, Inc. PO Box 310 Canutillo, TX 79835 (915) 886-4355 — U.S. EPA ID Number: DOT# 434613, State ID # 494

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address

Rhino's DP-1051 Landfarm Facility
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM

Facility's Phone: (915) 886-4355

U.S. EPA ID Number: State ID # DP1051

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Petroleum Contaminated Soil	1	Dump	35,340 LB 20	yd³
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Waste Description: Non-Hazardous Gasoline Contaminated Soil

Cell E-S Truck # 524 Trailer # 134

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: John H. Mosley — Signature: [signature] — Month 3 Day 17 Year 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esquivel 524 — Signature: [signature] — Month 03 Day 17 Year 11

Transporter 2 Printed/Typed Name: Truck #: _____ — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

ARCADIS

Appendix F

Survey Data

ZIA LC

STALLION RANGE BORES

12 February 2010

INPUT	OUTPUT
Geographic, NAD83	UTM, NAD83
Vertical - GRS80 (Geoid03), U.S. Feet	13 - 108W to 102W, Meters
	Vertical - NAVD88, U.S. Feet

C327

1/12

Latitude: 33.8098312167 N
Longitude: 106.645031117 W
Elevation/Z: 4811.6197

Northing/Y: 3742287.227
Easting/X: 347739.220
Elevation/Z: 4884.708
Convergence: -0 54 55.92329
Scale Factor: 0.999885803
Combined Factor: 0.999655727

BG1

2/12

Latitude: 33.811037217 N
Longitude: 106.653708997 W
Elevation/Z: 4846.2045

Northing/Y: 3742433.834
Easting/X: 346938.076
Elevation/Z: 4919.301
Convergence: -0 55 13.42084
Scale Factor: 0.999888819
Combined Factor: 0.999657089

BG2

3/12

Latitude: 33.811258028 N
Longitude: 106.653606475 W
Elevation/Z: 4846.7894

Northing/Y: 3742458.168
Easting/X: 346947.960
Elevation/Z: 4919.884
Convergence: -0 55 13.23440
Scale Factor: 0.999888781
Combined Factor: 0.999657024

BG3

4/12

Latitude: 33.811549775 N
Longitude: 106.653455042 W
Elevation/Z: 4848.8340

Northing/Y: 3742490.295
Easting/X: 346962.497
Elevation/Z: 4921.927
Convergence: -0 55 12.95605
Scale Factor: 0.999888727
Combined Factor: 0.999656871

Remark:

ZIA LC

STALLION RANGE BORES

12 February 2010

INPUT	OUTPUT
Geographic, NAD83	UTM, NAD83
Vertical - GRS80 (Geoid03), U.S. Feet	13 - 108W to 102W, Meters
	Vertical - NAVD88, U.S. Feet

SB1

5/12

Latitude: 33.810857850 N
Longitude: 106.653342317 W
Elevation/Z: 4844.5007

Northing/Y: 3742413.398
Easting/X: 346971.699
Elevation/Z: 4917.597
Convergence: -0 55 12.67038
Scale Factor: 0.999888692
Combined Factor: 0.999657044

SB2

6/12

Latitude: 33.810963872 N
Longitude: 106.653254467 W
Elevation/Z: 4845.3383

Northing/Y: 3742425.025
Easting/X: 346980.020
Elevation/Z: 4918.434
Convergence: -0 55 12.50344
Scale Factor: 0.999888661
Combined Factor: 0.999656972

SB3

7/12

Latitude: 33.811088192 N
Longitude: 106.653219475 W
Elevation/Z: 4845.3383

Northing/Y: 3742438.759
Easting/X: 346983.480
Elevation/Z: 4918.434
Convergence: -0 55 12.44403
Scale Factor: 0.999888647
Combined Factor: 0.999656959

SB4

8/12

Latitude: 33.811214561 N
Longitude: 106.653120722 W
Elevation/Z: 4845.7598

Northing/Y: 3742452.625
Easting/X: 346992.847
Elevation/Z: 4918.854
Convergence: -0 55 12.25700
Scale Factor: 0.999888612
Combined Factor: 0.999656904

Remark:

ZIA LC

STALLION RANGE BORES

12 February 2010

INPUT	OUTPUT
Geographic, NAD83	UTM, NAD83
Vertical - GRS80 (Geoid03), U.S. Feet	13 - 108W to 102W, Meters
	Vertical - NAVD88, U.S. Feet

SB5

9/12

Latitude: 33.811161247 N
Longitude: 106.653021403 W
Elevation/Z: 4845.9854

Northing/Y: 3742446.566
Easting/X: 347001.945
Elevation/Z: 4919.080
Convergence: -0 55 12.05332
Scale Factor: 0.999888578
Combined Factor: 0.999656858

SB6

10/12

Latitude: 33.811034761 N
Longitude: 106.653120700W
Elevation/Z: 4844.6539

Northing/Y: 3742432.687
Easting/X: 346992.528
Elevation/Z: 4917.749
Convergence: -0 55 12.24144
Scale Factor: 0.999888613
Combined Factor: 0.999656958

SB7

11/12

Latitude: 33.810919800 N
Longitude: 106.653171261 W
Elevation/Z: 4844.6768

Northing/Y: 3742420.014
Easting/X: 346987.643
Elevation/Z: 4917.773
Convergence: -0 55 12.33286
Scale Factor: 0.999888632
Combined Factor: 0.999656975

SB8

12/12

Latitude: 33.810813231 N
Longitude: 106.653256489 W
Elevation/Z: 4844.3336

Northing/Y: 3742408.323
Easting/X: 346979.564
Elevation/Z: 4917.430
Convergence: -0 55 12.49449
Scale Factor: 0.999888662
Combined Factor: 0.999657022

Remark:

ZIA LC

STALLION-BORES 4-30-10

3 May 2010

INPUT	OUTPUT
Geographic, NAD83	UTM, NAD83
Vertical - GRS80 (Geoid03), U.S. Feet	13 - 108W to 102W, Meters
	Vertical - NAVD88, U.S. Feet

SB 009

1/2

Latitude: 33 48 39.79240N
Longitude: 106 39 10.73842W
Elevation/Z: 4845.0128

Northing/Y: 3742434.554
Easting/X: 347005.318
Elevation/Z: 4918.108
Convergence: -0 55 11.96683
Scale Factor: 0.999888565
Combined Factor: 0.999656892

SB 010

2/2

Latitude: 33 48 39.38119N
Longitude: 106 39 10.95021W
Elevation/Z: 4844.4064

Northing/Y: 3742421.975
Easting/X: 346999.669
Elevation/Z: 4917.502
Convergence: -0 55 12.07489
Scale Factor: 0.999888586
Combined Factor: 0.999656943

Remark:

ARCADIS

Appendix G

Statistical Evaluation and Background Data

ARCADIS

Appendix G
Statistical Evaluation of Background Data

The following discussion presents the methodologies and results from the statistical evaluation of metals concentrations in background samples collected during the RCRA Facility Investigation at the Stallion Range Center Firefighter Training Area.

Background Data Set

Soil samples were collected from three borings in the background area designated by the prefix BG and analyzed for RCRA 8 metals. Samples were collected from four depth intervals from each boring: 0.5 to 1 feet below ground surface (bgs), 4 to 5 feet bgs, 8 to 10 feet bgs, and 14 to 15 feet bgs.

Accounting for Depth

A test was conducted for each metal to compare the shallow background data to the background data from the other three intervals, and no statistical difference was noted in the variances or the means. These tests indicate that the background data can be considered a single population for each metal. An evaluation of the lithologic descriptions confirmed that all soil from the total depth explored represents one soil horizon.

Upper Tolerance Limit

A background concentration for each of the six detected RCRA metals (mercury and silver were not detected in any samples) was computed by constructing a tolerance interval that would contain 95% of the background concentrations with 95% confidence. The upper limit of this interval is called the "95-95 Upper Tolerance Interval" (UTL). The UTL can be computed from the sample mean $(\bar{x})$ and standard deviation (s) from the following relation.

$$UTL = \bar{x} + K s$$

The value K can be obtained from Table 17-3 of the Unified Guidance Document (USEPA, 2009) or from Table 5 from USEPA (1989). For example, the K value for a 95% confidence and 95% coverage for a data set with 12 members is 2.736.

The following table shows the calculated background UTLs for arsenic, barium, cadmium, lead and selenium. UTLs for mercury and silver were not calculated because with the exception of one estimated value detected below the sample quantitation limit for silver in sample SB-006 (0.5 – 1' below ground surface) these two metals were not detected in any of the investigation samples.

Upper Tolerance Limits

	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Selenium mg/kg
Background - 95-95 UTL	3.0	279.4	0.342	12.89	9.26	2.42

Notes:
mg/kg: milligram per kilogram
UTL: Upper tolerance limit

References

USEPA, 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance, EPA 530/R-09-007. March 2009

USEPA, 1989. "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities -Interim Final Guidance;" EPA/530-SW-89-026; 1989