Final Quarter 9 Memorandum Outdoor Ambient Air Study

Operable Unit Number 7 of the Libby Asbestos Superfund Site



Prepared for:

Montana Department of Environmental Quality Helena, Montana

Prepared by:

Tetra Tech Helena, Montana

July 2013

Final QUARTER 9 MEMORANDUM OUTDOOR AMBIENT AIR STUDY

Operable Unit Number 7 of the Libby Asbestos Superfund Site

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Prepared for:

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY Remediation Division

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CONTENTS

Section	<u>Page</u>
LIST O	F ACRONYMS AND ABBREVIATIONSii
1.0	INTRODUCTION
2.0 2.1 2.2	QUARTER 9 AMBIENT AIR MONITORING PLAN IMPLEMENTATION1QUARTER 9 SAMPLING SCHEDULE4MODIFICATIONS, ISSUES, AND RESOLUTIONS42.2.1 Modifications to Ambient Air Sampling Protocol42.2.2 Pump Failures and Repairs5
3.0 3.1 3.2	OUTDOOR AMBIENT AIR MONITORING DATA 5 DATA VALIDATION PROCEDURES AND FINDINGS 5 3.1.1 Selection of TEM Records for Review 6 3.1.2 Consistency Review of Laboratory Bench Sheets 6 3.1.3 Verification of Data Transfer from Bench Sheet to Database 7 3.1.4 Review of Field and Laboratory Quality Control Sample Results 7 AMBIENT AIR LA ASBESTOS DETECTIONS 8
4.0	REFERENCES
Append	dices (Provided on the attached CD)
A B C	QUARTER 9 OU7 OUTDOOR AMBIENT AIR FIELD SAMPLING DATA SHEETS (FSDS) MAY 10, 2012 THROUGH AUGUST 2, 2012 OU7 OUTDOOR AMBIENT AIR SAMPLING MODIFICATION (TFO-00005) YEAR 1 THROUGH YEAR 3 CUMULATIVE AMBIENT AIR MONITORING VALIDATED ANALYTICAL RESULTS
	TABLES
<u>Table</u>	<u>Page</u>
2-1 2-2	Year 3 OU7 Outdoor Ambient Air Sampling Locations
<u>Figure</u>	FIGURE Page
2-1	Year 3 OU7 Outdoor Ambient Air Sampling Station Locations

LIST OF ACRONYMS AND ABBREVIATIONS

COC Chain-of-custody

DEQ Montana Department of Environmental Quality

EDD Electronic data deliverables

ESAT Environmental Services Assistance Team

FSDS Field sampling data sheet

ISO International Organization for Standardization

LA Libby amphibole

OU7 Operable Unit Number 7

QC Quality control

SOP Standard operating procedure
SRC Syracuse Research Corporation
TEM Transmission electron microscopy

TFO Troy Field Office
Tetra Tech Tetra Tech EM Inc.

1.0 INTRODUCTION

As part of the remedial investigation in Operable Unit Number 7 (OU7) of the Libby Asbestos Superfund Site, Tetra Tech EM Inc. (Tetra Tech) continued to conduct outdoor ambient air monitoring for the Montana Department of Environmental Quality (DEQ) to evaluate the presence of Libby Amphibole (LA) asbestos in outdoor ambient air throughout residential and commercial areas in and around Troy, Montana.

The outdoor ambient air monitoring program implemented by Tetra Tech is based on the Remedial Investigation Work Plan, Outdoor Ambient Air Study (Tetra Tech 2009a) and the associated health and safety plan (Tetra Tech 2009b) and includes monitoring of ambient air in four distinct "air zones" across OU7. After taking into account variable wind patterns, Tetra Tech established seven initial monitoring station locations in the four air zones during year 1 to evaluate human health exposure scenarios throughout OU7. Year 1 began on October 30, 2009 and ended on October 27, 2010. Monitoring was reported by quarter (1 through 4) with nine sampling periods per quarter. As the ambient air monitoring continued into year 2, six of the seven station locations from year 1 were moved to different locations to further support data collection efforts for the OU7 human health risk assessment. For year 3, the number of stations was reduced to four, and station locations were moved back to four of the original year 1 locations.

This Quarter 9 Memorandum summarizes activities of the outdoor ambient air monitoring program related to placement of monitoring stations, maintenance performed, monitoring activities, issues encountered, and resolutions from May 10, 2012 through August 2, 2012. This report also provides a summary of quarter 9 validated ambient air data. Sampling data from periods 73 through 81 were validated during quarter 9 using methods described in Section 3.1 and the results are provided in Section 3.2.

2.0 QUARTER 9 AMBIENT AIR MONITORING PLAN IMPLEMENTATION

Quarter 9 OU7 ambient air monitoring was initiated on May 10, 2012 and was the first quarter of year 3 monitoring. Initial field activities, such as selection of site monitoring stations and assembly and installation of monitoring equipment, are described in the Quarter 1 Memorandum (Tetra Tech 2010). At the start of quarter 9 (beginning of year 3), four monitoring stations were placed at their new locations to collect further data in support of the OU7 human health risk assessment. The year 3 station locations

were chosen from year 1 locations. Figure 2-1 shows the year 3 monitoring station locations and Table 2-1 provides the general and detailed locations and rationale for the four year 3 station locations.

TABLE 2-1
YEAR 3 OU7 OUTDOOR AMBIENT AIR SAMPLING LOCATIONS

Station Number	Location*	Purpose
T21	Upwind and downwind site near the northern border of OU7	This site is used to evaluate LA concentrations at the small community area near the northernmost boundary of OU7 and confirm if any LA is entering or leaving OU7 through Air Zone 1
T22	City of Troy population exposure site	This site is used to evaluate LA concentrations in the Troy community (specifically in the population center) of Air Zone 2
T23	City of Troy southern site	This site is used to evaluate LA concentration south of the Troy community in Air Zone 3
T24	SE upwind and downwind site	This site is used to evaluate LA concentrations at the southeastern boundary of OU7 and confirm if any LA is entering or leaving OU7through Air Zone 4
TXXQC	Rotating co-located sampling station to each of the four sampling locations	Co-located sampling station to evaluate analytical variability at each of the four station locations

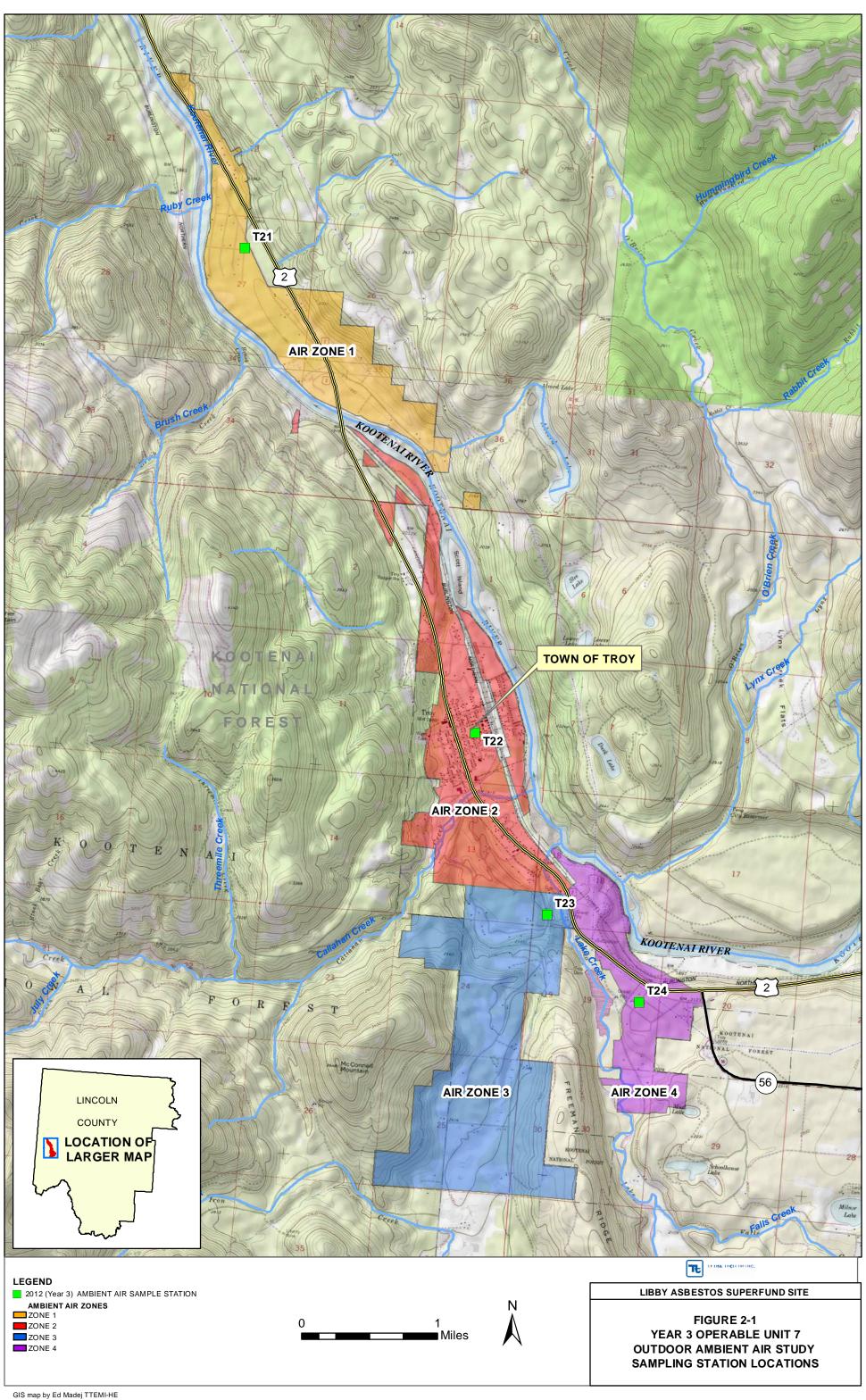
Notes:

LA Libby Amphibole XX Station Location Number

OU Operable Unit QC Quality Control

During quarter 9 monitoring, none of the four fixed monitoring stations needed to be moved for property owner activities or overloading issues; however, some mechanical issues were encountered related to pump faults and pump failures. Section 2.1 provides the quarter 9 sampling schedule and Section 2.2 presents a summary of issues encountered and resolutions to those issues.

^{*} Predominant winds in the area blow from the southeast and northwest. Stations near the northern and southern boundaries of OU7 act as upwind and downwind receptors depending on wind direction. A summary of historical meteorological conditions is in Section 4.4.1.of the Ambient Air RI Work Plan (Tetra Tech 2009a).



2.1 QUARTER 9 SAMPLING SCHEDULE

Quarter 9 ambient air sampling consisted of nine 5-day sampling periods generally separated by five off days between each period. Between some sampling periods, the 5 days were modified by 1 or 2 days to adjust for weather or scheduling issues; the overall sampling schedule was not impacted. Quarter 9 sampling began with period 73 on May 10, 2012 and ended with period 81 on August 2, 2012. Table 2-2 provides a summary of sampling dates for periods 73 through 81.

TABLE 2-2
OU7 OUTDOOR AMBIENT AIR SAMPLING
OUARTER 9 SAMPLE PERIOD DATES

QUARTER 5 SAMPLE PERIODS		
Sample Period 73	May 10, 2012 through May 14, 2012	
Sample Period 74	May 20, 2012 through May 24, 2012	
Sample Period 75	May 30, 2012 through June 3, 2012	
Sample Period 76	June 9, 2012 through June 13, 2012	
Sample Period 77	June 19, 2012 through June 23, 2012	
Sample Period 78	June 29, 2012 through July 3, 2012	
Sample Period 79	July 9, 2012 through July 13, 2012	
Sample Period 80	July19, 2012 through July 23, 2012	
Sample Period 81	July29, 2012 through August 2, 2012	

2.2 MODIFICATIONS, ISSUES, AND RESOLUTIONS

Prior to quarter 9 sampling, one modification to field data collection was implemented (Troy Field Office [TFO]-00005). There were several mechanical (pump) issues. Section 2.2.1 presents a summary of the TFO modifications implemented and Section 2.2.2 provides a discussion of quarter 9 issues and the resolutions.

2.2.1 Modifications to Ambient Air Sampling Protocol

Prior to initiating quarter 9 sampling, TFO-00005 (Ambient Air Station Locations) was implemented. TFO-00005 called for a reduction in the number of ambient air monitoring stations (from 7 to 4) and for the stations to be relocated for the year 3 sampling so that the four "air zones" identified in OU7 were covered. This modification was implemented to provide additional data to support the human health risk analysis related to ambient air exposure. Year 3 monitoring station locations are shown on Figure 2-1 and are described in Table 2-1. TFO-00005 is provided in Appendix B.

2.2.2 Pump Failures and Repairs

The primary issue noted during quarter 9 monitoring was four pump failures that were attributed to pump faults related to software. When failures were identified, Tetra Tech attempted to minimize data loss by reprogramming or replacing the pumps and re-starting sample collection. The Field Sampling Data Sheets (FSDS) were used to record these activities. As each of the four locations where pumps experienced further pump faults, the pumps collected insufficient volume for proper analysis so samples were voided. Monitoring locations with voided samples included: (1) Station T22 during period 73, (2) Station T24QC during period 76, (3) Station T23 during period 79, and (4) Station T23QC during period 79.

During this reporting period, two new pumps were purchased from SKC and were placed in the sampling rotation as replacements for the malfunctioning pumps. No further pump failures were noted during quarter 9.

3.0 OUTDOOR AMBIENT AIR MONITORING DATA

During this reporting period, samples from Periods 73 through 81 were submitted to the Environmental Services Assistance Team (ESAT) laboratory for Transmission Electron Microscopy (TEM) analyses. All sample filter cassettes were shipped under chain-of-custody (COC) protocol to the ESAT Laboratory in Golden, Colorado, where the samples were stored in desiccators to prevent the growth of mold prior to analysis.

During quarter 9, sample results for Periods 73 through 81 were also validated. The following sections provide a description of the data validation procedures, data validation findings, and a summary of LA detections for the Period 73 to 81 samples.

3.1 DATA VALIDATION PROCEDURES AND FINDINGS

During quarter 9, Tetra Tech conducted data review and data entry verification of the TEM data from sampling Periods 73 through 81 in accordance with standard operating procedure (SOP) EPA-LIBBY-09, Revision 2 (CDM 2012b). Tetra Tech followed the data review and verification procedures outlined in this SOP, with minor deviations for OU7. Approximately 25 percent of the Period 73 through 81 data records were reviewed and verified. The records were selected in accordance with the SOP process for selecting TEM records for review and verification.

Tetra Tech's verification and validation process has three steps: (1) the selection of data records for review and verification, (2) a review of the original laboratory bench sheets, and (3) verification of the transfer of results from the bench sheets onto the electronic data deliverables (EDD) and verification that the electronic data were uploaded properly to the LibbyTTOU7Field database. Tetra Tech also reviewed field quality control (QC) sample results for adherence to minimum frequency requirements and procedures and the QC limits specified in the ambient air study work plan (Tetra Tech 2009a). The data verification and validation process is described in detail in the subsections below.

3.1.1 Selection of TEM Records for Review

SOP EPA-LIBBY-09 specifies review and verification of a minimum of 10 percent of the sample records. Tetra Tech reviewed 25 percent of the sample records for Periods 73 through 81. The records were queried from the LibbyTTOU7Field database using applicable selection criteria specified in SOP EPA-LIBBY-09, Revision 2 (CDM 2012b). The criteria are used to select a representative subset of the sample records for review and verification based on analytical laboratory, analyst, and detected and non-detected results. The record selection process is described in detail in SOP EPA-LIBBY-09, Revision 2 (CDM 2012b).

3.1.2 Consistency Review of Laboratory Bench Sheets

Tetra Tech inspected the information recorded on the original hand-written laboratory bench sheets in accordance with the consistency review of laboratory bench sheets procedure outlined in Section 5 of SOP EPA-LIBBY-09, Revision 2 (CDM 2012b), with minor modifications for OU7. The bench sheets were reviewed to identify any data omissions, apparent inconsistencies, or potential errors in structure identification. The review included determining whether the raw structure data were recorded in accordance with International Organization for Standardization (ISO) 10312 counting rules (as modified by all applicable Libby laboratory modifications).

Corrective Action – Tetra Tech summarized all apparent inconsistencies, omissions, and suspected errors, and provided them to ESAT, which forwarded them to the appropriate laboratories for response. The ESAT laboratory determined which items were authentic errors requiring correction. None of the inconsistencies, omissions, or suspected errors identified during the quarter 9 data review and verification affected the outcome of interest to the investigation (i.e., the number of LA structures or the concentration of LA). Tetra Tech anticipates the analytical laboratories may submit revised bench sheets to ESAT. If this occurs, Tetra Tech will download the revised documents provided by ESAT, review them, and replace the previous ones as appropriate.

3.1.3 Verification of Data Transfer from Bench Sheet to Database

To ensure that data from laboratory bench sheets are transferred, through the EDD, into the LibbyTTOU7Field database without error or omission, Tetra Tech compared selected analysis-specific information in the laboratory bench sheets to that in the EDD. Tetra Tech followed the verification of data transfer procedure outlined in Section 6.0 of SOP EPA-LIBBY-09, Revision 2 (CDM 2012b), modified as needed for OU7. The bench sheets include the laboratory COC form, sample check-in form, preparation log, and hand-written data record sheets. This process compared analysis-specific information in the EDD to the original laboratory job documentation (e.g., internal laboratory COC, preparation logs, bench sheets, etc.) and included verifying (by recalculation) the reported air sensitivities for amphibole and chrysotile; the area analyzed; and for indirect preparations, the indirect preparation dilution factor. Using the bench sheets, Tetra Tech recounted the countable LA structures across all grid openings evaluated and compared this number (and the calculated concentrations) to the total number of LA structures in the EDD.

The final step in the process was to verify that the data were loaded into the LibbyTTOU7Field database without error or omission. This was done for the records reviewed for Periods 73 through 81.

Corrective Action – Tetra Tech summarized all apparent inconsistencies, omissions, and suspected errors, and provided them to ESAT, which forwarded them to the appropriate laboratories for response. The ESAT laboratory determined which items were authentic errors requiring correction. None of the inconsistencies, omissions, or suspected errors identified during the data review and verification affected the outcome of interest to the investigation (i.e., the number of LA structures or the concentration of LA). Tetra Tech anticipates the analytical laboratories may submit revised bench sheets and EDDs to ESAT. If this occurs, Tetra Tech will download the revised documents provided by ESAT, review them, and replace the previous ones as appropriate.

3.1.4 Review of Field and Laboratory Quality Control Sample Results

Review of field and laboratory QC sample results, including implementation of corrective actions, is ongoing and is completed as QC sample data are successfully loaded into the LibbyTTOU7Field database.

Tetra Tech reviews field QC samples (including co-located samples and field blanks) and the laboratories review laboratory QC samples for adherence to the minimum frequency requirements set forth in the

work plan (Tetra Tech 2009a) and in project-specific SOP LB-000029C (CDM 2012a), and for conformance with the QC limits specified in SOP LB-000029C (CDM 2012a).

For the co-located field samples, Tetra Tech uses the same statistical comparison test used for the Libby ambient air study (SRC 2009). Each co-located sample pair is compared using a statistical comparison of two poisson rates (Nelson 1982), included as Attachment 3 to SOP LB-000029C (CDM 2012a), to determine whether the results are statistically different at the 95 percent confidence level. The poisson rate test is suitable for this analysis because fiber counts on TEM grids are considered independent and random.

Corrective Action – For laboratory QC sample exceptions to QC criteria, the appropriate corrective actions are described in detail in LB-000029b (CDM 2012a). For co-located field sample pairs, Tetra Tech reviews the Poisson rate test results and investigates the basis for any statistical differences and the need for any appropriate corrective actions. Poisson rate test results at the 95 percent confidence interval indicate the co-located samples are considered to have good similarity. Test results in the 90 to 95 percent confidence interval range are considered acceptable, and test results that fall below the 90 percent interval are considered poor for similarity. If test results are below the 90 percent interval, Tetra Tech will investigate the basis for the discrepancy and take corrective action in sampling and analysis of the samples.

Tetra Tech has reviewed and will continue to review the results for all field blanks for adherence to the QC limits specified in SOP LB-000029C (CDM 2012a). All of the field blank results to date are within OC limits.

3.2 AMBIENT AIR LA ASBESTOS DETECTIONS

LA asbestos was detected in one sample from Period 73, Period 75, and Period 78. It was also detected in two Period 81 samples. Table B-1 (Appendix B) presents a summary of LA asbestos detections for all sampling periods through quarter 9. LA detections by station for Periods 73 through 81 are summarized below:

Station T21 (located near the fire station in Kootenai Vista):

One LA asbestos fiber in the sample from Period 81 (concentration of 3.47E-05)

Station 21QC (co-located sample near fire station in Kootenai Vista):

One LA asbestos fiber in the sample from Period 73 (concentration of 4.00E-05)

Three LA asbestos fibers in the sample from Period 81 (concentration of 1.08E-04)

Station T22 (located at the Troy DEQ Information Center):

Two LA asbestos fibers in the sample from Period 75 (concentration of 7.99E-05)

Station T23 (located at the Troy Water Tower):

One LA asbestos fiber in the sample from Period 78 (concentration of 4.00E-05)

The remaining samples collected during Periods 73 to 81 had no detectable LA asbestos. Complete analytical results and a summary of validation findings for sample Periods 73 to 81 are provided in Appendix B.

4.0 REFERENCES

- CDM, Smith (CDM). 2012a. Request for Modification to Laboratory Activities (LB-000029C). May 4.
- CDM. 2012b. Standard Operating Procedure for TEM Data Review and Data Entry Verification. Revision 2. September 4.
- Nelson, WB. 1982. Applied Life Data Analysis. John Wiley and Sons. Hoboken, NJ.
- SRC. 2009. Summary of Outdoor Ambient Air Monitoring For Asbestos at the Libby Asbestos Superfund Site (October 2006 to June 2008). February.
- Tetra Tech EM Inc. (Tetra Tech). 2009a. Remedial Investigation Work Plan, Outdoor Ambient Air Study, Operable Unit 7 of the Libby Asbestos Superfund Site. October.
- Tetra Tech. 2009b. Operable Unit 7 Ambient Air Study Health and Safety Plan. October.
- Tetra Tech. 2010. First Quarter Memorandum, Outdoor Ambient Air Study, Operable Unit 7 of the Libby Asbestos Superfund Site. February.

APPENDIX A

QUARTER 9 OU7 OUTDOOR AMBIENT AIR FIELD SAMPLING DATA SHEETS (FSDS) MAY 8, 2012, THROUGH AUGUST 2, 2012

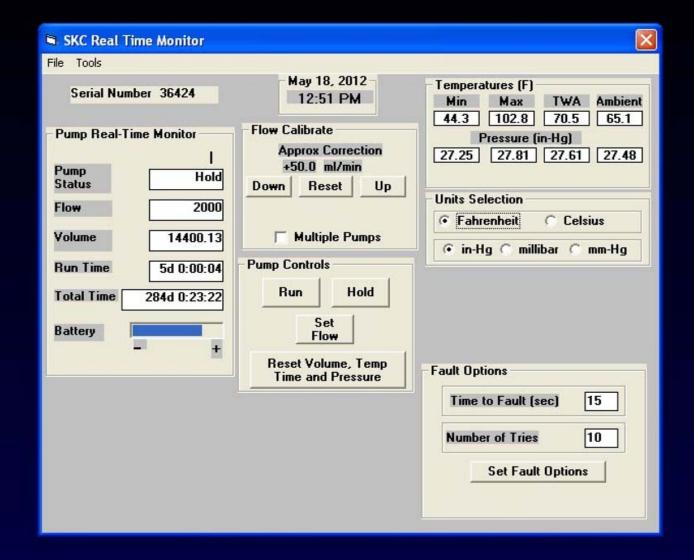


OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATAS TA-20329

Station Location: T-21 (Fire	e Station) Sample ID #:
Field Technician:	Filter Lot #: 21989-07
Pump Type/Model: SKC AirC	Chek 2000 Sample Type TEM
Pump Number: 36424	Sample Parent ID #:
Sampling Period 73	
PUMP SETUP DAY	
	Timer Beginning Date/Time: 5-10-12/2400
Date: 5-9-12	Beginning Flow Rate (L/min): 2
Date: 5-9-12 Time: 0904	Pump Programmed (Yes / No): Yes
-	Bios Calibration Within 10 mL (Yes / No) Ye 5
	», »
PUMP RETRIEVAL DAY	Tr.
	Timer Ending Date/Time: 5-15-12 /2400
Date: 5-15-12	Ending Flow Rate (L/min): 2
Time: 12:49	Total Sample Volume (L): ○ F ← o
	Total Sample Time (min): 72 00
	Atmospheric Pressure (INS) 27.54
	Temperature inside station unit (°F): 56, 2
	BOXTEMP. 80
COMMENTS: (Please note all photogr	raphs taken, major storm events, vandalism, and reason for pump faul
7	
SIGNATURE:	DATE: 5 - 15 - 12

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S ADDITIONAL DAILY CHECK RECORDS TA-20329

Station Location: T-21 (Fire Statio	on) Sample ID #:
Field Technician: @	Filter Lot #: 21989-07
Pump Type/Model: SKC AirChek 20	
Pump Number: 36424	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): ~ >
Date: 5 - 10 - 12 (07)	Flow Rate (L/min): 2
Time: 91.42 ()	Cumulative Sample Volume (L): 1165
	Cumulative Sample Time (min): 5%2
	Atmospheric Pressure (INS) 2 7 5 3
Te	emperature inside station unit (F): 65,4
	Battery voltage reading (volts):
80	X TEMP 60
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): 🙏
Date: 5-11-12 (04-)	Flow Rate (L/min):
Time: 10:57 ()	Cumulative Sample Volume (L). 4195
	Cumulative Sample Time (min): 2097
	Atmospheric Pressure (INS) 27.69
Te	emperature inside station unit (F): 63.4
	Battery voltage reading (volts):
	BOX TOMP 58.
DAILY CHECK (For each station visit)	DUX JEMP 38.
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:	Cumulative Sample Volume (L)
, inite	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
13	Battery voltage reading (volts):
70.	battery voltage reading (volts)
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:	Cumulative Sample Volume (L):
rinie.	
	Cumulative Sample Time (min):
T	Atmospheric Pressure (INS)
I e	NOTE AND SOUTH TO SOUTH SOUTH AND SOUTH SOUTH SOUTH AND SOUTH AND SOUTH
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No)
Date: (Field Tech Initials)	
	Flow Rate (L/min):
Time:()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
_	Atmospheric Pressure (INS)
Te	emperature inside station unit (F)
	Battery voltage reading (volts):





TETRA TECH EM INC. OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA-20333 Station Location: T-21QC(Fire Station) Sample ID #: Field Technician: 00-Filter Lot #: 21989-07 Pump Type/Model: SKC AirChek 2000 Sample Type TEM __. Pump Number 3 6 4 4 2 Sampling Period: 7 3 Sample Parent ID #: TA-20329 PUMP SETUP DAY Timer Beginning Date/Time: 5-10-12/2400 Date: 5-9-12 Beginning Flow Rate (L/min): 2 Time: 0900 Pump Programmed (Yes / No): 1 5 Bios Calibration Within 10 mL (Yes / No) PUMP RETRIEVAL DAY Timer Ending Date/Time: 5-15-12 Ending Flow Rate (L/min): こ Date: 5-15-12 Time: 12:48 Total Sample Volume (L): o F L o Total Sample Time (min): 7 2 00 Atmospheric Pressure (INS) 2 % . 0 0 Temperature inside station unit (°F): 7 H, 2 BOXTEMP - 80 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault

SIGNATURE:

DATE: 5-15-12

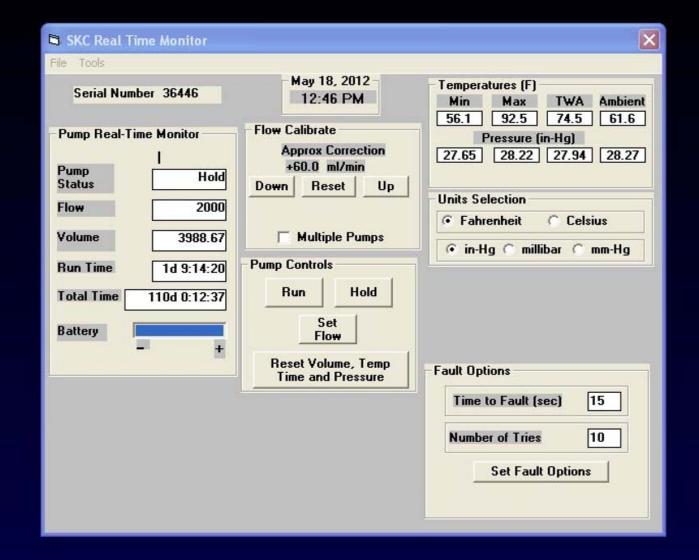
OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! TA-20333

Station Location	on: T-21QC(Fire Sta	ation) Sample ID #
Field Technica		Filter Lot #: 21989-07
	lel SKC AirChek 20	
Pump Numb	er 36424 364	42
DAILY CHECK (For ea		
	(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: 5 - 10 - 1		Flow Rate (L/min):
Time: 9: 42	()	Cumulative Sample Volume (L): 1/62
2.——A, ———A;		Cumulative Sample Time (min): 537
		Atmospheric Pressure (INS) 27,9 6
	Te	emperature inside station unit (F): 66.7
		Battery voltage reading (volts):
		ox Temp - 60
AILY CHECK (For ea	117	E48.2 E41.5 To 7.0 To 1
	(Field Tech Initials)	PUMP FAULT (Yes / No): MO
Date: 5-11-1		Flow Rate (L/min): 2
Time: 10 156	_ ()	Cumulative Sample Volume (L): 4 / 9 3
		Cumulative Sample Time (min): 2096
		Atmospheric Pressure (INS) 2 8 114
	Te	emperature inside station unit (F): 6 4. 0
		Battery voltage reading (volts):
		BOX Temp- 58
AILY CHECK (For ea	지생님이 내 있다. 이 아름다고 없다. 그 하고 하는 것들은 사람들이 되었다.	MANAGED SETT STATES AND
	(Field Tech Initials)	PUMP FAULT (Yes / No):
Date:	_ ()	Flow Rate (L/min):
Time:	_ ()	Cumulative Sample Volume (L)
		Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
	Te	emperature inside station unit (F):
	91	Battery voltage reading (volts):
AILY CHECK (For ea	ch station visit)	
	(Field Tech Initials)	PUMP FAULT (Yes / No):
Date:	()	Flow Rate (L/min):
Time:	- ; ;	Cumulative Sample Volume (L)
	-	Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
	Te	emperature inside station unit (F):
	2.0	Battery voltage reading (volts):
		Search on Tree ♥ 1 emilipant ♥ and search beauth ♥. ♥ Search 25 ♥?
AILY CHECK (For ea	- CONTROL SCHOOL STATE OF STAT	
	(Field Tech Initials)	PUMP FAULT (Yes / No):
Date:	()	Flow Rate (L/min):
Time:	()	Cumulative Sample Volume (L):
		Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
	Te	emperature inside station unit (F):
		Battery voltage reading (volts):

Otation Location	T-22 (Troy Office)	Sample ID #:	
Field Technician	GQ.	Filter Lot #:	21989-07
Pump Type/Model	SKC AirChek 2000	Sample Type	TEM
Pump Number:		Sample Parent ID #:	
Sampling Period:	73		
MP SETUP DAY			1
		Fimer Beginning Date/Time:	
Date: 5-9-12		eginning Flow Rate (L/min):	
Time: 0903		np Programmed (Yes / No):	
	Bios Calibrat	ion Within 10 mL (Yes / No)	Yes
MP RETRIEVAL DAY			
		Timer Ending Date/Time:	5-15-12/2400
Date: 5-15-12		Ending Flow Rate (L/min):	2
Time: /3 00		Total Sample Volume (L):	3988
		Total Sample Time (min):	1994
		Atmospheric Pressure (INS)_	
	Tempera	ature inside station unit (°F):	76.0
		BOXTEM	18.80

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ! TA-20330

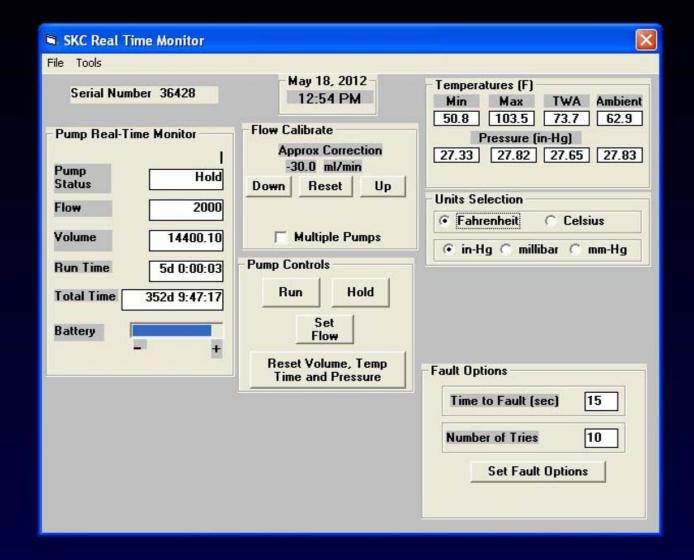
Station Location: T-22 (Troy Office Field Technician: Flump Type/Model: SKC AirChek 20 Pump Number: 36446	Filter Lot #: 21989-07
DAILY CHECK (For each station visit) (Field Tech Initials) Date: 5-10-11 (%) Time: 5123 (Sm, FS)	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Atmospheric Pressure (INS) Emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)
Te	emperature inside station unit (F): Battery voltage reading (volts):
DAILY CHECK (For each station visit) (Field Tech Initials) Date: () Time: ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Imperature inside station unit (F): Battery voltage reading (volts):
DAILY CHECK (For each station visit) (Field Tech Initials) Date: Time: Te	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Imperature inside station unit (F) Battery voltage reading (volts):
DAILY CHECK (For each station visit) (Field Tech Initials) Date: () Time: ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (°F): Battery voltage reading (volts):



Station Location:	T-23 (Iron Creek)	Sample ID #	
Field Technician:	90-	Filter Lot #:	21989-07
Pump Type/Model:	SKC AirChek 2000	Sample Type:	TEM
Pump Number;	36428	Sample Parent ID #:	
Sampling Period:	73	- 10	1.
MP SETUP DAY			
		Timer Beginning Date/Time:	5-10-12/240
Date: 5-9-12		Beginning Flow Rate (L/min):	2
Time: 0902		ump Programmed (Yes / No):	
	Bios Calibra	ation Within 10 mL (Yes / No)	7e-5
MP RETRIEVAL DAY	Ę		
		Timer Ending Date/Time:	5-15-12/2400
Date: 5-15-12		Ending Flow Rate (L/min):	2.
Time: 12:19	•	Total Sample Volume (L):	OFLO
		Total Sample Time (min):	
		Atmospheric Pressure (INS)	27.68
	Tempe	rature inside station unit (°F):	75.9
		BOXTEM	2. 1.1
MMENTS: (Please note	all photographs taken,	major storm events, vandalisr	7,70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7,70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7(70 8)
MMENTS: (Please note	all photographs taken,		7.70
MMENTS: (Please note	all photographs taken,		7.70
MMENTS: (Please note	all photographs taken,		7(70 8)

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA: TA-20331

_	Statio	n Location: T-23 (Iron Creek	Sample ID #	
		echnician: 🞾	Filter Lot # 21	989-07
		ype/Model: SKC AirChek 20	000	
	Pum	p Number: 36428		
DAILY	CHECK	(For each station visit)		
		(Field Tech Initials)	PUMP FAULT (Yes / No):	VO
	Date: 5	-10-12 (99)	Flow Rate (L/min):	2
	Time:	9:54 ()	Cumulative Sample Volume (L):	188
				594
			Atmospheric Pressure (INS)	27.58
		Te	emperature inside station unit (°F):63	. 1'
			Battery voltage reading (volts):	
			BOX Temp. 6	0 7
DAILY	CHECK	(For each station visit)		
1		(Field Tech Initials)	PUMP FAULT (Yes / No):	
	Date:	()	Flow Rate (L/min):	
	Time:	()	Cumulative Sample Volume (L):	
		- 27 177	Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
		Te	emperature inside station unit (°F):	
			Battery voltage reading (volts):	
DAILV	CHECK	(For each station visit)		
DAILT	CHECK	(Field Tech Initials)	BUMP FAULT (Ves / No)	
	Date:	(Field Tech Initials)	PUMP FAULT (Yes / No):	
	Time:		Cumulative Sample Volume (L)	
			Cumulative Sample Volume (L): Cumulative Sample Time (min).	
			Atmospheric Pressure (INS)	
		Te	emperature inside station unit (°F):	
		1.0	Battery voltage reading (volts):	
			Battery voltage reading (volta).	
DAILY	CHECK	(For each station visit)	Anthernologie-moterativis of a basis of Fred William	
		(Field Tech Initials)	PUMP FAULT (Yes / No):	
	Date:	()	Flow Rate (L/min):	
	Time:	()	Cumulative Sample Volume (L):	
	, ,		Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
		Te	imperature maide station unit (1)	
			Battery voltage reading (volts):	
DAILY	CHECK	(For each station visit)		
		(Field Tech Initials)	PUMP FAULT (Yes / No):	
	Date:	()	Flow Rate (L/min):	
	Time:		Cumulative Sample Volume (L):	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
		Ta	emperature inside station unit (°F):	
		1.0	Battery voltage reading (volts):	







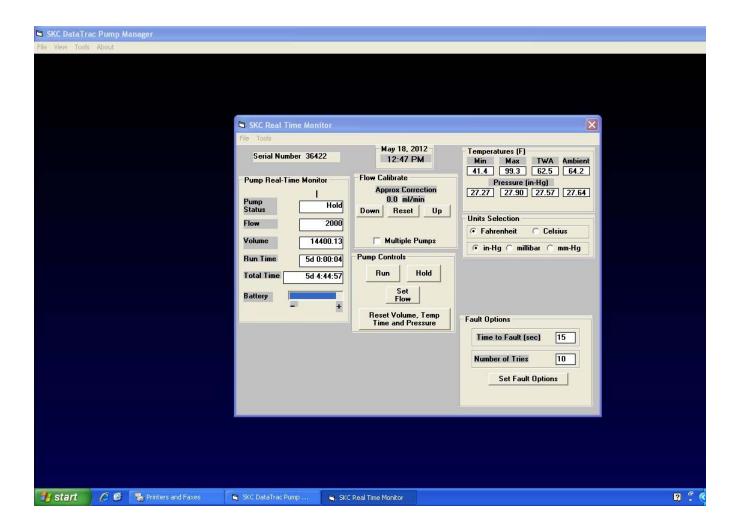




Station Location: T-24 (J	ordan) Sample ID #
Field Technician:	Filter Lot #: 21989-07
Pump Type/Model: SKC Ai	irChek 2000 Sample Type: TEM
Pump Number: 36422	Sample Parent ID #:
Sampling Period: 73	
IP SETUP DAY	-
	Timer Beginning Date/Time: 5-10-12/24
Date: 5-9-12	Beginning Flow Rate (L/min): 2
Time: 090)	Pump Programmed (Yes / No): YeS
	Bios Calibration Within 10 mL (Yes / No) Yes
P RETRIEVAL DAY	
	Timer Ending Date/Time: 6 - 15 - 17/2
Date: 515-12	Ending Flow Rate (L/min):
Time: 11: 15	Total Sample Volume (L): OFLO
	Total Sample Time (min): 7200
	Atmosperic Pressure (INS) 27.49
	Temperature inside station unit (°F): 53, 1
<u></u>	

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 ADDITIONAL DAILY CHECK RECORDS TA-20332

Station Location: T-24 (Jordan)	Sample ID #:
Field Technician:	Filter Lot #: 21989-07
Pump Type/Model: SKC AirChek 20	
Pump Number: 36422	7-2
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): VO
Date: 5-10-12 (99)	Flow Rate (L/min): 2
Time: 70100 ()	Cumulative Sample Volume (L): 12 0 1
	Cumulative Sample Time (min): 6 0 0
	Atmospheric Pressure (INS) 27 41
Te	mperature inside station unit (F): 55.5
	Battery voltage reading (volts):
	Box Temp 50.
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): W 0
Date: 5-11-17 (97)	Flow Rate (L/min): 2
Time: 1/125 ()	Cumulative Sample Volume (L): 4251
2 0	Cumulative Sample Time (min): 2125
	Atmospheric Pressure (INS) 27.54
Te	mperature inside station unit (F): 50.2
	Battery voltage reading (volts):
	BOXTEMP. 42
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric pressure (INS):
Te	mperature inside station unit (F)
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	Tall Machine Mill Control (Machine) 1 (1990) 1 (1990) 1 (1990)
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: () 🦪	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No)
Date: ()	Flow Rate (L/min):
Time:()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
Te	mperature inside station unit (F).
	Battery voltage reading (volts):





OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA-20335

Station Location:	T-21 (Fire Station)	Sample ID #:		
Field Technician:	jj	Filter Lot #:	TEM	
Pump Type/Model:	SKC AirChek 2000	Sample Type:		
Pump Number:	36424	Sample Parent ID #		
Sampling Period:	74			
JMP SETUP DAY				
		Fimer Beginning Date/Time:		
Date: 5/18/2012		Beginning Flow Rate (L/min):		
Time: 11:25	Pur	np Programmed (Yes / No):	yes	
	Bios Calibrat	ion Within 10 mL (Yes / No)	yes	
JMP RETRIEVAL DAY				
		Timer Ending Date/Time:	5/25/12-2400	
Date: 5-25-12	2	Ending Flow Rate (L/min):	2	
Time: 0856		Total Sample Volume (L):	OFLO	
		Total Sample Time (min):	6198	
	4	Atmospheric Pressure (INS)	27.36	
	Tempera	ature inside station unit (°F):	56.7	
		BOXTEMP.	48	
	740		17	
-				
1 /	11		11/21	

TA-20335

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! ADDITIONAL DAILY CHECK RECORDS

Station Location: T-21 (Fire Station) Sample ID #. Filter Lot #: 23171-01 Field Technician: jj Pump Type/Model: SKC AirChek 2000 Pump Number: 36424 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): NO (Field Tech Initials) Date: 5-21-12 Flow Rate (L/min): Cumulative Sample Volume (L): 46.2 Time: /43/ Cumulative Sample Time (min): 23// Scattored rais Atmospheric Pressure (INS) 27.26
Temperature inside station unit (F): 72.7
Battery voltage reading (volts): /2.70 BUXTEMP- 60 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): Yes (Field Tech Initials) Flow Rate (L/min): 2 Date: 5-22-12 (98 Cumulative Sample Volume (L): 5716 Time: 1620 Cumulative Sample Time (min): 2 8 5 % restarted Atmospheric Pressure (INS) 27 37 Pump Temperature inside station unit (F): 66.2 Battery voltage reading (volts): / 2. SCASSON A I BIR BOXTEMP DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): NO (Field Tech Initials) Flow Rate (L/min): 2 Date: 5-23-12 Cumulative Sample Volume (L): 770. Time: 09 4 3 Cumulative Sample Time (min): 3 9 0 1 Atmospheric Pressure (INS) 2 7-11 SC att for head a Temperature inside station unit (F): (1,5 Windy Battery voltage reading (volts): 12.59 BOXTOMP-52 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No); NO (Field Tech Initials) Date: 5-24-12 (99 Flow Rate (L/min): 2 Cumulative Sample Volume (L): oFLO Time: 0917 Cumulative Sample Time (min): 5314 Atmospheric Pressure (INS) 2 7. clondy Temperature inside station unit (F): Battery voltage reading (volts): /2 BOXTEMP-50 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): (Field Tech Initials) Date: Flow Rate (L/min) Time: Cumulative Sample Volume (L): Cumulative Sample Time (min) Atmospheric Pressure (INS) Temperature inside station unit (f): Battery voltage reading (volts):

SKC Pump History SN 36424

Date Printed: Friday, May 25, 2012 12:46 PM

Min Temp 52.1F Max Temp 87.2F TWA Temp 69.3F Min Pressure 26.9 In-Hg Max Pressure 27.6 In-Hg TWA Pressure 27.2 In-Hg

Flow Correction Approximately +50.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Flow Adjust Prog (Hold) Sleep Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold	2000	Wed May 9 2012 11:25 AM Wed May 9 2012 11:25 AM Wed May 9 2012 11:30 AM Thu May 10 2012 12:00 AM Tue May 15 2012 12:05 AM Tue May 15 2012 12:05 AM Tue May 15 2012 12:49 PM Tue May 15 2012 12:54 PM Thu May 17 2012 12:00 AM Thu May 17 2012 12:04 AM Thu May 17 2012 10:20 AM Thu May 17 2012 10:26 AM Fri May 18 2012 12:49 PM	14400	14400	0:04 5:06 12:29:27 5d 0:00:02 4:59 12:44:37 5:20 1d 11:05:02 4:58 10:15:22 6:01 1d 2:22:42 8:02
Sleep Hold		Fri May 18 2012 12:57 PM Fri May 18 2012 1:01 PM			3:59 0:03
Flow User Setup Prog (Hold) Sleep	2000	Fri May 18 2012 1:01 PM Fri May 18 2012 1:01 PM Fri May 18 2012 1:06 PM Fri May 18 2012 1:11 PM	0.033	14400	0:01 5:45 5:04 1d 10:48:03
Prog (Run) Low Bat Sleep Prog (Hold)	2000	Sun May 20 2012 12:00 AM Mon May 21 2012 11:38 PM Mon May 21 2012 11:38 PM Tue May 22 2012 4:19 PM	5717	20117	1d 23:38:22 0:10 16:41:16 0:35
Prog (Run) Hold Sleep Hold Sleep Hold	2000	Tue May 22 2012 4:20 PM Fri May 25 2012 12:00 AM Fri May 25 2012 12:05 AM Fri May 25 2012 8:55 AM Fri May 25 2012 9:01 AM Fri May 25 2012 11:40 AM	6679	26796	2d 7:39:39 4:59 8:50:36 5:34 2:39:16 1:05:33+

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S TA-20336 Station Location: T-22 (Troy Office) Sample ID #: Field Technician: jj Filter Lot #: 21989-07 Pump Type/Model: SKC AirChek 2000 Sample Type: TEM Pump Number: 36444 Sample Parent ID #: Sampling Period: 74 PUMP SETUP DAY Timer Beginning Date/Time: 5/20/12-2400 Date: 5/18/2012 Beginning Flow Rate (L/min): Time: 11:20 Pump Programmed (Yes / No): Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY Date: 5-25-12 Ending Flow Rate (L/min): 2 Time: 0910 Total Sample Volume (L): OFLO Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27, 80 Temperature inside station unit (°F): 5 % , 3 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault DATE: 5-25-12

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA OC

Sample ID #: Filter Lot #: 21989-07
000
PUMP FAULT (Yes / No): 20
Flow Rate (L/min): 2
Cumulative Sample Volume (L): 46.39
Cumulative Sample Time (min): 23/9
Atmospheric Pressure (INS) 27,77
emperature inside station unit (F): 70.7
Battery voltage reading (volts): / 2 . 5 %
BOXTEMP- 60
BING FOUR NAME OF
PUMP FAULT (Yes / No): 🗸 🔾
Flow Rate (L/min) 2
Cumulative Sample Volume (L): 7696
Cumulative Sample Time (min): 3848
Atmospheric Pressure (INS) 27.71
emperature inside station unit (F): 70.6
Battery voltage reading (volts): 12.54
BOX TEMP- 60
PUMP FAULT (Yes / No): NO
Flow Rate (L/min): 2_
Cumulative Sample Volume (L): 9 % 2_3
Cumulative Sample Time (min): 49 11
Atmospheric Pressure (INS) 2 7, 64
emperature inside station unit (F): 💪 Ø , 🗷
Battery voltage reading (volts): 12,5 %
BOX TOMP - 51
PUMP FAULT (Yes / No): wo
Flow Rate (L/min): 2
Cumulative Sample Volume (L): ○ F LO
Cumulative Sample Time (min): 6 2 6 3
Atmospheric Pressure (INS) 27, 6 //
emperature inside station unit (F) 59. 6
Battery voltage reading (volts): 12 11 10
Box Temp 50
AND MARKET CONTRACTOR AND
PUMP FAULT (Yes / No):
Flow Rate (L/min):
Cumulative Sample Volume (L):
Cumulative Sample Time (min):
Atmospheric Pressure (INS)
emperature inside station unit (F):

SN 36444

Date Printed: Friday, May 25, 2012 1:11 PM

Min Temp 55.5F Max Temp 83.4F TWA Temp 67.2F Min Pressure 27.6

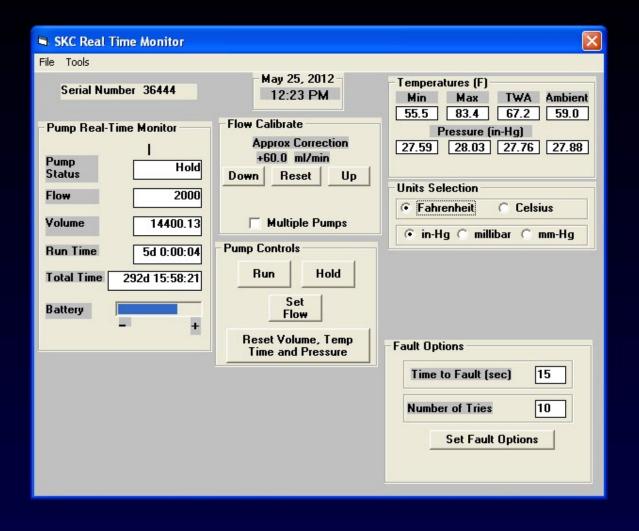
Min Pressure 27.6 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.8 In-Hg

Flow Correction Approximately +60.0 ml/min

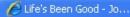
Mode	Value	Start	Volume Liters	Accum Volume	Duration
Reset		Fri May 18 2012 12:58 PM			0:01
Flow	2000	Fri May 18 2012 12:58 PM	0.833	0.833	0:25
Hold		Fri May 18 2012 12:59 PM			0:05
Flow	2000	Fri May 18 2012 12:59 PM	0.033	0.866	0:01
Flow Adjust		Fri May 18 2012 12:59 PM			5:41
Prog (Hold)		Fri May 18 2012 1:04 PM			5:11
Sleep		Fri May 18 2012 1:10 PM			1d 10:49:50
Prog (Run)	2000	Sun May 20 2012 12:00 AM	14400	14401	5d 0:00:02
Hold		Fri May 25 2012 12:00 AM			4:59
Sleep		Fri May 25 2012 12:05 AM			9:05:02
Hold		Fri May 25 2012 9:10 AM			5:36
Sleep		Fri May 25 2012 9:15 AM			2:56:03
Hold		Fri May 25 2012 12:11 PM			59:18+











TETRA TECH EM INC. **OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA!** TA-20337 Station Location: T-22QC(troy Office) Sample ID #. Field Technician: jj Filter Lot #: 21989-07 Pump Type/Model. SKC AirChek 2000 Sample Type: TEM Pump Number: 36442 Sample Parent ID # TA-20336 Sampling Period: 74 PUMP SETUP DAY Timer Beginning Date/Time: 5/20/12-2400 Date: 5/18/2012 Beginning Flow Rate (L/min): Pump Programmed (Yes / No): Time: 11:28 yes Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY 5/25/12-2400 Timer Ending Date/Time: Ending Flow Rate (L/min): Date: 5-25-12 Total Sample Volume (L): 0 F Lo Time: 0909 Total Sample Time (min): 72 0 0 Atmospheric Pressure (INS) 27.77 Temperature inside station unit (°F): 60.8 BOXTEMP- 52 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault

DATE: 5-25-12

SIGNATURE:

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA-20337

	DAILY CHECK RECORDS
Station Location: T-22QC(troy Office	Sample ID #: Filter Lot #: 21989-07
Field Technician: jj Pump Type/Model: SKC AirChek 200	
Pump Number: 36442	0
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 5-2/-/2 (9/-)	Flow Rate (L/min):
	Cumulative Sample Volume (L): 4644
The state of the s	Cumulative Sample Time (min): 2 3 2 1
Scattere brain	Atmospheric Pressure (INS) 2 7, 72
	perature inside station unit (F): 72,6
	Battery voltage reading (volts)
	BOXTOMP- 60
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 6-27-12 (%)	Flow Rate (L/min): 2
Time: 16/0 ()	Cumulative Sample Volume (L): 7700
	Cumulative Sample Time (min): 3 % 5 0
Scattered rain Tom	Atmospheric Pressure (INS) 27,67
Tem	perature inside station unit (F): 73.4
	Battery voltage reading (volts): 12,60
	BOX TEMP - 60
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): AC
Date: 5-23-12 (9)	Flow Rate (L/min):
Time: <u>0953</u> ()	Cumulative Sample Volume (L): 9 8 2 8
	Cumulative Sample Time (min): 4914
A A A Second Second	Atmospheric Pressure (INS) 27.58
suxteredrain Tem	perature inside station unit (F): 4 2 . 2
windy	Battery voltage reading (volts): 12.55
	BOX TOMP-51
DAILY CHECK (For each station visit)	DUMP FAULT Was (No. 1
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 5-24-12 (9)	Flow Rate (L/min): 2
Time: 0824 ()	Cumulative Sample Volume (L): 0 F L 0
	Cumulative Sample Time (min): 6 à 6 +
Clandy Tem	Atmospheric Pressure (INS) 27.56
Ten	perature inside station unit (°F): 62.7
	Battery voltage reading (volts): 12-4/6
DAILY CHECK (For each station visit)	BOXTEMP- 50
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Tem	perature inside station unit (F).
1.500	Battery voltage reading (volts):
	A STANDARD OF THE PROPERTY OF THE STANDARD OF

SN 36442

Date Printed: Friday, May 25, 2012 1:12 PM

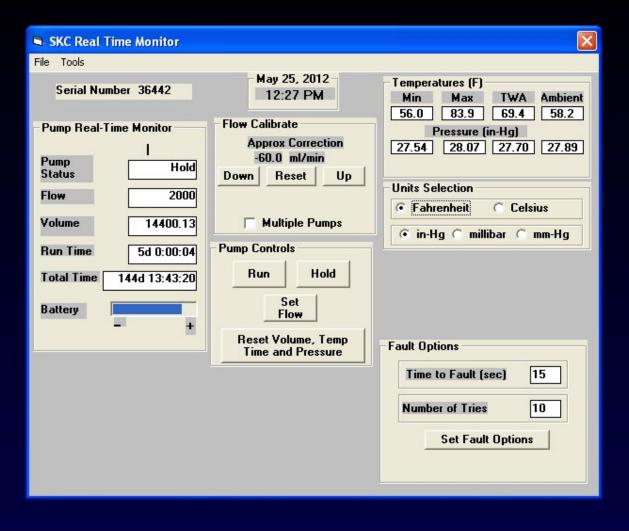
Min Temp 56.0F Max Temp 83.9F TWA Temp 69.4F Min Pressure 27.5 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.7 In-Hg

Flow Correction Approximately -60.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
User Setup Prog (Hold) Sleep Prog (Run) Hold Sleep	2000	Wed May 9 2012 11:25 AM Wed May 9 2012 11:26 AM Wed May 9 2012 11:31 AM Thu May 10 2012 12:00 AM Tue May 15 2012 12:05 AM Tue May 15 2012 12:05 AM Tue May 15 2012 12:49 PM Tue May 15 2012 12:54 PM Tue May 15 2012 2:43 PM Tue May 15 2012 2:43 PM Tue May 15 2012 2:58 PM Thu May 17 2012 12:00 AM Thu May 17 2012 12:04 AM Thu May 17 2012 10:07 AM Thu May 17 2012 10:19 AM Thu May 17 2012 10:19 AM Thu May 17 2012 10:19 AM Thu May 17 2012 10:24 AM Fri May 18 2012 10:21 AM Fri May 18 2012 12:41 PM Fri May 18 2012 12:47 PM	14400	14400	0:15 5:13 12:28:36 5d 0:00:02 4:59 12:44:08 5:04 1:49:08 14:40 1d 9:01:59 4:58 10:02:16 12:26 0:02 4:58 23:46:07 10:45 2:19:41 6:24 7:18
Flow User Setup Prog (Hold) Sleep	2000	Fri May 18 2012 12:54 PM Fri May 18 2012 1:00 PM Fri May 18 2012 1:00 PM Fri May 18 2012 1:04 PM Fri May 18 2012 1:09 PM	0.067	14400	5:45 0:02 3:39 5:29 1d 10:50:10
Prog (Run) Hold Sleep Hold Sleep Hold	2000	Sun May 20 2012 12:00 AM Fri May 25 2012 12:00 AM Fri May 25 2012 12:05 AM Fri May 25 2012 9:10 AM Fri May 25 2012 9:15 AM Fri May 25 2012 12:13 PM	14400	28800	5d 0:00:02 4:59 9:05:36 5:19 2:57:38 58:26+











TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! TA-20338

			1A-2033
Station Location:	T-23 (Iron Creek)	Sample ID #.	
Field Technician:	Management of the same of the	Filter Lot #:	23171-01
	SKC AirChek 2000	Sample Type	
Pump Number		Sample Parent ID #	
Sampling Period:	74		
IP SETUP DAY			
		Timer Beginning Date/Time.	5/20/12-2400
Date: 5/18/2012		Beginning Flow Rate (L/min):	2
Time: 11:32		mp Programmed (Yes / No):	
	Bios Calibra	tion Within 10 mL (Yes / No)	yes
P RETRIEVAL DAY			
		Timer Ending Date/Time:	5/25/12-2400
Date: 5-25-12	2	Ending Flow Rate (L/min):	2
Time: 0 % 3 5		Total Sample Volume (L):	OFLO
		Total Sample Time (min):	7200
		Atmospheric Pressure (INS)	27.54
	Temper	ature inside station unit (°F):	65.7
		BOXTEMP-	44
_		-	
71	, ,		-
IATURE: On (not	DATE: 5-25.	12.

TETRA TECH EM INC. OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! TA-20338 ADDITIONAL DAILY CHECK RECORDS Sample ID # Station Location: T-23 (Iron Creek) Field Technician: jj Pump Type/Model: SKC AirChek 2000 Filter Lot #: 23171-01 Pump Number 36428 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No) Flow Rate (L/min): Cumulative Sample Volume (L): 459.7 (Field Tech Initials) Date: 5-21-12 (%) Time: /4 /9 Cumulative Sample Time (min): 2 2 9 8 scattered rain Atmospheric Pressure (INS) 27.34 rature inside station unit (°F) 78.5 Temperature inside station unit (°F): Battery voltage reading (volts): / 3 . 6 BOXTEMP - 5 DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): ~/O Date: 5-22-17 (99) Flow Rate (L/min): Cumulative Sample Volume (L): 7745 Time: 7632 (Cumulative Sample Time (min): 3872 Scattered rain Atmospheric Pressure (INS) 27.22 Temperature inside station unit (°F): \$1,4 Battery voltage reading (volts): 12,47 BOXTEMP- 60 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): 20 (Field Tech Initials) Date: 5-23-11 Flow Rate (L/min): 2 Cumulative Sample Volume (L): 9779 Time: 0929 Cumulative Sample Time (min): #489 Scatteredinin Atmospheric Pressure (INS) 2 7, 14 Temperature inside station unit (°F): 10.7 mindy Battery voltage reading (volts) 72, 3% BOYTEMP- 50 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No) NO (Field Tech Initials) Date: 5-21-12 Flow Rate (L/min): 2 (99) Time: 0%17 Cumulative Sample Volume (L): 0 F L O Cumulative Sample Time (min): 5257 Atmospheric Pressure (INS) 27.18 clendy Temperature inside station unit (°F): (, 9, 3 Battery voltage reading (volts): 12.2 ! BOX TPMP- 49 DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): (Field Tech Initials) Date: Flow Rate (L/min). Time: Gumulative Sample Volume (L) Cumulative Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): Battery voltage reading (volts):

SN 36428

Date Printed: Friday, May 25, 2012 1:12 PM

Min Temp 54.1F Max Temp 91.8F TWA Temp 77.1F Min Pressure 27.1 In-Hg

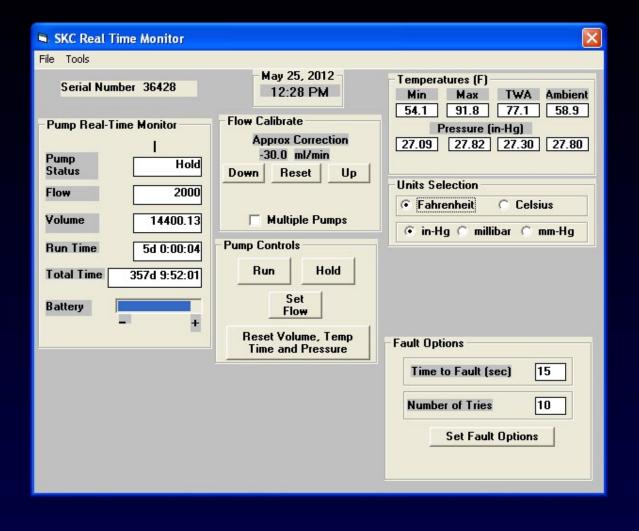
Max Pressure 27.8 In-Hg TWA Pressure 27.3 In-Hg

Flow Correction Approximately -30.0 ml/min

		_	Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
 Flow Adjust		Wed May 9 2012 11:22 AM			0:23
Prog (Hold)		Wed May 9 2012 11:22 AM			5:04
Sleep		Wed May 9 2012 11:27 AM			12:32:16
Prog (Run)	2000	Thu May 10 2012 12:00 AM	14400	14400	5d 0:00:01
Hold		Tue May 15 2012 12:00 AM			4:59
Sleep		Tue May 15 2012 12:05 AM			12:14:04
Hold		Tue May 15 2012 12:19 PM			5:22
Sleep		Tue May 15 2012 12:24 PM			1d 11:35:35
Hold		Thu May 17 2012 12:00 AM			4:57
Sleep		Thu May 17 2012 12:04 AM			10:02:02
Hold		Thu May 17 2012 10:07 AM			4:58
Sleep		Thu May 17 2012 10:11 AM			7:20
Hold		Thu May 17 2012 10:19 AM			5:57
Sleep		Thu May 17 2012 10:25 AM			1d 2:17:28
Hold		Fri May 18 2012 12:42 PM			6:54
Sleep		Fri May 18 2012 12:49 PM			4:05
Hold		Fri May 18 2012 12:53 PM			6:16
Sleep		Fri May 18 2012 12:59 PM			0:36
Hold		Fri May 18 2012 1:00 PM			0:03
Flow	2000	Fri May 18 2012 1:00 PM	0.067	14400	0:02
User Setup		Fri May 18 2012 1:00 PM			4:37
Prog (Hold)		Fri May 18 2012 1:05 PM			5:08
Sleep		Fri May 18 2012 1:10 PM			1d 10:49:36
Prog (Run)	2000	Sun May 20 2012 12:00 AM	14400	28800	5d 0:00:02
Hold		Fri May 25 2012 12:00 AM			4:59
Sleep		Fri May 25 2012 12:05 AM			8:29:41
Hold		Fri May 25 2012 8:34 AM			5:31
Sleep		Fri May 25 2012 8:40 AM			3:34:06
Hold		Fri May 25 2012 12:14 PM			58:41+













OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S TA-20339 Station Location: T-24 (Jordan) Sample ID #: Field Technician: jj Filter Lot #: 23171-01 Pump Type/Model: SKC AirChek 2000 Sample Type: TEM Pump Number: 36422 Sample Parent ID #: -Sampling Period: PUMP SETUP DAY Timer Beginning Date/Time: 5/20/12-2400 Date: 5/18/2012 Beginning Flow Rate (L/min): Time: 11:35 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY 5/25/12-2400 Timer Ending Date/Time: Date: 5-25-12 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0 F L O Time: 0 % 26 Total Sample Time (min): 7200 Atmosperic Pressure (INS) 27,29 Temperature inside station unit (°F): 4 6 . 0 BOX TEMP - 42 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault DATE: 5-25-/2 SIGNATURE:

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! TA 2022

ADDITIONAL	DAILY CHECK RECORDS I A-20339
Station Location, T-24 (Jordan)	Sample ID #
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20	00
Pump Number: 36422	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: S-21-12 (9)	Flow Rate (L/min): 2
Time: /359 (**)	Cumulative Sample Volume (L): 455 %
	Cumulative Sample Time (min): 2278
Scatteredia	Atmospheric Pressure (INS) 2 7. 29
Te	mperature inside station unit (F): 64.6
	Battery voltage reading (volts): / 2, 7)
	BOXTEMP . 56
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): WO
Date: 5-2 2-/2 (99)	Flow Rate (L/min): 2
Time: 1438 ()	Cumulative Sample Volume (L): 7756
	Cumulative Sample Time (min): 38 78
11 - 1 - 5	Atmospheric Pressure (INS) 2 7, 20
scattered rain Te	mperature inside station unit (F): 66.3
· · · · · · · · · · · · · · · · · · ·	Battery voltage reading (volts): 12,67
	BOX Teme - 58
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): ~
Date: 5-23-12 (99)	Flow Rate (L/min): 2
Time: 0922 ()	Cumulative Sample Volume (L): 9 7 6 4
· · · · · · · · · · · · · · · · ·	Cumulative Sample Time (min): 4881
WINKY	Atmospheric pressure (INS): 2.7.09
SENTHEREDININ TE	mperature inside station unit (F): 55.5
SENTIFICOLRIC	Battery voltage reading (volts): / 2 , 4 /
	BOX TAMP- HX
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):_//O
Date: 5-24-12 (49)	Flow Rate (L/min): 2
Time: 5812 (")	Cumulative Sample Volume (L): 0 F L 0
	Cumulative Sample Time (min): 625/
cloudy	Atmospheric Pressure (INS) 27,12
Te	mperature inside station unit (F): \$5.9
A ACT	Battery voltage reading (volts): 12,58
5 3 4 3 5 12 TRANSPORT STATE OF THE PROPERTY O	Box Temp- 48
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date:	Flow Rate (L/min):
Time: () 👭	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
Te	mperature inside station unit (F):
	Battery voltage reading (volts):

SN 36422

Date Printed: Friday, May 25, 2012 1:13 PM

Min Temp 50.5F
Max Temp 76.6F
TWA Temp 62.7F
Min Pressure 27.0 In-Hg
Max Pressure 27.6 In-Hg

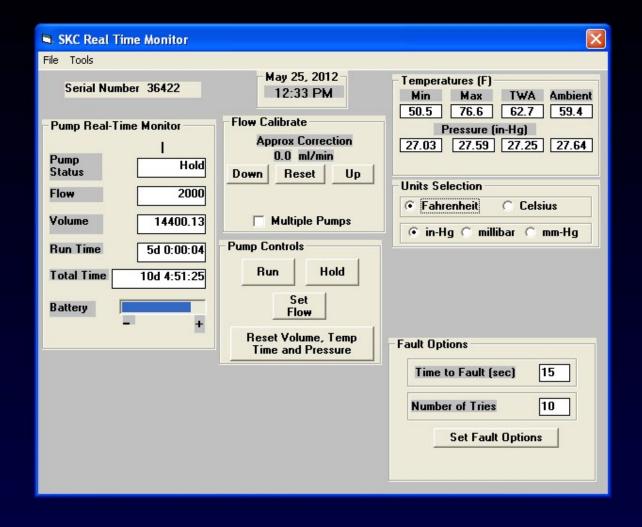
Max Pressure 27.6 In-Hg TWA Pressure 27.2 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
User Setup Prog (Hold) Sleep Prog (Run) Hold Sleep Hold	2000	Wed May 9 2012 11:24 AM Wed May 9 2012 11:24 AM Wed May 9 2012 11:29 AM Thu May 10 2012 12:00 AM Tue May 15 2012 12:05 AM Tue May 15 2012 12:05 AM Tue May 15 2012 11:14 AM Tue May 15 2012 11:14 AM Tue May 17 2012 12:00 AM Thu May 17 2012 12:00 AM Thu May 17 2012 10:20 AM Thu May 17 2012 10:27 AM Fri May 18 2012 12:47 PM Fri May 18 2012 12:53 PM Fri May 18 2012 1:00 PM	14400	14400	0:14 5:23 12:30:15 5d 0:00:02 4:59 11:09:49 6:00 1d 12:39:10 4:58 10:15:19 6:59 1d 2:20:17 6:23 6:58 0:04
Flow User Setup Prog (Hold) Sleep	2000	Fri May 18 2012 1:00 PM Fri May 18 2012 1:01 PM Fri May 18 2012 1:07 PM Fri May 18 2012 1:12 PM	0.067	14400	0:02 6:21 5:05 1d 10:47:35
Prog (Run) Hold Sleep Hold Sleep Hold	2000	Sun May 20 2012 12:00 AM Fri May 25 2012 12:00 AM Fri May 25 2012 12:05 AM Fri May 25 2012 8:26 AM Fri May 25 2012 8:31 AM Fri May 25 2012 12:15 PM	14400	28800	5d 0:00:01 4:59 8:21:01 5:25 3:43:40 57:53+

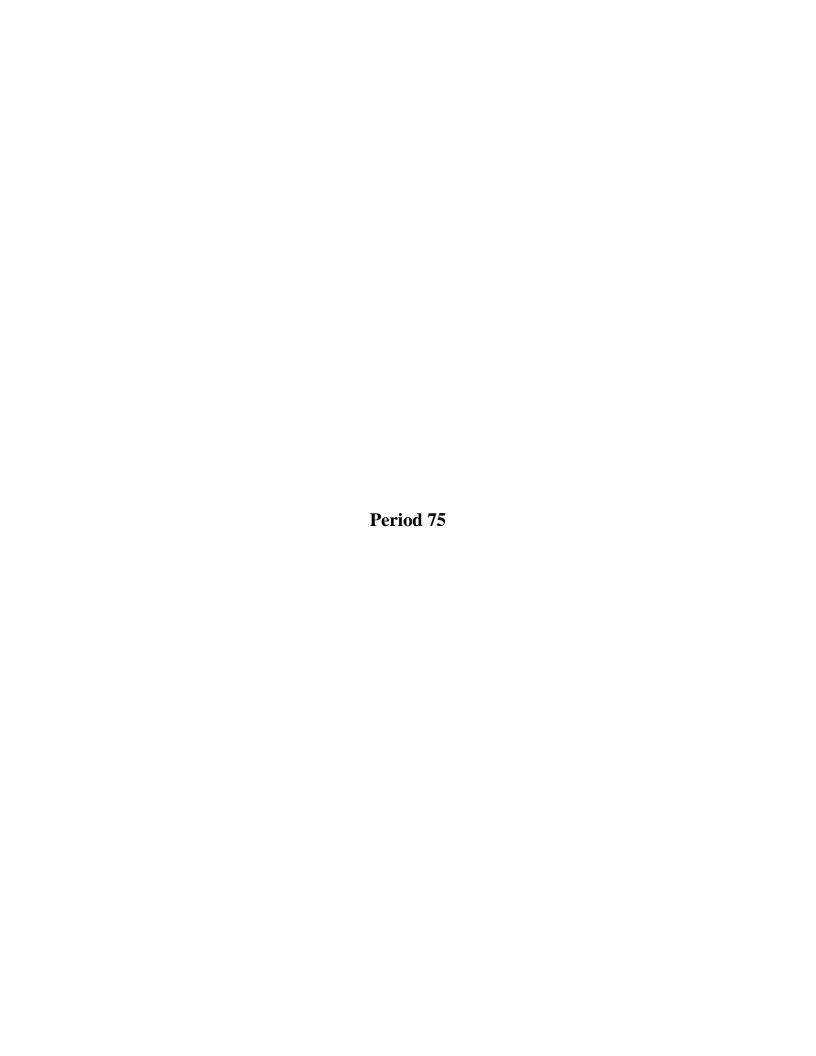












TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA 20244

Field Technician: Pump Type/Model: Pump Number: Sampling Period: UMP SETUP DAY Date: 5/29/2012 Time: -11:28 O 9 0 4/ UMP RETRIEVAL DAY Date: 6-4-/2 Time: 15 4//	SKC AirChek 2000 36484 75 B Put Bios Calibrat	Sample ID # Filter Lot #: 2317 Sample Type TEN Sample Parent ID #: — Timer Beginning Date/Time. Peginning Flow Rate (L/min): Imp Programmed (Yes / No): Ition Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min):	5/30/12-2400 2 yes yes 5/04/12-2400 2 FLO 2 0 0
Pump Type/Model: Pump Number: Sampling Period: UMP SETUP DAY Date: 5/29/2012 Time: -11:28 O 9 0 4/ UMP RETRIEVAL DAY Date: 6-4-72 Time: 15 4 /	SKC AirChek 2000 36484 75 Bios Calibrat	Sample Type Sample Parent ID #: Filter Beginning Date/Time. Reginning Flow Rate (L/min): Imp Programmed (Yes / No): Ition Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS)	5/30/12-2400 2 yes yes 5/04/12-2400 2 FLO 2 0 0
Pump Number: Sampling Period: UMP SETUP DAY Date: 5/29/2012 Time: +11:28 O 9 0 4/ UMP RETRIEVAL DAY Date: 6-4-72 Time: 15 4//	75 Bios Calibrat	Sample Parent ID #:	5/30/12-2400 2 yes yes 5/04/12-2400 2
Sampling Period: UMP SETUP DAY Date: 5/29/2012 Time: -11:28 O 9 0 4 UMP RETRIEVAL DAY Date: 6-4-72 Time: 15 4 /	Pur Bios Calibrat	Timer Beginning Date/Time: leginning Flow Rate (L/min): mp Programmed (Yes / No): tion Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS)	5/30/12-2400 2 yes yes 6/04/12-2400 2 FLO 2 0 0
Date: 5/29/2012 Time: -11:28 O 9 0 4/ JMP RETRIEVAL DAY Date: 6-4-/2 Time: 154/	Bios Calibrat	reginning Flow Rate (L/min): mp Programmed (Yes / No): tion Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Total Sample Time (min): Atmospheric Pressure (INS)	2 yes yes 6/04/12-2400 2 F L O 2 O O 7, 8 O
Date: 5/29/2012 Time: +11:28 0 9 0 4 JMP RETRIEVAL DAY Date: 6-4-72 Time: 75 4 7	Pur Bios Calibrat	reginning Flow Rate (L/min): mp Programmed (Yes / No): tion Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Total Sample Time (min): Atmospheric Pressure (INS)	2 yes yes 6/04/12-2400 2 F L O 2 O O 7, 8 O
Time: -11:28 0904 JMP RETRIEVAL DAY Date: 6-4-/2 Time: 154/	Pur Bios Calibrat	reginning Flow Rate (L/min): mp Programmed (Yes / No): tion Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Total Sample Time (min): Atmospheric Pressure (INS)	2 yes yes 6/04/12-2400 2 F L O 2 O O 7, 8 O
Time: +11:28 O 9 0 4 JMP RETRIEVAL DAY Date: 6-4-/2 Time: 154/	Bios Calibrat	Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Total Sample Time (min):	yes yes 6/04/12-2400 2 F L O 2 O O 7 8 O
Date: 6-4-12 Time: 1541	Temper	Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): 7 Atmospheric Pressure (INS)	yes 6/04/12-2400 2 FLO 2 0 0
Date: 6-4-/2 Time: 154/	Temper	Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS)	6/04/12-2400 2 FLO 200 7.80
Date: 6-4-/2 Time: 154/	Temper	Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS)	2 FLO 200 7.80
sunni	Temper	Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS)	2 FLO 200 7.80
sunni	Temper	Total Sample Volume (L): 0 Total Sample Time (min): 7 Atmospheric Pressure (INS) 2 ature inside station unit (°F): 7	FLO 200 7.80
sunny	Temper	Total Sample Time (min): 7 Atmospheric Pressure (INS) 2 ature inside station unit (°F): 74	200 7.80 5,5
sunni	Temper	Atmospheric Pressure (INS) <u>a 7</u> ature inside station unit (°F): 70	7.80 5,5
	Temper	ature inside station unit (°F): 74	5,5
	Temper	ature inside station unit (°F): 74	5,5
		The state of the s	
MMENTS: /Please note:	all photographs taken, r		
			373
SNATURE: Oresille	la el e	DATE: 6 - 4-17	

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA 20244

ADDITIONAL	DAILY CHECK RECORDS I A-2034 I
Station Location: T-21 (Fire Station	on) Sample ID #
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20	000
Pump Number: 36484	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): 📈 o
Date: 5 - 31-12 (99)	Flow Rate (L/min):
Time: 0755 ()	Cumulative Sample Volume (L): 3%30
	Cumulative Sample Time (min): 1915
	Atmospheric Pressure (INS) 2 7 7 6
Te	emperature inside station unit (F): 68.3
V V	Battery voltage reading (volts): 12,67
Clandy	Box Timp-55
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
1	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: (Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
V	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
DAIL VICUEOU (Far-seek state)	
DAILY CHECK (For each station visit)	BANKS FAMILY SO JAN J
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L)
	Cumulative Sample Time (min):
XI:	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):

SN 36484

Date Printed: Tuesday, June 5, 2012 12:39 PM

Min Temp 53.0F Max Temp 91.3F TWA Temp 77.1F Min Pressure 27.4

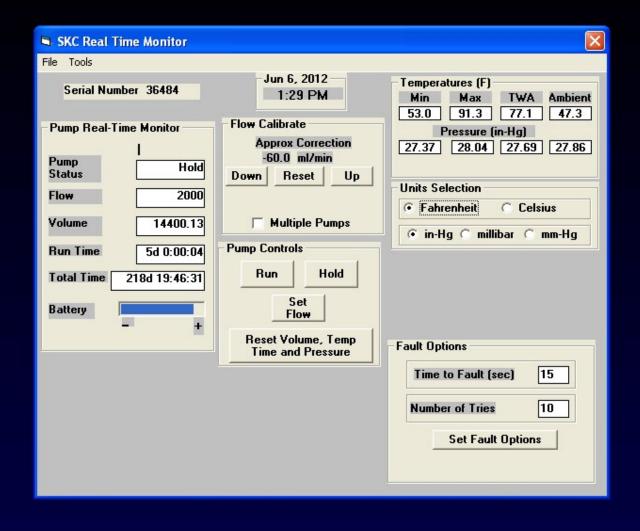
Min Pressure 27.4 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.7 In-Hg

Flow Correction Approximately -60.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold) Sleep Prog (Run) Hold Sleep Hold Sleep Hold	2000	Tue May 29 2012 8:54 AM Tue May 29 2012 9:00 AM Wed May 30 2012 12:00 AM Mon Jun 4 2012 12:00 AM Mon Jun 4 2012 12:05 AM Mon Jun 4 2012 3:41 PM Mon Jun 4 2012 3:46 PM Tue Jun 5 2012 12:17 PM	1 14400	14400	5:07 14:59:58 5d 0:00:02 4:59 15:36:25 5:20 20:30:52 21:22+



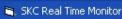












TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA 20342

			IA-20342	
Station Location: T-22 ((Troy Office)	Sample ID #:		
Field Technician: jj		Filter Lot #: 23171-01		
Pump Type/Model: SKC AirChek 2000 Pump Number: 36444		Sample Type TE	М	
		Sample Parent ID #:		
Sampling Period:	75			
UMP SETUP DAY				
		Timer Beginning Date/Time:	5/30/12-2400	
Date: 5/29/2012	1	Beginning Flow Rate (L/min):	2	
Time: 0903	Pu	imp Programmed (Yes / No):	yes	
	Bios Calibra	ation Within 10 mL (Yes / No)	yes	
UMP RETRIEVAL DAY			-	
		Timer Ending Date/Time:	6/04/12-2400	
Date: 10-4-12		Ending Flow Rate (L/min):	2	
Time: 1553		Total Sample Volume (L):	F40	
-		Total Sample Time (min): 7		
		Atmospheric Pressure (INS)		
(*)		rature inside station unit (°F): 77		
s unal	0.000	BOXTEMP-8		
		and the literature of the state of		
GIGNATURE: Garlo-du		DATE: 6-4/-12		

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! TA 20242

ADDITIONAL	DAILY CHECK RECORDS A-20342
Station Location: T-22 (Troy Office	
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20	00
Pump Number: 36444	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 5 - 3 1 - 12 (99)	Flow Rate (L/min): 2
Time: 0803 ()	Cumulative Sample Volume (L): 3 8 46
	Cumulative Sample Time (min): 192 3
	Atmospheric Pressure (INS) 2. 7, 9 i
Te	mperature inside station unit (F): 63./
A	Battery voltage reading (volts): 12.62
cloyet	BOX TEMP- 55
QAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ' ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F)
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: () ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
₩ <u>-</u>	Battery voltage reading (volts)
	A STATE OF THE STA
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):

SN 36444

Date Printed: Tuesday, June 5, 2012 12:46 PM

Min Temp 55.5F Max Temp 86.7F TWA Temp 71.1F Min Pressure 27.6

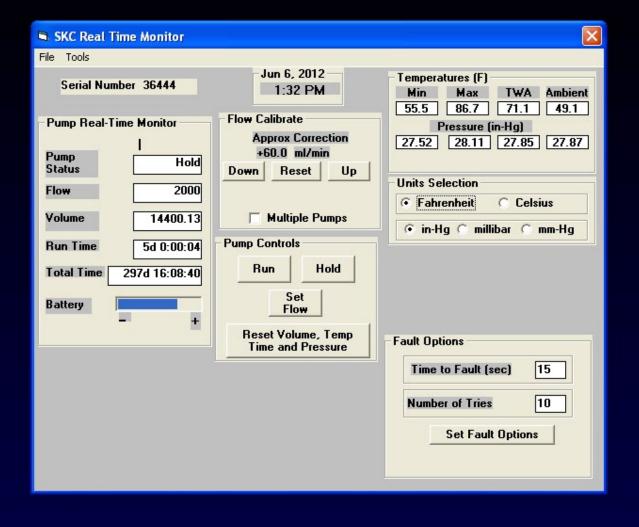
Min Pressure 27.5 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.8 In-Hg

Flow Correction Approximately +60.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Tue May 29 2012 8:55 AM			5:10
Sleep		Tue May 29 2012 9:00 AM			14:59:17
Prog (Run)	2000	Wed May 30 2012 12:00 AM	1 14400	14400	5d 0:00:02
Hold		Mon Jun 4 2012 12:00 AM			4:59
Sleep		Mon Jun 4 2012 12:05 AM			15:48:07
Hold		Mon Jun 4 2012 3:53 PM			5:20
Sleep		Mon Jun 4 2012 3:58 PM			20:47:04
Hold		Tue Jun 5 2012 12:45 PM			0:28+













TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA-20343

Field Technician: jj Filter Lot # 23171-01 Pump Type/Model: SKC AirChek 2000 Sample Type. TEM Pump Number: 36428 Sample Parent ID #: Sampling Period: 75	Station Location	T-23 (Iron Creek)	Sample ID #	174 2004
Pump Type/Model: SKC AirChek 2000 Pump Number: 36428 Sampling Period: 75 UMP SETUP DAY Date: 5/29/2012 Time: 09 0 2 Bios Calibration Within 10 mL (Yes / No) Date: 6-4-/2 Time: 15 2 5 Total Sample Time (min): 2 Total Sample Time (min): 4 Atmospheric Pressure (INS): 7 Temperature inside station unit (°F): 7 DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa			_	
Pump Number: 36428 Sample Parent ID #: Sampling Period: 75 UMP SETUP DAY Timer Beginning Date/Time: 5/30/12-2400 Date: 5/29/2012 Beginning Flow Rate (L/min): 2 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 6/04/12-2400 Date: 6-4-72 Ending Flow Rate (L/min): 2 Time: 15 2 5 Total Sample Volume (L): FE 0 Atmospheric Pressure (INS): 7 5 6 Temperature inside station unit (**): 2 1 6 DMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump face) DMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump face)		**		
Sampling Period: 75 UMP SETUP DAY Timer Beginning Date/Time: 5/30/12-2400 Date: 5/29/2012 Beginning Flow Rate (L/min): 2 Pump Programmed (Yes / No) yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 6/04/12-2400 Date: 6-4-7-2 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 5-1-0 Total Sample Time (min): 1-2-0 Atmospheric Pressure (INS) Temperature inside station unit (*F): 3-5-5 Comments (Please note all photographs taken, major storm events, vandalism, and reason for pump ferman programmed (Note of Part 1) in the control of Part 1 in th				
Timer Beginning Date/Time: 5/30/12-2400 Date: 5/29/2012 Beginning Flow Rate (L/min): 2 Time: 09 0 Z Pump Programmed (Yes / No): Yes Bios Calibration Within 10 mL (Yes / No) Yes UMP RETRIEVAL DAY Timer Ending Date/Time: 6/04/12-2400 Date: 6-4-/ Z Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0F L 0 Total Sample Time (min): 7.2-0 0 Atmospheric Pressure (INS) 2-7-56 Temperature inside station unit (*P): 1 6 OMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa			 Status (100 3030000 400 	
Date: 5/29/2012 Beginning Flow Rate (L/min): 2 Time: 0 0 2 Pump Programmed (Yes / No) yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 6/04/12-2400 Date: 6-4-72 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0 F L 0 Total Sample Time (min): 7 2 0 0 Atmospheric Pressure (INS): 3 7.56 Temperature inside station unit (°F): 4 L 6 DOMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump face)	UMP SETUP DAY			
Date: 5/29/2012 Beginning Flow Rate (L/min): 2 Time: 0 0 2 Pump Programmed (Yes / No) yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 6/04/12-2400 Date: 6-4-72 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0 F L 0 Total Sample Time (min): 7 2 0 0 Atmospheric Pressure (INS): 3 7.56 Temperature inside station unit (°F): 4 L 6 DOMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump face)			Timer Beginning Date/Time:	5/30/12-2400
Time: 9 0 2 Pump Programmed (Yes / No) yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 604/12-2400 Date: 6 - 4 - 7 Z Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0 F L 0 Atmospheric Pressure (INS) Temperature inside station unit (°F) OMMENTS. (Please note all photographs taken, major storm events, vandalism, and reason for pump fa	Date: 5/29/2012			
Bios Calibration Within 10 mL (Yes / No) yes JMP RETRIEVAL DAY Timer Ending Date/Time: Ending Flow Rate (L/min): 2 Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (*F): SAMP DMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump father) Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Volume (L): Total Sample Volume (L): Total Sample Volume (L): Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Time (min): The provided Highlight Sample Volume (L): Total Sample Volume (L):	Time: 0902	P	ump Programmed (Yes / No):	yes
Timer Ending Date/Time: 304/12-2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0 F L 0 Total Sample Time (min): 7 2 0 0 Atmospheric Pressure (INS) 2 7 5 6 Temperature inside station unit (°F): 2 1 6 OMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump face)		CAR SECONDO		
Date: 6-4-7 Z Time: 15 2 5 Total Sample Volume (L): 0 F L 0 Total Sample Time (min): 12 2 0 Atmospheric Pressure (INS) 2 7 5 6 Temperature inside station unit 0°F; 27 6 DMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump fa	JMP RETRIEVAL DAY			
Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27.56 Temperature inside station unit (°F): 81.6 Box Trmp-74 DMMENTS (Please note all photographs taken, major storm events, vandalism, and reason for pump fa		7	Timer Ending Date/Time:	6/04/12-2400
Total Sample Time (min): 72 00 Atmospheric Pressure (INS) 27.56 Temperature inside station unit (°F): 81.6 BOXTEMPTO Y B	Date: 10 - 4- / Z	e e		
Atmospheric Pressure (INS) 27.56 Temperature inside station unit (°F): 71.6 Bax Trmp-774 DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa	Time: 1525	62		
Temperature inside station unit (°F): \$\frac{1}{2} \frac{6}{6}\$ Pomments: (Please note all photographs taken, major storm events, vandalism, and reason for pump father than the state of			Total Sample Time (min):	7200
DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa			Atmospheric Pressure (INS)	27.56
DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa	. 1	Tempe	erature inside station unit (°F):	81.6
OMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fa	SHANI		BOXTE-P-F	74
	8			
	24			
	-35 .			-
		<u> </u>		
Secretary Control of the Control of	- A 2			**

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 ADDITIONAL DAILY CHECK RECORDS TA-20343

	Station Locati	on: T-23 (Iron Cre	ek) Sample ID #	
	Field Technici	an: jj	Filter Lot #	23171-01
		del SKC AirChek	2000	
	Pump Numb			
DAILY	CHECK (For ea	ach station visit)		
		(Field Tech Initials		NO
	Date: 5 - 3 /-	13 (54)	Flow Rate (L/min):	2
	Time: 0742	_ ()	Cumulative Sample Volume (L):	3805
			Cumulative Sample Time (min):	1902
			Cumulative Sample Time (min) Atmospheric Pressure (INS)	27.48
			Temperature inside station unit (°F):	77.6
	Α		Battery voltage reading (volts):	12,65
-	or dy		BOXTOMP.	5 5
AILY	CHECK (For ea	ch station visit)		
		(Field Tech Initials	PUMP FAULT (Yes / No):	
	Date:	9 ()	Flow Rate (L/min):	
	Time:	()	Cumulative Campie volume (E)	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			remperature inside station unit (F)	
			Battery voltage reading (volts):	
AILY	CHECK (For ea	ich station visit)		
		(Field Tech Initials	PUMP FAULT (Yes / No)	
	Date:	(Flow Rate (L/min)	
	Time:	()	Cumulative Sample Volume (L).	
		9)	Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			Temperature inside station unit (°F):	
			Battery voltage reading (volts):	
AILY	CHECK (For ea	ach station visit)		
	- (<u>##</u> 2006-850) A	(Field Tech Initials	PUMP FAULT (Yes / No):	
	Date:	()	Flow Rate (L/min):	
	Time:	()	Cumulative Sample volume (L).	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			remperature inside station unit (F):	
			Battery voltage reading (volts):	
	0115017 15			
AILY	CHECK (For ea	ich station visit)	. america ii	
		(Field Tech Initials		
	Date:		Flow Rate (L/min).	
	Time:	()	Cumulative Sample Volume (L):	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			Temperature incide ctation unit (0E)	
			Temperature inside station unit (°F): Battery voltage reading (volts):	

SN 36428

Date Printed: Tuesday, June 5, 2012 12:44 PM

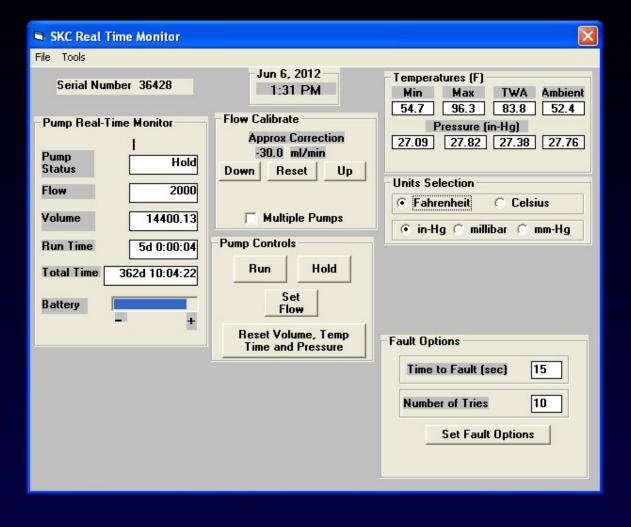
Min Temp 54.7F Max Temp 96.3F TWA Temp 83.8F Min Pressure 27.1

Min Pressure 27.1 In-Hg Max Pressure 27.8 In-Hg TWA Pressure 27.4 In-Hg

Flow Correction Approximately -30.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Tue May 29 2012 8:57 AM			5:05
Sleep		Tue May 29 2012 9:02 AM			14:57:11
Prog (Run)	2000	Wed May 30 2012 12:00 AN	/I 14400	14400	5d 0:00:02
Hold		Mon Jun 4 2012 12:00 AM			4:59
Sleep		Mon Jun 4 2012 12:05 AM			15:20:02
Hold		Mon Jun 4 2012 3:25 PM			5:28
Sleep		Mon Jun 4 2012 3:30 PM			21:10:38
Hold		Tue Jun 5 2012 12:41 PM			2:51+













TETRA TECH EM INC. OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S TA-20344 Station Location: T-23QC(Iron Creek) Sample ID #: Field Technician. jj Filter Lot #: 23171-01 Pump Type/Model: SKC AirChek 2000 Sample Type TEM TA-20343 Pump Number: 36442 Sample Parent ID # Sampling Period: 75 PUMP SETUP DAY 5/30/12-2400 Timer Beginning Date/Time: Date: 5/29/2012 Beginning Flow Rate (L/min): Time: 0901 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY 6/04/12-2400 Timer Ending Date/Time: Ending Flow Rate (L/min): Date: 6-4-12 Time: /526 Total Sample Volume (L): 0 6 L 0 Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27 7 Temperature inside station unit (°F): 73,3 SUNFY Box Temp-74 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault

DATE: 6-4-12

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA \$ TA-20344

Station Location: T-23QC(Iron Creek) Sample ID #. Field Technician: jj Filter Lot #. 23171-01	
Field Technician: ii Filter of # 23171-01	_
Pump Type/Model: SKC AirChek 2000	
Pump Number: 36442	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No): // 🔾	
Date: 5 - 3 1 - 12 (99) Flow Rate (L/min): 2	
Time: ロッチ3 () Cumulative Sample Volume (L): 380つ	
Cumulative Sample Time (min): 190 3	
Atmospheric Pressure (INS) 27.7	5
Temperature inside station unit (F). 68.5	
Battery voltage reading (volts): ——	
cloudy Bax Temp 1 55	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: 0 () Flow Rate (L/min)	
Time: () Cumulative Sample Volume (L):	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (F):	
Battery voltage reading (volts):	
12 months 2012 (10 months 12 months	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: Flow Rate (L/min)	
Time: () We Cumulative Sample Volume ():	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (F)	
Battery voltage reading (volts):	
and the state of t	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: () Flow Rate (L/min):	
Time: Cumulative Sample Volume (L):	
Cumulative Sample Time (min)	-
Atmospheric Pressure (INS)	
Temperature inside station unit (F)	
Battery voltage reading (volts):	
Dattery voltage reading (volts).	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: () Flow Rate (L/min):	1
Time: () Cumulative Sample Volume (L):	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	-
Temperature inside station unit (F):	1
Battery voltage reading (volts):	

SN 36442

Date Printed: Tuesday, June 5, 2012 12:50 PM

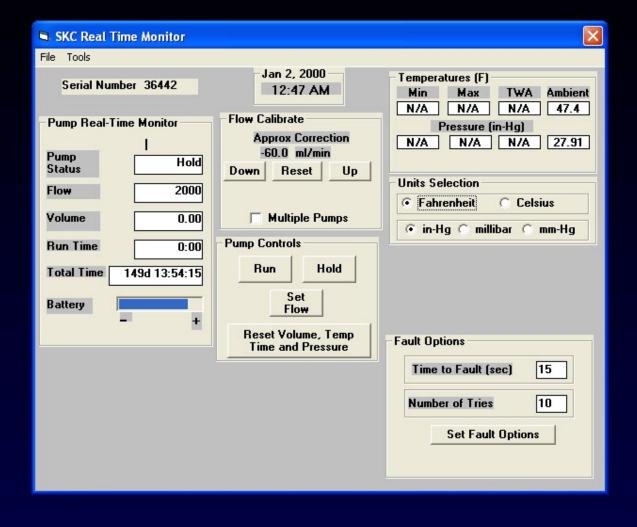
Min Temp N/A
Max Temp N/A
TWA N/A
Min Pressure N/A
Max Pressure N/A
TWA Pressure N/A

Flow Correction Approximately -60.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Tue May 29 2012 8:56 AM			5:09
Sleep		Tue May 29 2012 9:01 AM			14:58:43
Prog (Run)	2000	Wed May 30 2012 12:00 AM	1 14400	14400	5d 0:00:02
Hold		Mon Jun 4 2012 12:00 AM			4:59
Sleep		Mon Jun 4 2012 12:05 AM			15:21:16
Hold		Mon Jun 4 2012 3:26 PM			5:04
Sleep		Mon Jun 4 2012 3:31 PM			
Reset		Sat Jan 1 2000 12:00 AM			
Hold		Sat Jan 1 2000 12:00 AM			0:02
Reset		Sat Jan 1 2000 12:00 AM			
Hold		Sat Jan 1 2000 12:00 AM			4539d 12:49:58+

















Station Location:	T-24 (Jordan)	Sample ID #:	TA-2034
Field Technician:		Filter Lot #:	23171-01
Pump Type/Model			
Pump Number:	TO APPENDIC TO THE PROPERTY OF THE PERSON OF	Sample Parent ID #:	
Sampling Period:	75	To a series of the series of t	
IP SETUP DAY			
		Timer Beginning Date/Time:	5/30/12-2400
Date: 5/29/2012		Beginning Flow Rate (L/min):	2
Time: 0900		Pump Programmed (Yes / No):	yes
		oration Within 10 mL (Yes / No)	
IP RETRIEVAL DAY			
		Timer Ending Date/Time:	. 6/04/12-2400
Date: 1/2-12		Ending Flow Rate (L/min):	2
Date: $\frac{\sqrt{2+\sqrt{2}-12}}{\sqrt{2}}$		Total Sample Volume (L)	OFLO
		Total Sample Time (min):	
		Atmosperic Pressure (INS)	20028
sunni	Temo	perature inside station unit (°F):	1.5 h
5 M n n l	12230-00-08		
MMENTS: (Please note a	ill photographs taker	n, major storm events, vandalisi	
MMENTS: (Please note a	ill photographs taker		
MENTS: (Please note a	ill photographs taker		
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MMENTS: (Please note a	all photographs taker		

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ! TA-20345

Station Location: T-24 (Jordan)	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek	
Pump Number: 36422	
AILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 5-3/-/2 (49)	Flow Rate (L/min): 2
Time: 6 73 7 ()	Cumulative Sample Volume (L): 3 294
	Cumulative Sample Time (min): 1896
	Atmospheric Pressure (INS) 27.4
Time to the state of the state	remperature inside station unit (F): 59.8
	Battery voltage reading (volts): 12, 74
Clandy .	BOXTEMP - 52
AILY CHECK (For each station visit)	STOREST STORES AND TOTAL
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ð ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
D2)	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
7	remperature inside station unit (F).
	Battery voltage reading (volts)
ALY CHECK (For each station visit)	
(Field Tech Initials)	
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
96	Atmospheric pressure (INS):
7	remperature inside station unit (F):
3	Battery voltage reading (volts):
ALY CHECK (For each station visit)	
(Field Tech Initials)	
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
1	emperature inside station unit (F):
	Battery voltage reading (volts)
AILY CHECK (For each station visit)	
(Field Tech Initials)	
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
,	remperature inside station unit (F):
	Battery voltage reading (volts):
	49 YA FANO AV

SN 36422

Date Printed: Tuesday, June 5, 2012 12:48 PM

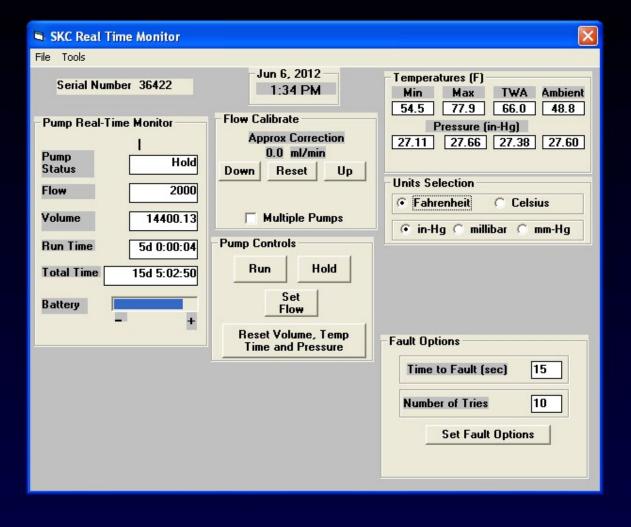
Min Temp 54.5F Max Temp 77.9F TWA Temp 66.0F Min Pressure 27.1

Min Pressure 27.1 In-Hg Max Pressure 27.7 In-Hg TWA Pressure 27.4 In-Hg

No Flow Correction

	.,,		Volume	Accum	-
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Tue May 29 2012 8:56 AM			0:35
Hold		Tue May 29 2012 8:57 AM			0:01
Prog (Hold)		Tue May 29 2012 8:57 AM			5:03
Sleep		Tue May 29 2012 9:02 AM			14:57:38
Prog (Run)	2000	Wed May 30 2012 12:00 AM	<i>I</i> 14400	14400	5d 0:00:02
Hold		Mon Jun 4 2012 12:00 AM			4:59
Sleep		Mon Jun 4 2012 12:05 AM			15:06:00
Hold		Mon Jun 4 2012 3:11 PM			5:27
Sleep		Mon Jun 4 2012 3:16 PM			21:30:17
Hold		Tue Jun 5 2012 12:46 PM			1:15+















	on: T-22 (Tro	y Office)	Sample ID #.	
Field Technicia	an: jj		Filter Lot #:	23171-01
Pump Type/Mod	lel: SKC AirC	hek 2000	Sample Type	TEM
Pump Numbe	er: 36444		Sample Parent ID #:	~
Sampling Period	d:	76	Table Stranger Trade - C. Maria Administrative P. 2011 (1)	
P SETUP DAY				
		Tim	er Beginning Date/Time:	6/9/12-2400
Date: 6/8/20	12	Begi	nning Flow Rate (L/min):	2
Time: 10:	56	Pump	Programmed (Yes / No):	yes
	= 3	Bios Calibration	Within 10 mL (Yes / No)	yes
P RETRIEVAL DAY	,			
		Ť.	Timer Ending Date/Time:	6/14/12-2400
Date: 6-15-1.	Z	E	nding Flow Rate (L/min):	2
Time: 0903		Т.	otal Sample Volume (L):	OFLO
		7	otal Sample Time (min):	7200
nnnt		Atm	ospheric Pressure (INS)	27.94
ann t		Temperatur	e inside station unit (°F):	60.8
			BUXTOMP -	5 6

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA-20348

Station Location: T-22 (Troy Office	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20	00
Pump Number: 36444	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 6-9-12 (99)	Flow Rate (L/min):
Time: 1302 ()	Cumulative Sample Volume (L): 1565
	Cumulative Sample Time (min): 782
www. I was a	Atmospheric Pressure (INS) = 7 6 6
cloudy windy Te	mperature inside station unit (F): 60,9
scatteredrain	Battery voltage reading (volts): 12,70
	BOATEMP- 54
DAILY CHECK (For each station visit)	202.1641
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
, ,	Cumulative Sample Time (min):
7	Atmospheric Pressure (INS)
Te	mperature inside station unit (°F):
10	Battery voltage reading (volts):
	battery voltage reading (volta).
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:	Cumulative Sample Volume (L):
, , , , , , , , , , , , , , , , , , ,	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
To	mperature inside station unit (F):
1.0	Battery voltage reading (volts):
	Battery voltage reading (volts).
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
Time.	
	Cumulative Sample Time (min):
To	Atmospheric Pressure (INS)
le	mperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: (Field Tech Initials)	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L)
	Cumulative Sample Time (min):
¥3	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):

SN 36444

Date Printed: Friday, June 15, 2012 10:03 AM

Min Temp 53.5F Max Temp 94.5F TWA Temp 67.3F

Min Pressure 27.6 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.8 In-Hg

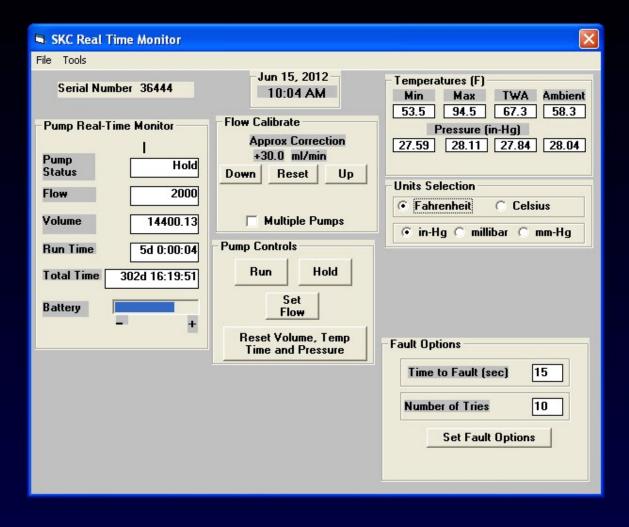
Flow Correction Approximately +30.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Fri Jun 8 2012 11:54 AM			5:10
Sleep		Fri Jun 8 2012 12:00 PM			11:59:53
Prog (Run)	2000	Sat Jun 9 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Thu Jun 14 2012 12:00 AM			4:59
Sleep		Thu Jun 14 2012 12:05 AM			1d 8:57:47
Hold		Fri Jun 15 2012 9:02 AM			5:22
Sleep		Fri Jun 15 2012 9:08 AM			54:28
Hold		Fri Jun 15 2012 10:02 AM			0:22+

File View Tools About





















TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA! Station Location: T-23 (Iron Creek) Field Technician: jj Filter Lot #: 23171-01

Field Technician: jj Pump Type/Model: SKC AirChek 2000 Sample Type TEM Sample Parent ID #: Pump Number: 36428 Sampling Period: PUMP SETUP DAY Timer Beginning Date/Time: 6/9/12-2400 Date: 6/8/2012 Beginning Flow Rate (L/min): 2 Time: 10:55 Pump Programmed (Yes / No): Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY Timer Ending Date/Time: 6/14/12-2400 Ending Flow Rate (L/min): 2 Date: 6-15-12 Time: 0838 Total Sample Volume (L): OFLO Total Sample Time (min): 7200 Atmospheric Pressure (INS) 2762 Temperature inside station unit (°F): 71.7 Surry BOXTEMP-52 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault SIGNATURE: Jung Grade DATE: 6-15-17

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA : TA-20349

ADDITION	AL DAILY CHECK RECORDS	IA-20343
Station Location: T-23 (Iron Cr Field Technician: jj Pump Type/Model: SKC AirChek Pump Number: 36428	Filter Lot #	
DAILY CHECK (For each station visit) (Field Tech Initial Date: 1-9-12 (99) Time: 12-41 (99) Closed Market (For each station visit) (Field Tech Initial Date: (99) Closed Market (For each station visit) (Field Tech Initial Date: (99)	PUMP FAULT (Yes / No) Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min) Atmospheric Pressure (INS) Temperature inside station unit (°F): Battery voltage reading (volts): Box TemP	2 761 2717 75.9 12.76
DAILY CHECK (For each station visit) (Field Tech Initial Date: () Time: ()	ls) PUMP FAULT (Yes / No)	
DAILY CHECK (For each station visit) (Field Tech Initial Date: () Time: ()	PUMP FAULT (Yes / No). Flow Rate (L/min): Cumulative Sample Volume (L). Cumulative Sample Time (min). Atmospheric Pressure (INS) Temperature inside station unit (°F). Battery voltage reading (volts):	
DAILY CHECK (For each station visit) (Field Tech Initial Date: () Time: ()	Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): Battery voltage reading (volts):	

SN 36428

Date Printed: Friday, June 15, 2012 10:05 AM

Min Temp 52.8F Max Temp 105.4F TWA Temp 82.1F Min Pressure 27.1

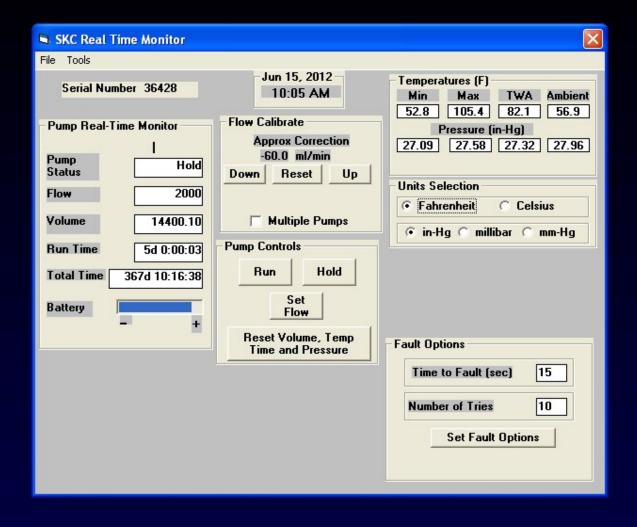
Min Pressure 27.1 In-Hg Max Pressure 27.6 In-Hg TWA Pressure 27.3 In-Hg

Flow Correction Approximately -60.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Fri Jun 8 2012 11:56 AM			5:02
Sleep		Fri Jun 8 2012 12:01 PM			11:58:59
Prog (Run)	2000	Sat Jun 9 2012 12:00 AM	14400	14400	5d 0:00:00
Hold		Thu Jun 14 2012 12:00 AM			4:59
Sleep		Thu Jun 14 2012 12:05 AM			1d 8:32:52
Hold		Fri Jun 15 2012 8:37 AM			5:20
Sleep		Fri Jun 15 2012 8:43 AM			1:21:18
Hold		Fri Jun 15 2012 10:04 AM			0:30+



















TETRA TECH EM INC. OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA-20350 Station Location: T-24 (Jordan) Sample ID #: Filter Lot #: 23171-01 Field Technician: jj Pump Type/Model: SKC AirChek 2000 Sample Type TEM Pump Number: 36422 Sample Parent ID #: Sampling Period: 76 PUMP SETUP DAY Timer Beginning Date/Time: 6/9/12-2400 Date: 6/8/2012 Beginning Flow Rate (L/min): Time: 1054 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY Timer Ending Date/Time: 6/14/12-2400 Ending Flow Rate (L/min): 2 Date: 6-15-12 Total Sample Volume (L): o F L o Time: 0%30 Total Sample Time (min): 72 00 Atmosperic Pressure (INS) 27, 49 Temperature inside station unit (°F): 60. % SUNNY BOXTIMP- 56 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault

DATE: 6-15-12

SIGNATURE: Gry God

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ! TA-20350

Station Location: T-24 (Jordan)	Sample ID #:
Field Technician: jj	Filter Lot #. 23171-01
Pump Type/Model: SKC AirChek 20	
Pump Number: 36422	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 4-9-12 (99)	Flow Rate (L/min): 2
Time: 1230 ()	Cumulative Sample Volume (L): 15 00
	Cumulative Sample Time (min): 75 0
cloudy windy	Atmospheric Pressure (INS) = 7, 15
cloudy windy scattered rain Te	emperature inside station unit (F): 60.1
	Battery voltage reading (volts): 12,6 %
	Box Temp- 51
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): 10
Date: 6 - 10 - 12 (9#)	Flow Rate (L/min): 2
Time: 69 95 ()	Cumulative Sample Volume (L): 4 o 4 9
	Cumulative Sample Time (min): 2 5 24
	Atmospheric Pressure (INS) 2 7 2 9
Cloudy, wind Te	emperature inside station unit (F): 5%, %
senttered rain	Battery voltage reading (volts): 12,68
	Rex Trmp - 50
DAILY CHECK (For each station visit)	AND
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 6-12-12 (99)	Flow Rate (L/min): 2
Time: 0851 ()	Cumulative Sample Volume (L): 9703
	Cumulative Sample Time (min): 4757
	Atmospheric pressure (INS): 2 7. 3 7
≤ nn y Te	emperature inside station unit (F): 12.5%
	Battery voltage reading (volts): 60-7
	Box Temp - 51
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (⊔/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
Dr.	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
	AND A CONTRACTOR OF A CONTRACT
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
Te	emperature inside station unit (F):
	Battery voltage reading (volts)
	Dattery Voltage reading (Volts).

SN 36422

Date Printed: Friday, June 15, 2012 10:06 AM

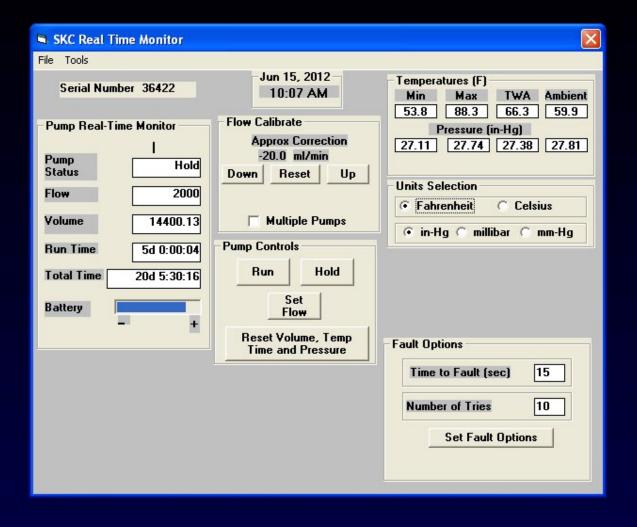
Min Temp 53.8F Max Temp 88.3F TWA Temp 66.3F

Min Pressure 27.1 In-Hg Max Pressure 27.7 In-Hg TWA Pressure 27.4 In-Hg

Flow Correction Approximately -20.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Fri Jun 8 2012 12:11 PM			5:21
Sleep		Fri Jun 8 2012 12:16 PM			11:43:32
Prog (Run)	2000	Sat Jun 9 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Thu Jun 14 2012 12:00 AM			4:59
Sleep		Thu Jun 14 2012 12:05 AM			1d 8:23:32
Hold		Fri Jun 15 2012 8:28 AM			5:19
Sleep		Fri Jun 15 2012 8:33 AM			1:30:47
Hold		Fri Jun 15 2012 10:04 AM			1:21+











TETRA TECH EM INC. OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S TA-20351 Station Location: T-24QC(Jordan) Sample ID #: Filter Lot #: 23171-01 Field Technician: jj Sample Type TEM -Pump Type/Model: SKC AirChek 2000 Pump Number: 36381 Sample Parent ID #: TA-20350 Sampling Period: PUMP SETUP DAY Timer Beginning Date/Time: 6/9/12-2400 Date: 6/8/2012 Beginning Flow Rate (L/min): 2 Time: 1055-0:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes PUMP RETRIEVAL DAY Timer Ending Date/Time: 6/14/12-2400 Date: 4-15-12 Ending Flow Rate (L/min): Total Sample Volume (L): OFLO Time: 0828 Total Sample Time (min): 6452 Atmospheric Pressure (INS) 2 7 H 1 Temperature inside station unit (°F): 57 8 SHANY BOXTPMP - 50 COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault Bump tant ton 6-9-12. Pump not running then a beek restarted. Pump funtiaged run throughout restot sample Peris SIGNATURE: Gran Grah

DATE: 6-15-12

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA-20351

		DAILY CHECK RECORDS	
Station Location	T-29QG(Iron Cre	ok) 7-24 - Q ← Sample ID #:	
Field Technician:		(Surdan) Filter Lot #: 23171-01	
Pump Type/Model:		00	
Pump Number:	36412 363	8)	
DAILY CHECK (For each		- 4 4 - 1	
(F	ield Tech Initials)	PUMP FAULT (Yes / No): Ye 5	
Date: <u>₹</u> - 9 - 12		Flow Rate (L/min): 2	-
Time: /2 3 1	()	Cumulative Sample Volume (L): 56 . 9	
Form the second	38 A	Cumulative Sample Time (min): 4	
Pumpfault @	ONE MINNIE	Atmospheric Pressure (INS) 2 7.14	
restarted	Ten	nperature inside station unit (F): 51.6	
		Battery voltage reading (volts): 12, 9 3	
cloudy, windy	a.	Box Temp - 51	
AILY CHECK (For each	station visit)	150 X 1,5 m) 2.1	
[생경하다. [17] [18]	ield Tech Initials)	PUMP FAULT (Yes / No):	
Date: 6-10-12		Flow Rate (L/min): Z	
	(90)	Cumulative Sample Volume (L): 2551	
Time: 0943	A 1	Cumulative Sample Volume (L): 2351 Cumulative Sample Time (min): 12 76	-
loud y windy	700	Atmospheric Pressure (INS) 27.21	
contered rain	i.en	nperature inside station unit (F): 58, 2	
		Battery voltage reading (volts): 12,76	
MILV CHECK JE	ST-011-10	BOXTEMP- 50	
DAILY CHECK (For each		SUMP FAULT W- IN 1	
	ield Tech Initials)	PUMP FAULT (Yes / No): NO	
Date: 4-12-12	(99)	Flow Rate (L/min): 2	
Time: 0853	()	Cumulative Sample Volume (L): 2 4 //	
		Cumulative Sample Time (min): 4/05	
SHANY		Atmospheric Pressure (INS) 2 7.2 6	
	Ten	nperature inside station unit (F): 100 2	
		Battery voltage reading (volts): 12,67	
		30×7° m.6.51	
AILY CHECK (For each			
	ield Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	()	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
	90	Atmospheric Pressure (INS)	
	Ten	nperature inside station unit (F):	
		Battery voltage reading (volts):	
AILY CHECK (For each	station visit)		
Acceptance of the control of the con	ield Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	()	Cumulative Sample Volume (L):	
110100		Cumulative Sample Time (min):	
		Atmospheric Proseuro (INIS)	
	Ton	nperature inside station unit (F):	
	1611	Battery voltage reading (volts):	
		Dation & voltage reading (volts)	

SN 36381

Date Printed: Friday, June 15, 2012 10:08 AM

Min Temp 50.7F Max Temp 86.5F TWA Temp 66.2F Min Pressure 27.1

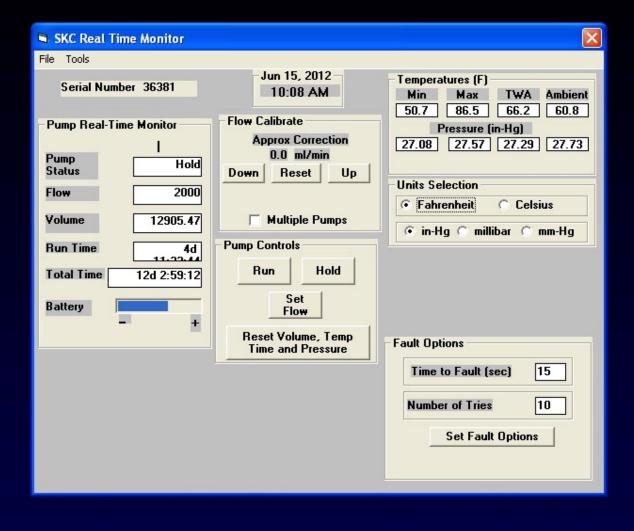
Min Pressure 27.1 In-Hg Max Pressure 27.6 In-Hg TWA Pressure 27.3 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold) Sleep Prog (Run) Low Bat Sleep Prog (Hold) Prog (Run)	2000	Fri Jun 8 2012 12:12 PM Fri Jun 8 2012 12:17 PM Sat Jun 9 2012 12:00 AM Sat Jun 9 2012 12:01 AM Sat Jun 9 2012 12:01 AM Sat Jun 9 2012 12:28 PM Sat Jun 9 2012 12:28 PM	2.567	2.567	5:07 11:42:53 1:17 0:10 12:27:05 0:05 4d 11:31:24
Hold Sleep Hold Sleep Hold		Thu Jun 14 2012 12:00 AM Thu Jun 14 2012 12:05 AM Fri Jun 15 2012 8:29 AM Fri Jun 15 2012 8:35 AM Fri Jun 15 2012 10:04 AM	,	.2000	4:59 1d 8:24:56 5:11 1:29:26 3:26+















	TETRA TECH EM INC.			
OU7 OUTDOOR A	MBIENT AIR - FIELD SAMPL	E DATA S	TA-2	035
Station Location: Field	Rlank	ample ID #	174-2	000
Station Location: Field Blank Sample ID #: Field Technician: jj Filter Lot #: 2			3171_01	
Pump Type/Model:		ample Type: T		
Pump Number: -		Parent ID #		
Sampling Period	77		*	
MP SETUP DAY				
	Timer Beginning	Date/Time: 6	5/19/2012	2400
Date: 6/18/2012	Beginning Flow R		_	
Time: 1344	Pump Programmed	(Yes / No):	-	
	Bios Calibration Within 10 mL	_ (Yes / No)		
MP RETRIEVAL DAY				
	Timer Ending			
Date:	Ending Flow Ra	ate (L/min):	_	
Time:	Total Sample \			
	Total Sample	Time (min):	-	
	Atmospheric Pres	ssure (INS)_		
	Temperature inside static	on unit (°F):	•	
			<u> </u>	
NATURE: A Dem	/ DATE: /	-18-1	5	

		CH EM INC.	
OU7 OUTDOOR AM	BIENT AIR - FI	ELD SAMPLE DATA S	TA-2035
Station Location: T-21 (F	ire Station)	Sample ID #	IA-2033
Field Technician: jj		Filter Lot #: 2	2474.04
Pump Type/Model: SKC AirChek 2000			
Pump Number: 36484	ii Cilek 2000	Sample Type: T	
57/	77	Sample Parent ID #:_	~
Sampling Period: JMP SETUP DAY	77		
INIP SETUP DAT	T1	and the second	
Date: 6/18/2012		mer Beginning Date/Time:_	
	Det	ginning Flow Rate (L/min):	2
Time: 13:36		Programmed (Yes / No):_	
	Bios Calibratio	in Within 10 mL (Yes / No)_	yes
IMP RETRIEVAL DAY			
		Timer Ending Date/Time:	6/24/12-2400
Date: 3-85-11	1	Ending Flow Rate (L/min):	2
Time: 44		Total Sample Volume (L):	366
		Total Sample Time (min):	1200
		mospheric Pressure (INS)_	
	Temperati	ure inside station unit (°F):	70
ia,			
NATURE:		DATE: G-06-IL	

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S ADDITIONAL DAILY CHECK RECORDS

TA-20353

Station Location: T-21 (Fire Station	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 200	0
Pump Number: 36484	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: 6-19-12 (99)	Flow Rate (L/min): 2
Time: 1030 ()	Cumulative Sample Volume (L): 1260
	Cumulative Sample Time (min): 629
	Atmospheric Pressure (INS) 2 1.62
Ten	nperature inside station unit (F): 73.5
clondy, windy	Battery voltage reading (volts): 12.69
	BOXTPMP- 59
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Ten	nperature inside station unit (F):
	Battery voltage reading (volts):
	,,
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date:	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Tem	perature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Tem	perature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
×.	Atmospheric Pressure (INS)
Tem	perature inside station unit (F):
	Battery voltage reading (volts):

SN 36484

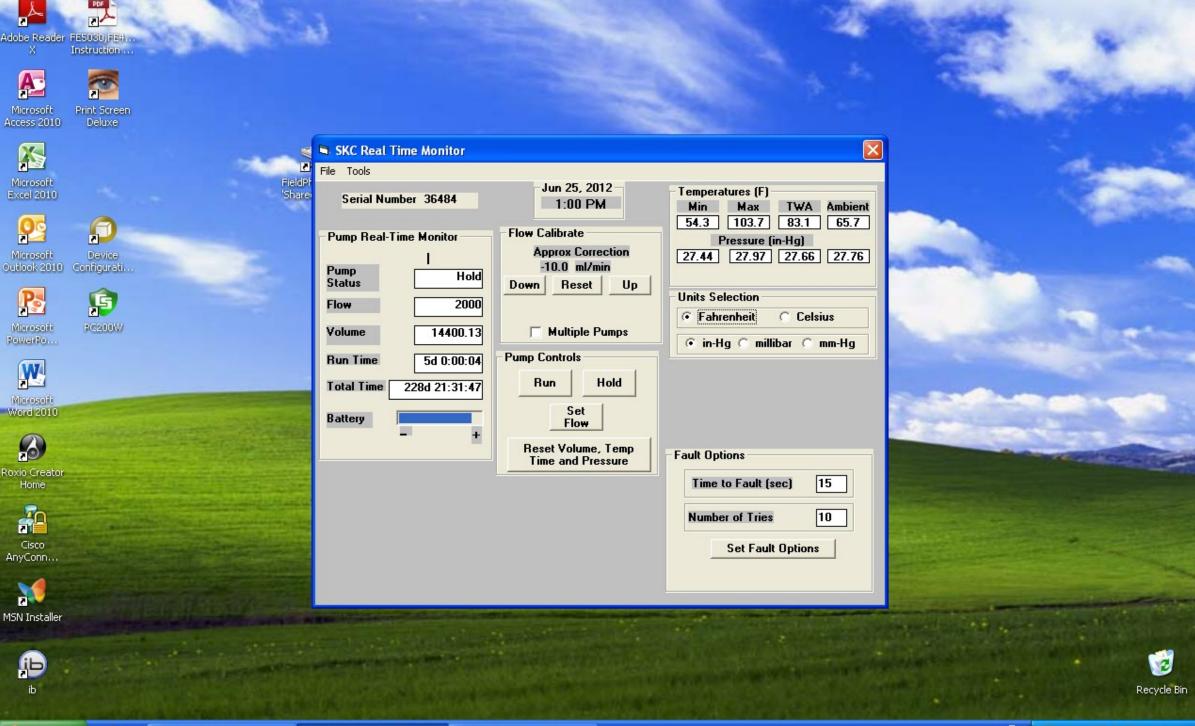
Date Printed: Monday, June 25, 2012 12:58 PM

Min Temp 54.3F Max Temp 103.7F TWA Temp 83.1F Min Pressure 27.4 I

Min Pressure 27.4 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.7 In-Hg

Flow Correction Approximately -10.0 ml/min

		0	Volume	Accum	5 .:
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Mon Jun 18 2012 3:03 PM			5:11
Sleep		Mon Jun 18 2012 3:08 PM			8:51:37
Prog (Run)	2000	Tue Jun 19 2012 12:00 AM	14400	14400	5d 0:00:01
Hold		Sun Jun 24 2012 12:00 AM			4:59
Sleep		Sun Jun 24 2012 12:05 AM			1d 11:39:20
Hold		Mon Jun 25 2012 11:44 AM			6:06
Sleep		Mon Jun 25 2012 11:50 AM			1:02:13
Hold		Mon Jun 25 2012 12:52 PM			5:20+















	OUT OUTDOO		CH EM INC.		
	007 001000	OK AMBIENT AIK - F	IELD SAMPLE DATA S	TA-2035	
	Station Location:	T-21QC(Fire Station)	Sample ID #;	.,,	
			Filter Lot #: 2:	3171-01	
Pump Type/Model: SKC AirChek 2000		Sample Type: T			
	Pump Number: 36442		Sample Parent ID #:		
	Sampling Period:		€.	TA-2035	
IP SI	ETUP DAY				
		Т	imer Beginning Date/Time:	6/19/12-2400	
D	ate: 6/18/2012		ginning Flow Rate (L/min)		
Ti	me: 13:39		p Programmed (Yes / No):		
			on Within 10 mL (Yes / No)_		
PR	ETRIEVAL DAY				
			Timer Ending Date/Time:	6/24/12-2400	
D	ate: 💪 🧢 🗀		Ending Flow Rate (L/min):	2	
Ti	me: // 47	•	Total Sample Volume (L):	offo.	
10			Total Sample Time (min):	1200	
			tmospheric Pressure (INS)	911/5	
		Temperat	ure inside station unit (°F):	5 / D	
			-		
)—————————————————————————————————————		

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S TA-20354

ADDITIONAL DAILY CHECK RECORDS	
Station Location: T-21QC(Fire Station) Sample ID #:	
Field Technician: jj Filter Lot #: 23171-01	
Pump Type/Model: SKC AirChek 2000	
Pump Number: 36442	
DAILY CHECK (For each station visit)	_
(Field Tech Initials) PUMP FAULT (Yes / No):	
Pote: (18 Pote Marie Pote Pote	
Date: 6-19-12 (9) Flow Rate (L/min): 2	
Time: 1031 () Cumulative Sample Volume (L): 1262	
Cumulative Sample Time (min): 6 3 0	
Atmospheric Pressure (INS) 27, 47	
Temperature inside station unit (F): 66.0	
Temperature inside station unit (F): 66.0 Battery voltage reading (volts): 12.72	
BOX TEMP- 59	
BAILY CHECK (For each station visit)	_
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: () Flow Rate (L/min):	
Time: () Cumulative Sample Volume (L):	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (F):	
Battery voltage reading (volts):	
DAILY CHECK (For each station visit)	_
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: () Flow Rate (L/min):	
Time: Cumulative Sample Volume (L):	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (°F):	
Battery voltage reading (volts):	
DAILY CHECK (For each station visit)	\neg
(Field Tech Initials) PLIMP FALLET (Ves / No.)	
Date: () Flow Rate (L/min):	
Times () Consulative Consulative Consulative ()	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (F):	
Battery voltage reading (volts):	
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT (Yes / No):	
Date: () Flow Rate (L/min):	
Time: () Cumulative Sample Volume (L):	
Cumulative Sample Time (min):	
Atmospheric Pressure (INS)	
Temperature inside station unit (F):	
Battery voltage reading (volts):	

SN 36381

Date Printed: Monday, June 25, 2012 1:03 PM

Min Temp 56.0F Max Temp 96.9F TWA Temp 76.2F

Min Pressure 27.2 In-Hg Max Pressure 27.8 In-Hg TWA Pressure 27.5 In-Hg

Flow Correction Approximately -10.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Mon Jun 18 2012 3:06 PM			5:02
Sleep		Mon Jun 18 2012 3:11 PM			8:48:01
Prog (Run)	2000	Tue Jun 19 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Sun Jun 24 2012 12:00 AM			4:59
Sleep		Sun Jun 24 2012 12:05 AM			1d 11:42:07
Hold		Mon Jun 25 2012 11:47 AM			6:01
Sleep		Mon Jun 25 2012 11:53 AM			1:08:23
Hold		Mon Jun 25 2012 1:01 PM			1:28+

Station Location: T-22 (Troy Office)	Sample ID #:	TA-203
Field Technician: jj		Filter Lot #:	
	Pump Type/Model: SKC AirChek 2000		
Pump Number: 36444		Sample Type Sample Parent ID #:	
Sampling Period:	77	oumple raicht ib #.	
P SETUP DAY			
	Т	imer Beginning Date/Time:	6/19/12-240
Date: 6/18/2012		eginning Flow Rate (L/min):	
Time: 13:40		np Programmed (Yes / No):	
		on Within 10 mL (Yes / No)	
P RETRIEVAL DAY			
		Timer Ending Date/Time:	/24/12-240
Date: 6-05-11.		Ending Flow Rate (L/min):	2
Time: 12:01		Total Sample Volume (L):	OFID
		Total Sample Time (min):	7900
	A	tmospheric Pressure (INS)	27.80
		ture inside station unit (°F):	
MENTS: (Please note all phot	ograpiis takeii, iii	ajor storm events, varidalism	i, and reason for puri

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S ADDITIONAL DAILY CHECK RECORDS TA-20355

Station Location: T-22 (Troy Office	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20	
Pump Number: 36444	
DAILY CHECK (For each station visit)	DUMP FAULT (Voc / No):
(Field Tech Initials)	PUMP FAULT (Yes / No): ~/O
Date: 6-19-12 (98)	Flow Rate (L/min): 2
Time: 1040 ()	Cumulative Sample Volume (L): 12 %0
	Cumulative Sample Time (min): 6 40
_	Atmospheric Pressure (INS) 27.81
Ter Ter	mperature inside station unit (°F): 6φ, 1
Cloudyswindy	Battery voltage reading (volts): 12.71
	BOXTOMP - 58
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cultulative Sample volume (L).
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Ter	mperature inside station unit (°F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:	Cumulativa Sample Volume (I.):
(//	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Ter	mperature inside station unit (F):
101	Battery voltage reading (volts):
	Battery voltage reading (volts).
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PLIMP FALLT (Ves / No):
Date: ()	PUMP FAULT (Yes / No):
Time:	Flow Rate (L/min):
Time:()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
l er	mperature inside station unit (F)
	Battery voltage reading (volts):
DAIL VICILEON (For each station visit)	
DAILY CHECK (For each station visit)	DUMP FAULT (Vec / Ne):
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Ter	mperature inside station unit (F):
	Battery voltage reading (volts):

SN 36444

Date Printed: Monday, June 25, 2012 1:05 PM

Min Temp 55.5F Max Temp 97.7F TWA Temp 75.5F

Min Pressure 27.6 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.8 In-Hg

Flow Correction Approximately +40.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Mon Jun 18 2012 3:04 PM			5:06
Sleep		Mon Jun 18 2012 3:09 PM			8:50:20
Prog (Run)	2000	Tue Jun 19 2012 12:00 AM	14400	14400	5d 0:00:01
Hold		Sun Jun 24 2012 12:00 AM			4:59
Sleep		Sun Jun 24 2012 12:05 AM			1d 11:56:01
Hold		Mon Jun 25 2012 12:01 PM			5:32
Sleep		Mon Jun 25 2012 12:06 PM			57:58
Hold		Mon Jun 25 2012 1:04 PM			0:28+

OUZ OUTDOO	CONTRACTOR SAME AND ADMINISTRATION OF THE PARTY OF THE PA	CH EM INC.	
001 001000	R AMBIENT AIR - F	IELD SAMPLE DATA S	TA-2035
Station Location	T-23 (Iron Creek)	Sample ID #	17-2000
Field Technician:		Filter Lot #: _	23171-01
Pump Type/Model: SKC AirChek 2000		Sample Type T	
		Sample Parent ID #	
Sampling Period:	Pump Number: 36428 Sampling Period: 77		
MP SETUP DAY	3.1		N.
WIF SETUP DAT	4	imas Basinaias Data (Timas	
Date: 6/18/2012		imer Beginning Date/Time:	
		eginning Flow Rate (L/min): _	
Time:13.41		p Programmed (Yes / No).	
	Bios Calibratio	on Within 10 mL (Yes / No) _	yes
MP RETRIEVAL DAY			
		Timer Ending Date/Time: _	6/24/12-2400
Date: 6/25/12		Ending Flow Rate (L/min): _	2
Time:		Total Sample Volume (L): _	
		Total Sample Time (min):	1000
		tmospheric Pressure (INS) _	
	Temperat	ture inside station unit (°F):	807
	-		

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 TA-20356

ADDITIONAL DAILY CHECK F	RECORDS IM-2000
Station Location: T-23 (Iron Creek)	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 2000	
Pump Number: 36428	
DAILY CHECK (For each station visit)	
	T (Yes / No): NO
Date: 6-19-12 (99) Flow	Rate (L/min): 2
	e Volume (L): 1236
Cumulative Sample	e Time (min): 6/8
Atmospheric Pr	ressure (INS) 27.28
Tamagatus incide etc	tion
dlandy windy Battery voltage re	ading (volts): 12.75
G.	x Temp - 57
DAILY CHECK (For each station visit)	A TEME
	T (Yes / No):
Date: () Flow	Rate (L/min):
Time: () Cumulative Sample	
	e Time (min):
Atmospheric Pr	ressure (INS)
Temperature inside sta	tion unit (°F):
Ratteny voltage re	ading (volts):
Battery voltage re-	ading (voits).
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT	T (Yes / No):
Date: () Flow	Rate (I /min):
Time: () Cumulative Sample	Rate (L/min):
/ / Junior Campie	e Time (min):
Atmospheric Pr	ressure (INS)
Temperature inside sta	tion unit (°F):
Rattery voltage re	ading (volts):
battery voltage re-	adilig (voits).
DAILY CHECK (For each station visit)	
(Field Tech Initials) PUMP FAULT	(Yes / No):
Date: () Flow	Rate (L/min):
Time: () Cumulative Sample	Volume (L):
	e Time (min):
Atmospheric Pr	ressure (INS)
Temperature inside sta	tion unit (°F):
Battery voltage re	ading (volts):
ballery vollage ro	during (volto).
DAILY CHECK (For each station visit)	-
	「(Yes / No):
Date: () Flow	Rate (L/min):
Time: () Cumulative Sample	Volume (L):
Cumulative Sample	e Time (min):
Δtmosnheric Pr	essure (INS)
Temperature incide etal	tion unit (°F):
Rattery voltage re-	ading (volts):
Dattery Voltage Tea	GG.119 (4010).

SN 36428

Date Printed: Monday, June 25, 2012 1:08 PM

Min Temp 54.1F Max Temp 106.1F TWA Temp 89.6F Min Pressure 27.0 In-Hg

Max Pressure 27.7 In-Hg TWA Pressure 27.3 In-Hg

Flow Correction Approximately -50.0 ml/min

Мс	ode	Value	Start	Volume Liters	Accum Volume	Duration
	•					
Sle Pro Ho Sle Ho	eep ild eep	2000	Mon Jun 18 2012 3:05 PM Mon Jun 18 2012 3:10 PM Tue Jun 19 2012 12:00 AM Sun Jun 24 2012 12:00 AM Sun Jun 24 2012 12:05 AM Mon Jun 25 2012 11:25 AM Mon Jun 25 2012 11:32 AM Mon Jun 25 2012 1:06 PM	14400	14400	5:03 8:49:39 5d 0:00:02 4:59 1d 11:20:02 7:01 1:34:23 1:33+

OUT OUTDOOR AME	TETRA TECH EM INC. ENT AIR - FIELD SAMPLE DATA S	
OUT OUTDOOK AINIBI	ENT AIR - FIELD SAMPLE DATA S	TA-2035
Station Location: T-24 (Jor	dan) Sample ID #:	
Field Technician: jj - 7		23171-01
Pump Type/Model: SKC AirC		
Pump Number: 36422	Sample Parent ID #	
	77	
JMP SETUP DAY		
5	Timer Beginning Date/Time:	6/19/12-2400
Date: 6/18/2012	Beginning Flow Rate (L/min):	2
Time: 13:42	Pump Programmed (Yes / No):	
	Bios Calibration Within 10 mL (Yes / No)	
JMP RETRIEVAL DAY		
	Timer Ending Date/Time:	
Date: 15-25-12	Ending Flow Rate (L/min):	2
Time: 0903	Total Sample Volume (L):	OFLO
	Total Sample Time (min):	7200
	Atmosperic Pressure (INS)	27:37
	Temperature inside station unit (°F):	
	=======================================	
•		-
		-
		-
		
CNATURE A A I	DATE: 4 - 2 d - 1	-

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S ADDITIONAL DAILY CHECK RECORDS TA-20357

Station Location: T-24 (Jordan)	Sample ID #:
Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 200	
Pump Number: 36422	
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
,	Flow Rate (L/min): 2
Date: <u>6-19-12</u> (9) Time: <u>1011</u> (9)	Cumulative Sample Volume (L): 12 2 3
Time/6//	Cumulative Sample Volume (c).
	Cumulative Sample Time (min): 6 1 1 Atmospheric Pressure (INS) 27, 29
Tor	mperature inside station unit (F): b2.7
cloudy, Windy	Battery voltage reading (volts): 12.82
- roccod to a fred	battery voltage reading (volts). 12.82
DAILY CHECK (For each station visit)	BOXTAMP-56
(Field Tech Initials)	PLIMP FALL T (Ves / No):
Date: ()	PUMP FAULT (Yes / No):
Time: ()	Flow Rate (L/min):
Title(Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
Tor	Atmospheric Pressure (INS)
lei	mperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:	
· · · · · · · · · · · · · · · · · · ·	Cumulative Sample Time (min):
	Atmospheric pressure (INS):
Ten	nperature inside station unit (F):
101	Battery voltage reading (volts):
	Battery voltage reading (volta).
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
, ,	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Ten	nperature inside station unit (F):
	Battery voltage reading (volts):
	()
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
Ten	nperature inside station unit (F):
	Battery voltage reading (volts):

SN 36422

Date Printed: Monday, June 25, 2012 1:10 PM

Min Temp 55.1F Max Temp 91.5F TWA Temp 71.4F

Min Pressure 27.1 In-Hg Max Pressure 27.7 In-Hg TWA Pressure 27.4 In-Hg

Flow Correction Approximately -40.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Mon Jun 18 2012 3:06 PM			5:08
Sleep		Mon Jun 18 2012 3:11 PM			8:48:37
Prog (Run)	2000	Tue Jun 19 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Sun Jun 24 2012 12:00 AM			4:59
Sleep		Sun Jun 24 2012 12:05 AM			1d 8:58:04
Hold		Mon Jun 25 2012 9:03 AM			5:24
Sleep		Mon Jun 25 2012 9:08 AM			4:01:05
Hold		Mon Jun 25 2012 1:09 PM			0:26+



TETRA TECH EM INC.							
OU7 OUTDOO	OR AMBIENT AIR -	FIELD SAMPLE DATA S	TA-2	00350			
Station Location	T-21 (Fire Station)	Sample ID #:	177-2	.0333			
Field Technician:		Filter Lot #:	23171-01				
	SKC AirChek 2000	Sample Type	50-0-00 File/300X				
Pump Number:		Sample Parent ID #					
Sampling Period	Access to the second se						
IMP SETUP DAY							
		Timer Beginning Date/Time:	6/29/2012	2400			
Date: 6/28/2012		Beginning Flow Rate (L/min):					
Time: 8:17	Pu	mp Programmed (Yes / No):	yes				
	Bios Calibra	tion Within 10 mL (Yes / No)	yes				
IMP RETRIEVAL DAY							
		Timer Ending Date/Time:	7/4/2012	2400			
Date:		Ending Flow Rate (L/min):	2				
Time: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Total Sample Volume (L):	OfLO				
		Total Sample Time (min):	7,200				
		Atmospheric Pressure (INS)	JR nit				
	Temper	ature inside station unit (°F):	6.23				
		Pn - 77					
		-					
ent ID TAA-101810							
GNATURE:	n m	DATE:					

Station Loca	tion: T-21 (Fire Stat	tion) Sample ID #:
Field Techni	cian: jj	Filter Lot #: 23171-01
Pump Type/Me	odel: SKC AirChek	2000
	ber: 36484	
DAILY CHECK (For	each station visit)	
	(Field Tech Initials	PUMP FAULT (Yes / No): 📈 🤏
Date: 4-29-	12 (99)	Flow Rate (L/min): 2
Time: 11 35	(7/0)	Cumulative Sample Volume (L): / 500
		Cumulative Sample Time (min): 637
		Atmospheric Pressure (INS) \$77.
awa saasto saa		Temperature inside station unit (F):
Partly Cl.	1 1 1 W	Battery voltage reading (volts):
		BOXTEMP- TO
AILY CHECK (For	each station visit)	
	(Field Tech Initials	THE STATE OF THE S
Date:	()	Flow Rate (L/min):
Time:	()	Cumulative Sample Volume (L):
		Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
	j	Temperature inside station unit (F):
		Battery voltage reading (volts):
		16 91 20121 200
AILY CHECK (For	크리트리아 아름이 얼마를 되었다면 하는 사람이 하지 않아 있다면 하다.	
799 W.	(Field Tech Initials	8)
Date:	()	Flow Rate (L/min)
Time:	()	Cumulative Sample Volume (L):
		Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
		Temperature inside station unit (F):
		Battery voltage reading (volts):
AILY CHECK (For	ach station visit)	
AIL! CHECK (FOR	(Field Tech Initials)) PUMP FAULT (Yes / No):
Date:	(leio recir mittals	Flow Rate (L/min):
Time:	- ; (Cumulative Sample Volume (L):
THE STATE OF THE S	— × × ×	Cumulative Sample Volume (E).
		Atmospheric Pressure (INS)
	-	Temperature inside station unit (F):
		Battery voltage reading (volts):
		country voltage reading (volts).
AILY CHECK (For	each station visit)	
eniges with thirties Metalli	(Field Tech Initials) PUMP FAULT (Yes / No):
Date:	()	Flow Rate (L/min)
Time:	— i i	Cumulative Sample Volume (L):
7000000	- · · · · · · · · · · · · · · · · · · ·	Cumulative Sample Time (min):
		Atmospheric Pressure (INS)
		Temperature inside station unit (F):
		Battery voltage reading (volts):
		3,1000

Date Printed: Friday, July 6, 2012 2:23 PM

Min Temp 57.5F Max Temp 103.0F TWA Temp 86.1F

Min Pressure 27.4 In-Hg Max Pressure 27.9 In-Hg TWA Pressure 27.7 In-Hg

Flow Correction Approximately -10.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Thu Jun 28 2012 8:55 AM			5:45
Sleep		Thu Jun 28 2012 9:00 AM			14:59:03
Prog (Run)	2000	Fri Jun 29 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Wed Jul 4 2012 12:00 AM			4:59
Sleep		Wed Jul 4 2012 12:05 AM			1d 23:54:59
Hold		Fri Jul 6 2012 12:00 AM			4:58
Sleep		Fri Jul 6 2012 12:04 AM			13:11:47
Hold		Fri Jul 6 2012 1:16 PM			5:20
Sleep		Fri Jul 6 2012 1:22 PM			55:23
Hold		Fri Jul 6 2012 2:17 PM			5:32+

	TETRA TE	ECH EM INC.		
OU7 OUTDOOL	R AMBIENT AIR - F	IELD SAMPLE DATA S	TA-2	กรด
Station Location: 1	-22 (Troy Office)	Sample ID #:	177-2	.030
Field Technician: jj		Filter Lot #:	23171-01	
Pump Type/Model: \$		Sample Type		
Pump Number: 3		Sample Parent ID #.	LEGAL	
Sampling Period:	78	Sample Falent ID #.		
JMP SETUP DAY	70			
INIP SETUP DAT	22		0/00/0040	0.400
D-1 C/00/00/10		imer Beginning Date/Time:		2400
Date: 6/28/2012		eginning Flow Rate (L/min):		
Time: 8:18		p Programmed (Yes / No)		
	Bios Calibrati	on Within 10 mL (Yes / No)	yes	
IMP RETRIEVAL DAY				
1.5		Timer Ending Date/Time:	7/4/2012	2400
Date: 7/G/14		Ending Flow Rate (L/min):	2	
Time: 1% 33		Total Sample Volume (L):	0510	-
		Total Sample Time (min):	2000	
	. A	tmospheric Pressure (INS)	28.11	
		ture inside station unit (°F)		
	rempere	Boy Temo	11. 2	
				-
128				
ent ID TAA-101810				
SNATURE:	00.	DATE: 7/6/14		

Station Location: T-22 (Troy Office Field Technician: jj	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek 20 Pump Number: 36444	100
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): NO
Date: C. 29-12 (Tm.)	Flow Rate (L/min):
Time: 10'- 20/ ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min): 71//
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F): 75.6
	Battery voltage reading (volts): 10.73
	Day 12ma 79
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min)
Time: ()	Cumulative Sample Volume (L):
200 All	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F)
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
±3	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	DIMD FALLT (Ves / Nev
(Field Tech Initials) Date: ()	PUMP FAULT (Yes / No):
	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	mperature inside station unit (F):
	Battery voltage reading (volts):

SN 36444

Date Printed: Friday, July 6, 2012 2:26 PM

Min Temp 57.4F
Max Temp 97.7F
TWA Temp 80.4F
Min Pressure 27.7 In-Hg
Max Pressure 28.0 In-Hg

TWA Pressure 27.9 In-Hg

Flow Correction Approximately +40.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold)		Thu Jun 28 2012 9:00 AM			5:09
Sleep		Thu Jun 28 2012 9:05 AM			14:54:44
Prog (Run)	2000	Fri Jun 29 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Wed Jul 4 2012 12:00 AM			4:59
Sleep		Wed Jul 4 2012 12:05 AM			1d 23:54:59
Hold		Fri Jul 6 2012 12:00 AM			4:58
Sleep		Fri Jul 6 2012 12:04 AM			13:28:39
Hold		Fri Jul 6 2012 1:33 PM			5:18
Sleep		Fri Jul 6 2012 1:38 PM			39:16
Hold		Fri Jul 6 2012 2:18 PM			4:58
Sleep		Fri Jul 6 2012 2:23 PM			2:12
Hold		Fri Jul 6 2012 2:25 PM			0:39+

	TETRA TE	ECH EM INC.	
OU7 OUTDOO	OR AMBIENT AIR - F	IELD SAMPLE DATA S	TA-2036
Charles I and the	T 22000//	0	17-2030
	T-22QC(troyoffice)	Sample ID #:	0.171.01
Field Technician:		Filter Lot #: 2	
	SKC AirChek 2000	Sample Type T	
Pump Number:		Sample Parent ID:	TA-20360
Sampling Period:	78		
MP SETUP DAY			
		imer Beginning Date/Time:_	
Date: 6/28/2012		eginning Flow Rate (L/min):_	2
Time: 8:16	Pun	np Programmed (Yes / No):_	yes
	Bios Calibrati	on Within 10 mL (Yes / No)_	yes
MP RETRIEVAL DAY			
		Timer Ending Date/Time:	7/4/2012 2400
Date:		Ending Flow Rate (L/min):_	2
Time: \2 ' -/ \6		Total Sample Volume (L):	oflo.
		Total Sample Time (min):	2200
	A	tmospheric Pressure (INS)	
		ture inside station unit (°F):	
		2	
	-		
	12		
			
			Serger.
nt ID TAA-101810			
110 1771-101010			

	Station Loc	cation: T-22QC(troy o	ffice) Sample ID #:
	Field Tech		Filter Lot #: 23171-01
	Pump Type/f	Model: SKC AirChek 2	000
		mber: 36442	
YAILAC	CHECK (For	r each station visit)	
		(Field Tech Initials)	PUMP FAULT (Yes / No):
	Date: G SR	(Im)	Flow Rate (L/min):
	Time: 15	o ()	Cumulative Sample Volume (L): 14/19
			Cumulative Sample Time (min): 747/
			Atmospheric Pressure (INSWT) CP
		Ť	emperature inside station unit (F): (6.8
			Battery voltage reading (volts): 12.75
			100 mg 80
AILY	CHECK (For	r each station visit)	
	(9)	(Field Tech Initials)	PUMP FAULT (Yes / No):
	Date:	()	Flow Rate (L/min):
	Time:	()	Cumulative Sample Volume (L);
		C. T.	Cumulative Sample Time (min):
			Atmospheric Pressure (INS)
		T	emperature inside station unit (F):
			Battery voltage reading (volts)
			62 SS 63 SZ 6241
DAILY	CHECK (For	reach station visit)	920 0000000 18 16 10 00 002 10 10 10 10 10 10 10 10 10 10 10 10 10
		(Field Tech Initials)	PUMP FAULT (Yes / No):
		()	Flow Rate (L/min)
	Time:	()	Cumulative Sample Volume (L):
			Cumulative Sample Time (min):
			Atmospheric Pressure (INS)
		7	Atmospheric Pressure (INS)emperature inside station unit (F):
		Т	Atmospheric Pressure (INS)
ΔΙΙ Υ	CHECK (For		Atmospheric Pressure (INS)emperature inside station unit (F):
DAILY	CHECK (For	reach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts):
DAILY	CHECK (For		Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (I /min):
DAILY	26	reach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min):
DAILY	Date:	reach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L):
DAILY	Date:	reach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min):
DAILY	Date:	r each station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)
DAILY	Date:	r each station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F):
DAILY	Date:	r each station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)
	Date:	r each station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F):
	Date:	r each station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts):
	Date:	reach station visit) (Field Tech Initials) () () Treach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts):
	Date: Time:	reach station visit) (Field Tech Initials) () () Treach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No):
	Date: Time: CHECK (For	reach station visit) (Field Tech Initials) () () Treach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L):
	Date: Time: CHECK (For	reach station visit) (Field Tech Initials) () () Treach station visit)	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)
	Date: Time: CHECK (For	r each station visit) (Field Tech Initials) () () Treach station visit) (Field Tech Initials) () ()	Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) emperature inside station unit (F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L):

SN 36381

Date Printed: Friday, July 6, 2012 2:34 PM

Min Temp 57.3F Max Temp 98.9F TWA Temp 82.3F Min Pressure 27.3 In-Hg Max Pressure 27.7 In-Hg

TWA Pressure 27.6 In-Hg

Flow Correction Approximately -10.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Drog (Hold)		Thu Jun 28 2012 8:59 AM			5:03
Prog (Hold) Sleep		Thu Jun 28 2012 6:59 AM			14:55:35
Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold Sleep	2000	Fri Jun 29 2012 12:00 AM Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 1:40 PM Fri Jul 6 2012 1:45 PM Fri Jul 6 2012 2:18 PM Fri Jul 6 2012 2:23 PM	14400	14400	5d 0:00:02 4:59 1d 23:54:59 4:58 13:35:24 5:21 32:50 4:58 9:50
Hold		Fri Jul 6 2012 2:33 PM			0:39+

		FIELD SAMPLE DATA S	TA-2	2036
Station Location:	T-23 (Iron Creek)	Sample ID #:		
Field Technician:	ij.	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2000	Sample Type	TEM	
Pump Number	36428	Sample Parent ID #:		
Sampling Period:	78			
SETUP DAY				
		Timer Beginning Date/Time:	6/29/2012	2400
Date: 6/28/2012		Beginning Flow Rate (L/min):		
Time: 8:18		ump Programmed (Yes / No):		
	Bios Calibr	ation Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY		IDATE REV. WAT DA	200000000000	
		Timer Ending Date/Time:		2400
Date:	2	Ending Flow Rate (L/min):		
Time: 13:00		Total Sample Volume (L):	13 1/5	
		Total Sample Time (min):	7,000	
		Atmospheric Pressure (INS)		
	Tempe	erature inside station unit (°F)	7	
MENTS: (Please note	all photographs taken	, major storm events, vandalis	m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS; (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
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MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump
MENTS: (Please note	all photographs taken		m, and reason	for pump

				DAILY CHECK RECORDS	1A-20302
	Station Locat		ron Creek		
	Field Technic			Filter Lot #:	23171-01
	Pump Type/Mo Pump Numi			000	
DAIIV	CHECK (For e				
DAILT	CHECK (FORE		ch Initials)	PUMP FAULT (Yes / No):	6.0
	Date: G-09		n initials)	Flow Rate (L/min):	
	Time:	- (7)		Cumulative Sample Volume (L):	
	Time.	- 199	f 1		
	16.			Cumulative Sample Time (min): Atmospheric Pressure (INS)	
	W March	X.	Tra-	emperature inside station unit (°F):	and the state of t
483	AL Close	1	16	Battery voltage reading (volts):	
					All II Al
DAILV	CHECK (For e	ach station	vicit)	DOY Emp 7	10
DAILT	oncon (rore		ch Initials)	PUMP FAULT (Yes / No):	
	Date:	(rieid red	in initials)	Flow Rate (L/min);	
	Time:		,	Cumulative Sample Volume (L):	
	i iiile.		1.0	Cumulative Sample Time (min):	
				Atmospheric Process (INC)	
			То	Atmospheric Pressure (INS) emperature inside station unit (°F)	
			16	Battery voltage reading (volts)	
				battery voltage reading (volts)	
DAILY	CHECK (For e	ach station	visit)		
DAIL!	OTILOT (FOTE		ch Initials)	PLIMP FALLET (Ves / No):	
	Date:	(ricia res	1	PUMP FAULT (Yes / No):	
	Time:	- ;	1	Cumulative Sample Volume (L):	
	, m.c.	\tag{\chi}	(1)	Cumulative Sample Time (min).	
				Atmospheric Pressure (INS)	
			Te	emperature inside station unit (°F):	
				Battery voltage reading (volts):	
				battery voltage reading (volts).	-
DAILY	CHECK (For e	ach station	visit)		
			ch Initials)	PUMP FAULT (Yes / No):	
	Date:	(10.00 10.00	1	Flow Rate (I /min):	
	Time:	- ;	,	Cumulative Sample Volume (L):	
		C N	28.0	Cumulative Sample Time (min):	
				Atmospheric Pressure (INS)	
			Te	emperature inside station unit (°F):	
			177	Battery voltage reading (volts):	
				battery voltage reading (volta).	
DAILY	CHECK (For ea	ach station	visit)		
	NEANSES COMMERCES		ch Initials)	PUMP FAULT (Yes / No):	
	Date:	()	Flow Rate (L/min):	
	Time:)	Cumulative Sample Volume (L):	
	350 500	Δ	1.5	Cumulative Sample Time (min):	
				Atmospheric Pressure (INS)	
			Te	emperature inside station unit (°F)	
				Battery voltage reading (volts)	
				mark Transact rangerial (4 and)	

SN 36428

Date Printed: Friday, July 6, 2012 2:31 PM

Min Temp 61.2F Max Temp 109.4F TWA Temp 91.5F Min Pressure 27.0 In-Hg Max Pressure 27.7 In-Hg TWA Pressure 27.3 In-Hg

Flow Correction Approximately -50.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
 Drog (Hold)		Thu lun 20 2042 0:00 AM			
Prog (Hold) Sleep		Thu Jun 28 2012 9:00 AM Thu Jun 28 2012 9:05 AM			5:05 14:54:11
Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold Sleep	2000	Fri Jun 29 2012 12:00 AM Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 1:00 PM Fri Jul 6 2012 1:06 PM Fri Jul 6 2012 2:18 PM Fri Jul 6 2012 2:23 PM	14400	14400	5d 0:00:02 4:59 1d 23:54:59 4:58 12:55:37 5:45 1:12:01 4:57 6:25
Hold		Fri Jul 6 2012 2:29 PM			1:17+

	TE	TRA TECH EM INC.		
OU7 OUTDOO	OR AMBIENT	AIR - FIELD SAMPLE DATA S	TA-2	20363
Station Location:	T-24 (Jordan)	Sample ID #:	177-2	.0000
Field Technician:	ji .	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2	2000 Sample Type	TEM	
Pump Number:	36422	Sample Parent ID #:		
Sampling Period.	78			
PUMP SETUP DAY				
		Timer Beginning Date/Time:	6/29/2012	2400
Date: 6/28/2012		Beginning Flow Rate (L/min):	2	
Time: 8:19		Pump Programmed (Yes / No):	yes	
	Bios (Calibration Within 10 mL (Yes / No)	yes	
PUMP RETRIEVAL DAY				
		Timer Ending Date/Time:	7/4/2012	2400
Date:		Ending Flow Rate (L/min):	2	
Time: (A) 5/7)		Total Sample Volume (L):	3110	
		Total Sample Time (min)	78/00	
		Atmosperic Pressure (INS)	37.63	
	т	emperature inside station unit (°F):		
		ka L		
			10-11-11	
Event ID TAA-101810				
SIGNATURE:	-60	DATE:		

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5 ADDITIONAL DAILY CHECK RECORDS TA-20363

Station Location: T-24 (Jordan) Field Technician: jj	Sample ID #: Filter Lot #: 23171-01
Pump Type/Model SKC AirChek 2 Pump Number 36422	000
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No). //
Date: 6-29-12 (Tm96)	Flow Rate (L/min):
Time: /// ()	Cumulative Sample Volume (L): 1340
	Cumulative Sample Time (min): 6 7 0
	Atmospheric Pressure (INS) 2 7.52
To To To To	emperature inside station unit (F): 5 5 6
Partly Clandy	Battery voltage reading (volts): + 2.75
	BOX TOMP - lak
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts)
DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No)
Date: ()	Flow Rate (L/min):
Time:()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
_	Atmospheric Pressure (INS)
Te	emperature inside station unit (F):
	Battery voltage reading (volts):
DAILY CHECK (For each station visit)	DIMO FALLET WAS A VANCOUS
(Field Tech Initials)	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time:()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS
	emperature inside station unit (F):
Te	Battery voltage reading (volts):

SN 36422

Date Printed: Friday, July 6, 2012 2:33 PM

Min Temp 57.1F Max Temp 92.8F TWA Temp 74.9F Min Pressure 27.2 In-Hg Max Pressure 27.7 In-Hg

TWA Pressure 27.4 In-Hg

Flow Correction Approximately -40.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold)		Thu Jun 28 2012 9:01 AM			5:12
Sleep		Thu Jun 28 2012 9:06 AM			14:53:34
Prog (Run)	2000	Fri Jun 29 2012 12:00 AM	14400	14400	5d 0:00:01
Hold		Wed Jul 4 2012 12:00 AM			4:59
Sleep		Wed Jul 4 2012 12:05 AM			1d 23:55:00
Hold		Fri Jul 6 2012 12:00 AM			4:57
Sleep		Fri Jul 6 2012 12:04 AM			12:42:13
Hold		Fri Jul 6 2012 12:47 PM			5:44
Sleep		Fri Jul 6 2012 12:52 PM			1:25:38
Hold		Fri Jul 6 2012 2:18 PM			5:02
Sleep		Fri Jul 6 2012 2:23 PM			8:42
Hold		Fri Jul 6 2012 2:32 PM			0:43+

	TETRA TECH EM INC.	
OU7 OUTDOOR AMB	SIENT AIR - FIELD SAMPLE DATA S	TA-20364
		1A-20304
Station Location: Field Bl		
Field Technician: jj	Filter Lot #:	
Pump Type/Model:		
Pump Number:		
Sampling Period	78	
PUMP SETUP DAY	-	
B	Timer Beginning Date/Time:	
Date: 6/28/2012	Beginning Flow Rate (L/min):	
Time: 👩 🖇 🙎 🔾	Pump Programmed (Yes / No):	
	Bios Calibration Within 10 mL (Yes / No)	
PUMP RETRIEVAL DAY		
· · · · · · · · · · · · · · · · · · ·	Timer Ending Date/Time:	7/4/2012 2400
Date:	Ending Flow Rate (L/min):	
Time: ——	Total Sample Volume (L):	
	Total Sample Time (min):	
	Atmospheric Pressure (INS)	
•	Temperature inside station unit (°F):	
Event ID TAA-101810		
SIGNATURE:	DATE: 6 - 2 8-	/ 2



	T ET	TE	TRA TECH EM INC.	THE STREET
OU7 OUTE			AIR - FIELD SAMPLE DATA SHEE	T (FSDS)
			L DAILY CHECK RECORDS	
Station Location	artisotic mentions.	llank	Sample ID # TA	•
Field Techniciar	39.		Filter Lot #:	
Pump Type/Mode				
Pump Number		-:10		
DAILY CHECK (For each s			DUMP FAULT (Yes / No)	
Date:	(Field Le	ch Initials)	PUMP FAULT (Yes / No): Flow Rate (L/min):	
Time:	_ (,	Cumulative Sample Volume (L):	
Time.	- '	Ε.	197 4 1 18 19 19 19 19 19 19 19 19 19 19 19 19 19	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS) Lemperature inside station unit ("F):	
			Battery voltage reading (volts):	
			Dattery voltage reading (volta).	
DAILY CHECK (For each s	tation vi	eit\		
DAILT GILOK (FOI Cach's		ch Initials)	PUMP FAULT (Yes / No):	
Date:	() lold Te)	Flow Rate (L/min):	
Time:	- ?	í	Cumulative Sample Volume (L):	:
	- N	6	Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			l'emperature inside station unit (°F):	
			Battery voltage reading (volts):	
DAILY CHECK (For each s	tation vi	sit)		
		ch Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	12
Time:	- ()	Cumulative Sample Volume (L):	
-	-3 ()	5.	Cumulative Sample Time (min):	
			Atmosperice Pressure (INS)	
			l'emperature inside station unit (°F):	
			Battery voltage reading (volts):	
DAILY CHECK (For each s	tation vi	sit)		
	(Field Te	ch Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
	_		Cumulative Sample Time (min):	
			Atmosherice Pressure(INS)	
			Temperature inside station unit ("F):	
			Battery voltage reading (volts):	
DAILY CHECK (For each s		(3)		
20000000	(Field Te	ch Initials)	PUMP FAULT (Yes / No):	
Date:	_ ()	Flow Rate (L/min):	
Time:	(Y	Cumulative Sample Volume (L):	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			emperature inside station unit ("F):	
			Battery voltage reading (volts):	

Station Location	n: Field Blank	Sample ID #:		-203
Field Technicia	n: TM	Filter Lot #:	23171-01	
Pump Type/Mode	ık.	Sample Type:	TEM	-
Pump Numbe		Sample Parent ID #:		
Sampling Perio	d 79			
IP SETUP DAY				
		Timer Beginning Date/Time:	THE PROPERTY OF STREET	2400
Date: 7/9/201	2	Beginning Flow Rate (L/min):		
Time:		Pump Programmed (Yes / No):		
	E	lios Calibration Within 10 mL (Yes / No)		
IP RETRIEVAL DAY				
		Timer Ending Date/Time:	7/14/2012	2400
Date:	_	Ending Flow Rate (L/min):	2	
Time:	_	Total Sample Volume (L):		
		Total Sample Time (min):		
		그 경기에 자신하면 하나 아이를 가지 않는 그 중 하는데 되었다.		
MENTS: (Please note	all photographs ta	Atmospheric Pressure (INS) Temperature inside station unit (°F):		nn fault)
MMENTS: (Please note	all photographs ta			np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
//MENTS : (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)
MMENTS: (Please note	all photographs ta	Temperature inside station unit (°F):		np fault)

Station Location: Field Technician:	T-21 (Fire Station)	Sample ID #: Filter Lot #:	TA-	-203
	SKC AirChek 2000	Sample Type:	-	
Pump Number:		Sample Parent ID #:		
Sampling Period:				_
SETUP DAY				
		Timer Beginning Date/Time:	7/10/2012	2400
Date: 7/9/2012		Beginning Flow Rate (L/min):	A THE RESERVE THE PROPERTY OF THE PARTY OF T	1300
Time: 12 00		Pump Programmed (Yes / No):	yes	
——————————————————————————————————————	Bios Ca	alibration Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY				
		Timer Ending Date/Time:	7/14/2012	2400
Date: 7/15/3		Ending Flow Rate (L/min):	2	
Time:		Total Sample Volume (L):	SFIA	
		Total Sample Time (min):	7200	
		Atmospheric Pressure (INS)	2737	
MENTS: (Please note a			87.77 77 G	np fault)
MENTS: (Please note a		Atmospheric Pressure (INS) mperature inside station unit (°F):	87.77 77 G	np fault)
MENTS: (Please note a		Atmospheric Pressure (INS) mperature inside station unit (°F):	87.77 77 G	np fault)
MENTS: (Please note a		Atmospheric Pressure (INS) mperature inside station unit (°F):	87.77 77 G	np fault)

Station Location: T-21 (Fire Station	n) Sample ID #:	TA-
Field Technician: jj	Filter Lot #:	23171-01
Pump Type/Model: SKC AirChek 20	00	
Pump Number: 36484		
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	70
Date: 7/15 (Tm)	Flow Rate (L/min):	CALCULATION OF THE PROPERTY OF
Time: ()	Cumulative Sample Volume (L):	
1 <u>1</u>	Cumulative Sample Time (min):	193
	Atmospheric Pressure (INS)	-274
NOUN	emperature inside station unit ("F):	
	Battery voltage reading (volts):	10 Yulk 100H
		Tal. Fin
DAILY CHECK (For each station visit)	66y 74/9/3 10	
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: 7 (1) (7 (Tro.)	Flow Rate (L/min):	_00
Time: Q C' ()	Cumulative Sample Volume (L):	
Time		
	Cumulative Sample Time (min):	
FARCE	Atmospheric Pressure (INS) remperature inside station unit (**):	
	Battery voltage reading (volts):	4 /- /-
	Ballery voltage reading (volts).	19-64
DAIL V CHECK /For each station with	DOI TOP YO	
DAILY CHECK (For each station visit)	DUMP FAULT (No. (No.)	
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: 7/15 (fine)	Flow Rate (L/min):	-06
Time: ()	Cumulative Sample Volume (L):	
	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
MUNICIPAL	Temperature inside station unit ("F):	
1 2	Battery voltage reading (volts):	10 43
	700 to 3	0
DAILY CHECK (For each station visit)	Security of the Control of the Contr	
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time: ()	Cumulative Sample Volume (L):	
	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	1
	remperature inside station unit ("F):	
	Battery voltage reading (volts):	
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min).	
Time: ()	Cumulative Sample Volume (L):	
; 	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
	Temperature inside station unit ("+):	
	Battery voltage reading (volts):	

Date Printed: Tuesday, July 17, 2012 8:27 AM

Min Temp 73.8F Max Temp 116.1F TWA Temp 96.3F Min Pressure 27.7 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.8 In-Hg

Flow Correction Approximately -10.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold) Sleep Prog (Run)	2000	Thu Jun 28 2012 8:55 AM Thu Jun 28 2012 9:00 AM Fri Jun 29 2012 12:00 AM	14400	14400	5:45 14:59:03 5d 0:00:02
Hold Sleep Hold Sleep		Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM Fri Jul 6 2012 12:00 AM Fri Jul 6 2012 12:04 AM			4:59 1d 23:54:59 4:58 13:11:47
Hold		Fri Jul 6 2012 1:16 PM			5:20
Sleep Hold		Fri Jul 6 2012 1:22 PM Fri Jul 6 2012 2:17 PM			55:23 12:20
Sleep		Fri Jul 6 2012 2:17 PM			2d 19:54:31
Hold		Mon Jul 9 2012 10:24 AM			1:51
Flow Hold	2000	Mon Jul 9 2012 10:26 AM Mon Jul 9 2012 10:27 AM	2.100	14402	1:03 2:27
Flow Hold	2000	Mon Jul 9 2012 10:27 AM Mon Jul 9 2012 10:29 AM Mon Jul 9 2012 10:31 AM	2.933	14405	1:28 6:37
Flow Prog (Hold) Sleep	2000	Mon Jul 9 2012 10:37 AM Mon Jul 9 2012 10:42 AM Mon Jul 9 2012 10:47 AM	8.600	14414	4:18 5:05 13:12:52
Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold	2000	Tue Jul 10 2012 12:00 AM Sun Jul 15 2012 12:00 AM Sun Jul 15 2012 12:05 AM Mon Jul 16 2012 11:25 AM Mon Jul 16 2012 11:30 AM Tue Jul 17 2012 12:00 AM Tue Jul 17 2012 12:04 AM Tue Jul 17 2012 8:21 AM	14400	28814	5d 0:00:02 4:59 1d 11:20:23 5:26 12:29:10 4:58 8:16:30 5:32+

Station Location:	T-22 (Troy Office)	Sample ID #	TA-	-203
	SKC AirChek 2000	Filter Lot #: Sample Type:	-	
Pump Number:		Sample Parent ID #:		
Sampling Period:		Cample raidit ib #.		
SETUP DAY	STATE I			
		Timer Beginning Date/Time:	7/10/2012	2400
Date: 7/9/2012		Beginning Flow Rate (L/min):	CALCUSCO CHESTORY	
Time: 12:00		Pump Programmed (Yes / No):	yes	
	Bios Ca	libration Within 10 mL (Yes / No)	yes	
RETRIEVAL DAY		_		
		Timer Ending Date/Time:	7/14/2012	2400
Date: 7/16/15		Ending Flow Rate (L/min):		
Time:		Total Sample Volume (L):	35/2	
THE PERSON	•			
114 O x	•	Total Sample Time (min):	7,700	
100	To	Total Sample Time (min): Atmospheric Pressure (INS)	7700 77.71	
		Total Sample Time (min):	7200 27 71 71.8	np fault)
		Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	7200 27 71 71.8	np fault)
		Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	7200 27 71 71.8	np fault)
		Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	7200 27 71 71.8	np fault)
		Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	7200 27 71 71.8	np fault)
		Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	7200 27 71 71.8	np fault)

OU7 OL	TDOOR AMBIENT	TRA TECH EM INC. AIR - FIELD SAMPLE DATA SH IL DAILY CHECK RECORDS	IEET (FSDS)
Field Techni Pump Type/M Pump Nun	ation: T-22 (Troy Office cian:]j odel: SKC AirChek 200 nber: 36444	Sample ID #: Filter Lot #:	
DAILY CHECK (For each	(Field Tech Initials)	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit ("F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)	10.5 27.7 20.5 10.27
DAILY CHECK (For each	ch station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit ("F): Battery voltage reading (volts):	12 51
DAILY CHECK (For each	ch station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (*F): Battery voltage reading (volts):	
DAILY CHECK (For each	ch station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit ("F): Battery voltage reading (volts):	

SN 36444

Date Printed: Tuesday, July 17, 2012 8:32 AM

Min Temp 70.4F Max Temp 111.4F TWA Temp 91.0F Min Pressure 27.8 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.9 In-Hg

Flow Correction Approximately +40.0 ml/min

		_	Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold) Sleep Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold Sleep	2000	Thu Jun 28 2012 9:00 AM Thu Jun 28 2012 9:05 AM Fri Jun 29 2012 12:00 AM Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 1:33 PM Fri Jul 6 2012 1:38 PM Fri Jul 6 2012 2:18 PM Fri Jul 6 2012 2:23 PM	14400	14400	5:09 14:54:44 5d 0:00:02 4:59 1d 23:54:59 4:58 13:28:39 5:18 39:16 4:58 2:12
Hold Sleep		Fri Jul 6 2012 2:25 PM Fri Jul 6 2012 2:34 PM			8:49 2d 19:52:51
Hold		Mon Jul 9 2012 10:27 AM			0:06
Flow Hold	2000	Mon Jul 9 2012 10:27 AM Mon Jul 9 2012 10:33 AM	12.37	14412	6:11 3:45
Flow Hold	2000	Mon Jul 9 2012 10:37 AM Mon Jul 9 2012 10:37 AM	0.333	14413	0:10 4:58
Flow Prog (Hold) Sleep Prog (Run)	2000	Mon Jul 9 2012 10:42 AM Mon Jul 9 2012 10:43 AM Mon Jul 9 2012 10:48 AM Tue Jul 10 2012 12:00 AM	1.900 14400	14415 28815	0:57 5:04 13:11:49 5d 0:00:01
Hold Sleep Hold Sleep Hold Sleep Hold		Sun Jul 15 2012 12:00 AM Sun Jul 15 2012 12:05 AM Mon Jul 16 2012 12:03 PM Mon Jul 16 2012 12:08 PM Tue Jul 17 2012 12:00 AM Tue Jul 17 2012 12:04 AM Tue Jul 17 2012 8:30 AM			4:59 1d 11:58:33 5:25 11:51:01 4:58 8:25:32 1:30+

Timer Beginning Date/Time: 7/10/2012 2400 Date: 7/9/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes MP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date: Ending Flow Rate (L/min): 2 Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Station Location	T-23 (Iron Creek)	Sample ID #:		203
Pump Number: 36428 Sample Parent ID #: Sampling Period: 79 JMP SETUP DAY Timer Beginning Date/Time: 7/10/2012 2400 Date: 7/9/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes JMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date: 7/14/201	Field Technician	TM	Filter Lot #:	23171-01	
Sampling Period: 79 JMP SETUP DAY Timer Beginning Date/Time: 7/10/2012 2400 Date: 7/9/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes JMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date: Ending Flow Rate (L/min): 2 Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): 2 DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Pump Type/Model	SKC AirChek 2000	Sample Type:	TEM	
Date: 7/9/2012 Beginning Date/Time: 7/10/2012 2400 Pump Programmed (Yes / No): Yes Bios Calibration Within 10 mL (Yes / No) Yes DATE: 7/9/2012 Time: 12:00 Pump Programmed (Yes / No): Yes Bios Calibration Within 10 mL (Yes / No) Yes DATE: 7/14/2012 2400 Date: 7/14/2012 2400 Date: 7/14/2012 2400 Date: 7/14/2012 2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): Total Sample Volume (INS) Atmospheric Pressure (INS) Temperature inside station unit (°F): 2 DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Pump Number	36428	Sample Parent ID #:		
Date: 7/9/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date: Ending Flow Rate (L/min): 2 Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Sampling Period	79			
Date: 7/9/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes JMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date:	MP SETUP DAY				
Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes UMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature Inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)			Timer Beginning Date/Time:	7/10/2012	2400
DAMP RETRIEVAL DAY Timer Ending Date/Time: 7/14/2012 2400 Date: Ending Flow Rate (L/min): 2 Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): Temperature inside station unit (°F): DAMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	STARRY CONSTRUCTS	_	Beginning Flow Rate (L/min):	2	
Date: Time: Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Time: 12:00	_	Pump Programmed (Yes / No):	yes	
Date: Timer Ending Date/Time: 7/14/2012 2400		Bios Ca	libration Within 10 mL (Yes / No)	yes	
Date: Time: Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	MP RETRIEVAL DAY				
Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	+		Timer Ending Date/Time:	7/14/2012	2400
Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Date: 7////		Ending Flow Rate (L/min):	2	
Atmospheric Pressure (INS) Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	Time:	-	Total Sample Volume (L):		
Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	-	-	Total Comple Time (min)		
Temperature inside station unit (°F): DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)			Total Sample Time (min).		
DMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)	100				
			Atmospheric Pressure (INS) mperature inside station unit (°F)	3760 616	np fault)
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	
	MMENTS: (Please note a	ill photographs taken, m	Atmospheric Pressure (INS) mperature inside station unit (°F) major storm events, vandalism, an	d reason for pur	

Field Techniciar Pump Type/Mode Pump Numbe	SKC AirChek 200 36428	Sample ID # Filter Lot #	
Date: 7/19/12 Time: 7/19/12	(Field Tech Initials) (()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Lemperature inside station unit ("F): Battery voltage reading (volts):	
Date: Time:	station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Lemperature inside station unit ("F): Battery voltage reading (volts):	1.5
DAILY CHECK (For each s	station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS): i emperature inside station unit (*F): Battery voltage reading (volts):	
DAILY CHECK (For each s Date: Time:	station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No). Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit (*F): Battery voltage reading (volts):	
DAILY CHECK (For each s Date: Time:	station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Lemperature inside station unit (*+): Battery voltage reading (volts):	

SN 36428

Date Printed: Tuesday, July 17, 2012 8:34 AM

Min Temp N/A Max Temp N/A TWA N/A Min Pressure N/A Max Pressure N/A

Max Pressure N/A TWA Pressure N/A

Flow Correction Approximately -50.0 ml/min

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Flow	2000	Tue Jul 10 2012 9:47 AM	0.067	0.067	0:02
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.000	0.067	
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.100	0:01
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.133	0:01
Reset		Tue Jul 10 2012 9:48 AM			
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.166	0:01
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.199	0:01
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.232	0:01
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.000	0.232	
Reset		Tue Jul 10 2012 9:48 AM			0:01
Flow	2000	Tue Jul 10 2012 9:48 AM	0.033	0.265	0:01
Reset		Tue Jul 10 2012 9:48 AM			0:03
Hold		Tue Jul 10 2012 9:48 AM			4:57
Sleep		Tue Jul 10 2012 9:53 AM			1d 0:01:04
Hold		Wed Jul 11 2012 9:54 AM			0:02
Flow	2000	Wed Jul 11 2012 9:54 AM	0.467	0.732	0:14
Low Bat		Wed Jul 11 2012 9:54 AM			0:10
Sleep		Wed Jul 11 2012 9:54 AM			0:02
Hold		Wed Jul 11 2012 9:54 AM			0:08
Flow	2000	Wed Jul 11 2012 9:54 AM	1.233	1.965	0:37
Reset		Wed Jul 11 2012 9:55 AM			0:01
Flow	2000	Wed Jul 11 2012 9:55 AM	0.033	1.998	0:01
Reset		Wed Jul 11 2012 9:55 AM			0:01
Flow	2000	Wed Jul 11 2012 9:55 AM	0.033	2.031	0:01
Reset		Wed Jul 11 2012 9:55 AM			0:01
Flow	2000	Wed Jul 11 2012 9:55 AM	0.000	2.031	
Reset		Wed Jul 11 2012 9:55 AM			0:01
Flow	2000	Wed Jul 11 2012 9:55 AM	0.067	2.098	0:02
Reset		Wed Jul 11 2012 9:55 AM			0:03
Hold		Wed Jul 11 2012 9:55 AM			4:57
Sleep		Wed Jul 11 2012 10:00 AM			5d 1:39:09
Hold		Mon Jul 16 2012 11:39 AM			5:40
Sleep		Mon Jul 16 2012 11:45 AM			20:47:05
Hold		Tue Jul 17 2012 8:32 AM			1:28+

Station Location	T-23QC(IronCreek)	Sample ID #:		\-203
Field Technician:	TM	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2000	Sample Type:		
Pump Number:	36442	Sample Parent ID #:		A-20
Sampling Period:	79			
ETUP DAY				1270000
Date: 7/9/2012		Timer Beginning Date/Time: Beginning Flow Rate (L/min):		2400
Time: 12:00		Pump Programmed (Yes / No):		yes
12.00	_	libration Within 10 mL (Yes / No)		yes
RETRIEVAL DAY				
		Timer Ending Date/Time:	7/14/2012	2400
Date: ¬//s//2		Ending Flow Rate (L/min):	2	
AND DESCRIPTION OF THE PARTY OF	-	Total Cample Values (IV)		
Time:		Total Sample Volume (L):		
Time: 11546		Total Sample Time (min):		
NTS: (Please note a			1705 27.45 75.7	oump fault)
:NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	ump fault)
:NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F):	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): ajor storm events, vandalism, an	27. 45 75. I	oump fault)
NTS: (Please note a	ll photographs taken, m	Total Sample Time (min): Atmospheric Pressure (INS) nperature inside station unit (°F): najor storm events, vandalism, an	27. 45 75. I	bump fault)

Field Technician	SKC AirChek 200 r: 36442 station visit)	Filter Lot #:	23171-01
- T 1	(Field Tech Initials)	PUMP FAULT (Yes / No):	no
Date: 7/10/11	(gfor)	Flow Rate (L/min):	
Time:	_ ()	Cumulative Sample Volume (L):	1044
		Cumulative Sample Time (min):	500
1.2		Atmospheric Pressure (INS)	27.51/
Survey portly &	Jerashku	l'emperature inside station unit ("F):	7/. 2
		Battery voltage reading (volts):	167.70
DAILY CHECK (For each s	etation vicit\	00. 2m2 ld_	
DAIL! CILCIN (I OI Each's	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	1562
Time: 5 5	- 7 7	Cumulative Sample Volume (L):	DIACON.
1 24	_ // //	Cumulative Sample Time (min):	201
4		Atmospheric Pressure (INS)	73 S. Llos
Synau		l'emperature inside station unit (°F):	350
		Battery voltage reading (volts):	10 70
DAILY CHECK (For each s	(Field Tech Initials) (PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit (*F): Battery voltage reading (volts): PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS)	
DAILY CHECK (For each s Date: Time:	station visit) (Field Tech Initials) () ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Time (min): Atmospheric Pressure (INS)	
		Temperature inside station unit (°F): Battery voltage reading (volts):	

SN 36381

Date Printed: Tuesday, July 17, 2012 8:39 AM

Min Temp 73.5F
Max Temp 106.7F
TWA Temp 89.3F
Min Pressure 27.4 In-Hg
Max Pressure 27.7 In-Hg
TWA Pressure 27.5 In-Hg
No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Prog (Hold) Sleep Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold	2000	Thu Jun 28 2012 8:59 AM Thu Jun 28 2012 9:04 AM Fri Jun 29 2012 12:00 AM Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 12:04 AM Fri Jul 6 2012 1:40 PM Fri Jul 6 2012 1:45 PM Fri Jul 6 2012 2:18 PM Fri Jul 6 2012 2:23 PM Fri Jul 6 2012 2:33 PM	14400	14400	5:03 14:55:35 5d 0:00:02 4:59 1d 23:54:59 4:58 13:35:24 5:21 32:50 4:58 9:50 6:14
Sleep		Fri Jul 6 2012 2:39 PM			2d 19:47:39
Hold Flow Hold	2000	Mon Jul 9 2012 10:27 AM Mon Jul 9 2012 10:27 AM Mon Jul 9 2012 10:33 AM	11.60	14412	0:04 5:48 2:15
Flow Flow Adjust	2000	Mon Jul 9 2012 10:35 AM Mon Jul 9 2012 10:35 AM	0.333	14412	0:10 1:09
Flow Hold Sleep Hold	2030	Mon Jul 9 2012 10:36 AM Mon Jul 9 2012 10:36 AM Mon Jul 9 2012 10:41 AM Mon Jul 9 2012 10:44 AM	0.068	14412	0:02 4:59 2:27 0:08
Flow Prog (Hold) Sleep	2030	Mon Jul 9 2012 10:44 AM Mon Jul 9 2012 10:44 AM Mon Jul 9 2012 10:49 AM	0.203	14412	0:06 5:04 13:10:34
Prog (Run) Low Bat Sleep Prog (Hold)	2000	Tue Jul 10 2012 12:00 AM Fri Jul 13 2012 12:16 AM Fri Jul 13 2012 12:16 AM Fri Jul 13 2012 10:35 AM	8673	23085	3d 0:16:32 0:09 10:19:08 0:01
Prog (Run) Low Bat Sleep Hold Sleep Hold Sleep Hold	2000	Fri Jul 13 2012 10:35 AM Fri Jul 13 2012 4:45 PM Fri Jul 13 2012 4:45 PM Mon Jul 16 2012 11:40 AM Mon Jul 16 2012 11:46 AM Tue Jul 17 2012 12:00 AM Tue Jul 17 2012 12:04 AM Tue Jul 17 2012 8:37 AM	738.6	23824	6:09:19 0:10 2d 18:55:08 5:40 12:13:54 4:57 8:32:36 1:26+

Station Locati Field Technici	on: T-24 (Jor ean: TM	dan)	Sample ID Filter Lot		A-20
Pump Type/Mod		hek 2000	Sample Type	5 A	
Pump Numb			Sample Parent ID	#:	
Sampling Peri	od:	79			
SETUP DAY				7.	
Date: 7/9/20	112		Timer Beginning Date/Tim Beginning Flow Rate (L/mir	The part of the first	25010000
	:00		Pump Programmed (Yes / No		
Time. 12	.00	Bios Ca	libration Within 10 mL (Yes / N	7V,	
		5.05 00	indication viviant to the (1007).		
RETRIEVAL DAY					
			Timer Ending Date/Tim	e: 7/14/2012	2400
Date:			Ending Flow Rate (L/mir). 2	2
Time: 11:50			Total Sample Volume (L): afto	
			Total Sample Time (mir	1200	
				and the second second	
10U			Atmosperic Pressure (IN		
ENTS: (Please not	e all photogra		Atmosperic Pressure (IN: mperature inside station unit (°F major storm events, vandalism, a): 72.17	pump fault)
ENTS: (Please not	e all photogra		mperature inside station unit (°F): 72.17	pump fault)
ENTS: (Please not	e all photogra		mperature inside station unit (°F): 72.17	pump fault)
ENTS: (Please not	e all photogra		mperature inside station unit (°F): 72.17	pump fault)

	Sample ID #:	IA
Field Technician:]]	Filter Lot #	
Pump Type/Model: SKC AirChek 20	000	
Pump Number: 36422	- 1400 10	
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	0.00
Date: 7/10/17 (17m)	Flow Rate (L/min):	1.17.1
Time: Sicol ()	Cumulative Sample Volume (L):	
	Cumulative Sample Time (min):	ESSENT:
	Atmospheric Pressure (INS)	1794 T.
Sunay sort that	l'emperature inside station unit ("F):	
-301111 FE - 31-37E	Battery voltage reading (volts):	
	ballery relating (relating	137 100
DAIL V CHECK (For each station visit)		
DAILY CHECK (For each station visit) (Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()		
	Flow Rate (L/min):	The second second
Time: 10 20= ()	Cumulative Sample Volume (L):	
	Cumulative Sample Time (min):	L. Traff
9 V	Atmospheric Pressure (INS)	1
SUNAY	emperature inside station unit ("F):	
,	Battery voltage reading (volts)	19 34
	DOV Exas 65	
DAILY CHECK (For each station visit)		
(Field Tech Initials)		1
Date: 1 ()	Flow Rate (L/min):	7_
Time: ()	Cumulative Sample Volume (L):	7530
: 	Cumulative Sample Time (min):	1/ACE
	Atmospheric pressure (INS):	707.50
- Trians	I emperature inside station unit ("F):	77 5
1/	Battery voltage reading (volts):	10 55
	France 76	13.8
DAILY CHECK (For each station visit)	7	
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time: ()	Cumulative Sample Volume (L):	
SANDER STATE OF STATE	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
	Temperature inside station unit ("F):	-
	Battery voltage reading (volts)	
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time:	Cumulative Sample Volume (L):	
, , , , , , , , , , , , , , , , , , ,	맛있게 되었다 이번 보면 그 없는 결국하다 이 기계하다 그 아래 되었다.	
	Cumulative Sample Time (min):	
	1. (2) (2) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
	Atmospheric Pressure (INS	
	Atmospheric Pressure (INS l'emperature inside station unit ("+) Battery voltage reading (volts)	

SN 36422

Date Printed: Tuesday, July 17, 2012 8:37 AM

Min Temp 68.8F
Max Temp 106.5F
TWA Temp 84.5F
Min Pressure 27.4 In-Hg
Max Pressure 27.7 In-Hg
TWA Pressure 27.6 In-Hg
No Flow Correction

			Volume	Accum	.
Mode	Value	Start	Liters	Volume 	Duration
Hold		Fri Jul 6 2012 12:47 PM			5:44
Sleep		Fri Jul 6 2012 12:52 PM			1:25:38
Hold		Fri Jul 6 2012 2:18 PM			5:02
Sleep		Fri Jul 6 2012 2:23 PM			8:42
Hold		Fri Jul 6 2012 2:32 PM			6:08
Sleep		Fri Jul 6 2012 2:38 PM			2d 19:47:57
Hold		Mon Jul 9 2012 10:26 AM			0:02
Flow	2000	Mon Jul 9 2012 10:26 AM	0.133	0.133	0:04
Hold		Mon Jul 9 2012 10:26 AM			0:03
Flow	2000	Mon Jul 9 2012 10:26 AM	0.933	1.066	0:28
Hold		Mon Jul 9 2012 10:26 AM			0:05
Flow	2000	Mon Jul 9 2012 10:27 AM	0.167	1.233	0:05
Hold		Mon Jul 9 2012 10:27 AM			0:08
Flow	2000	Mon Jul 9 2012 10:27 AM	11.70	12.93	5:51
Hold		Mon Jul 9 2012 10:33 AM		40.0=	0:01
Flow	2000	Mon Jul 9 2012 10:33 AM	0.333	13.27	0:10
Hold	0000	Mon Jul 9 2012 10:33 AM	0.000	44.07	0:01
Flow	2000	Mon Jul 9 2012 10:33 AM	0.800	14.07	0:24
Hold Flow	2000	Mon Jul 9 2012 10:33 AM Mon Jul 9 2012 10:33 AM	0.133	14.20	0:03 0:04
Hold	2000	Mon Jul 9 2012 10:33 AM	0.133	14.20	0:04
Flow	2000	Mon Jul 9 2012 10:33 AM	0.133	14.33	0:04
Hold	2000	Mon Jul 9 2012 10:34 AM	0.133	14.55	0:05
Flow	2000	Mon Jul 9 2012 10:34 AM	0.100	14.43	0:03
Flow Adjust	2000	Mon Jul 9 2012 10:34 AM	0.100	1 1. 10	1:06
Flow Adjust		Mon Jul 9 2012 10:35 AM			0:09
Hold		Mon Jul 9 2012 10:35 AM			4:59
Sleep		Mon Jul 9 2012 10:40 AM			3:38
Hold		Mon Jul 9 2012 10:44 AM			0:01
Flow	2010	Mon Jul 9 2012 10:44 AM	0.234	14.67	0:07
Prog (Hold)		Mon Jul 9 2012 10:44 AM			5:03
Sleep		Mon Jul 9 2012 10:49 AM			13:10:48
Prog (Run)	2000	Tue Jul 10 2012 12:00 AM	14400	14415	5d 0:00:02
Hold		Sun Jul 15 2012 12:00 AM			4:59
Sleep		Sun Jul 15 2012 12:05 AM			1d 11:45:06
Hold		Mon Jul 16 2012 11:50 AM			5:29
Sleep		Mon Jul 16 2012 11:55 AM			12:04:24
Hold		Tue Jul 17 2012 12:00 AM			4:58
Sleep		Tue Jul 17 2012 12:04 AM			8:30:49
Hold		Tue Jul 17 2012 8:35 AM			1:13+



Station Location	Field Blank	Sample ID #:		203
Field Technician		Filter Lot #:		
Pump Type/Model:		Sample Type:		
Pump Number:		Sample Parent ID #:		-
Sampling Period				_
SETUP DAY				
		Timer Beginning Date/Time:	7/19/2012	2400
Date: 7/18/2012		Beginning Flow Rate (L/min):	THE PROPERTY OF THE PROPERTY O	700000
Time:	-	Pump Programmed (Yes / No):		
	Bi	os Calibration Within 10 mL (Yes / No)		
RETRIEVAL DAY				
		Timer Ending Date/Time:	7/23/2012	2400
Date:		Ending Flow Rate (L/min):	2	
Time:	-	Total Sample Volume (L):		
-		Total Sample Time (min):		
		Total Sample Time (min): Atmospheric Pressure (INS)		
//ENTS: (Please note a	ll photographs tak			p fault)
MENTS: (Please note a	ll photographs tak	Atmospheric Pressure (INS) Temperature inside station unit (°F):		p fault)
MENTS: (Please note a	ll photographs tak	Atmospheric Pressure (INS) Temperature inside station unit (°F):		p fault)
MENTS: (Please note a	ll photographs tak	Atmospheric Pressure (INS) Temperature inside station unit (°F):		p fault)

TETRA TECH EM INC. **OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)** ADDITIONAL DAILY CHECK RECORDS Station Location: Field Blank Sample ID #. TA-Field Technician: TM Filter Lot #: Pump Type/Model: Pump Number: DAILY CHECK (For each station visit) PUMP FAULT (Yes / No): (Field Tech Initials) Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) Lemperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min) Atmospheric Pressure (INS) l'emperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min) Time: Cumulative Sample Volume (L): Cumulative Sample Time (min) Atmosperice Pressure (INS) l emperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L)min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min) Atmosherice Pressure(INS) l'emperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L) Cumulative Sample Time (min): Atmospheric Pressure (INS) Lemperature inside station unit ("F)

Battery voltage reading (volts):

Field Technician: TM Filter Lot #: 23171-01 Pump Type/Model: SKC AirChek 2000 Sample Type: TEM Pump Number: 36484 Sample Parent ID #: Sampling Period: 80 MP SETUP DAY Timer Beginning Date/Time: 7/19/2012 2400 Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes MP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Date: 7/24/12 Ending Flow Rate (L/min): 2 Time: 21 Total Sample Volume (L): 7/24/20 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.20	Station Location:	T-21 (Fire Station)	Sample ID #:		-20
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM Pump Number: 36484 Sample Parent ID #: Sampling Period: 80 WP SETUP DAY Timer Beginning Date/Time: 7/19/2012 2400 Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes WP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Date: 7/21/2 Ending Flow Rate (L/min): 2 Time: 0:01 Total Sample Volume (L): 01/2 Total Sample Time (min): 2 Total Sample Time (min): 7/23/2012 Atmospheric Pressure (INS) 7.95 Temperature inside station unit (°F): 73.2					
Pump Number: 36484 Sample Parent ID #: Sampling Period: 80 MP SETUP DAY Timer Beginning Date/Time: 7/19/2012 2400 Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes MP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Date: 7/21/2 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 01/2 Total Sample Time (min): 2 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2	V. 2000 CONT. 1000				
Sampling Period: 80 MP SETUP DAY Timer Beginning Date/Time: 7/19/2012 2400 Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes MP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): Of Lo Total Sample Time (min): 2 Atmospheric Pressure (INS) 22.95 Temperature inside station unit (°F): 73.2		-		TOTAL STATE OF THE	
Timer Beginning Date/Time: 7/19/2012 2400 Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes WP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): Of Lo Total Sample Time (min): 2 Total Sample Time (min): 2 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2		282,3800			
Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes WP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 01/2 Total Sample Time (min): 2 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2		55.50			
Date: 7/18/2012 Beginning Flow Rate (L/min): 2 Time: 12:00 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes WP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 01/2 Total Sample Time (min): 2 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2			Timer Beginning Date/Time:	7/19/2012	2400
Bios Calibration Within 10 mL (Yes / No) WP RETRIEVAL DAY Timer Ending Date/Time: 7/23/2012 2400 Ending Flow Rate (L/min): 2 Total Sample Volume (L): 0flo Total Sample Time (min): 2 Atmospheric Pressure (INS) 2.95 Temperature inside station unit (°F): 73.2	Date: 7/18/2012			11.000100000000000000000000000000000000	
Timer Ending Date/Time: 7/23/2012 2400 Date: 7/24/12 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 0fLo Total Sample Time (min): 2 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2	Time: 12:00		Pump Programmed (Yes / No):	yes	
Timer Ending Date/Time: 7/23/2012 2400 Date: 7/21/12 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 0flo Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2		Bios Ca	alibration Within 10 mL (Yes / No)	yes	
Date: 7/91/12 Ending Flow Rate (L/min): 2 Time: 10:21 Total Sample Volume (L): 0flo Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2	IP RETRIEVAL DAY				
Time: 10:21 Total Sample Volume (L): 010 Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2	- 1 ×		Timer Ending Date/Time:	7/23/2012	2400
Total Sample Time (min): 7200 Atmospheric Pressure (INS) 27.95 Temperature inside station unit (°F): 73.2	Date: 7/24/12	_	Ending Flow Rate (L/min):	2	
Temperature inside station unit (°F): 73.2	Time: 10:21	-	Total Sample Volume (L):	OfLo	
Temperature inside station unit (°F): 73.2	Some mill	0 1	Total Sample Time (min):	7200	
Temperature inside station unit (°F): 73.2	- LETTE				
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	ip fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	p fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	p fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	np fault)
		Те	mperature inside station unit (°F):	73.2	p fault)
		Те	mperature inside station unit (°F):	73.2	np fault)

Station Locat	ion: T-21 (Fire Statio	n) Sample ID #:	TA-
Field Technic	ian: TM	Filter Lot #:	23171-01
Pump Type/Mo	del: SKC AirChek 20	00	
Pump Num	ber: 36484		
DAILY CHECK (For eac	h station visit)		
- 7 1	(Field Tech Initials)	PUMP FAULT (Yes / No):	no
Date: 7/19/17	(Tm)	Flow Rate (L/min);	a
Time: 7:51	()	Cumulative Sample Volume (L):	loca!
		Cumulative Sample Time (min):	532
		Atmospheric Pressure (INS)	27.77
E 100 I		Temperature inside station unit ("F):	83.2
Sund		Battery voltage reading (volts):	12.70
		box temo: G9	101-10
AILY CHECK (For eac	h station visit)	0	
Y Y	(Field Tech Initials)	PUMP FAULT (Yes / No):	00
Date: 7/03/11	(In)	Flow Rate (L/min):	2
Time: 11:05	_ ()	Cumulative Sample Volume (L):	000
11.03		Cumulative Sample Time (min):	GUINE
The	V 190	Atmospheric Pressure (INS)	3590
Sunney portly	clasely	l'emperature inside station unit ("F):	740
Wicela		Battery voltage reading (volts):	12.30
- Cong		how to an DV	1000
AILY CHECK (For eac	h station visit)	Lor remp 10	
SOURCE TO THE OF LIFE IT ACCOUNTS OF THE WHILE WOOD CONTROL OF	(Field Tech Initials)	PUMP FAULT (Yes / No).	
Date:	()	Flow Rate (L/min):	
Time:	— i i	Cumulative Sample Volume (L):	
-		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		remperature inside station unit ("F):	
		Battery voltage reading (volts):	
AILY CHECK (For eac	n station visit)		
	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		l'emperature inside station unit ("F):	
		Battery voltage reading (volts):	
		zama, ramaga radamig (volta).	
AILY CHECK (For each	n station visit)		
	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	— ì í	Cumulative Sample Volume (L):	
i miss	' '	Z 27 Y	-
		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS) Temperature inside station unit (**):	
		Battery voltage reading (volts):	
		Dattery voilage reading (voils).	

SN 36484

Date Printed: Tuesday, July 24, 2012 11:36 AM

Min Temp 69.2F Max Temp 114.8F TWA Temp 91.8F Min Pressure 27.6

Min Pressure 27.6 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.8 In-Hg

Flow Correction Approximately -10.0 ml/min

		_	Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
Prog (Hold)		Wed Jul 18 2012 11:35 AM			6:03
Sleep		Wed Jul 18 2012 11:41 AM			12:18:29
Prog (Run)	2000	Thu Jul 19 2012 12:00 AM	14400	14400	5d 0:00:00
Hold		Tue Jul 24 2012 12:00 AM			4:59
Sleep		Tue Jul 24 2012 12:05 AM			10:16:35
Hold		Tue Jul 24 2012 10:21 AM			5:23
Sleep		Tue Jul 24 2012 10:26 AM			1:00:48
Hold		Tue Jul 24 2012 11:27 AM			8:14+

Station Location:	T-22 (Troy Office)	Sample ID #:		-20
Field Technician:	TM	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2000	Sample Type:	TEM	
Pump Number:	36444	Sample Parent ID #:	· · · · · · · · · · · · · · · · · · ·	
Sampling Period:	80			
SETUP DAY				
		Timer Beginning Date/Time:	7/19/2012	2400
Date: 7/18/2012		Beginning Flow Rate (L/min):		
Time: 12:00		Pump Programmed (Yes / No):	yes	
	Bios Cal	ibration Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY				
		Timer Ending Date/Time:	7/23/2012	2400
Date: 7/24/12		Ending Flow Rate (L/min):		
Time: 1) 1/3		Total Sample Volume (L):	Ofto	
		Total Sample Time (min):		
the charles		Atmospheric Pressure (INS)	27.90	
Time: 1)'+18 Thy cloudy MENTS: (Please note al		Atmospheric Pressure (INS) sperature inside station unit (°F): type 72 ajor storm events, vandalism, an	27.9G 70.8	np fault)
operated.		nperature inside station unit (°F):	27.9G 70.8	np fault)
o cooling		nperature inside station unit (°F):	27.9G 70.8	np fault)
o coody		nperature inside station unit (°F):	27.9G 70.8	np fault)
o coody		nperature inside station unit (°F):	27.9G 70.8	np fault)
o coody		nperature inside station unit (°F):	27.9G 70.8	np fault)
o coody		nperature inside station unit (°F):	27.9G 70.8	np fault)
o coody		nperature inside station unit (°F):	27.9G 70.8	np fault)

Station Location: T-22 (Troy Office) Sample ID #	TA-
Field Technician: TM	Filter Lot #:	23171-01
Pump Type/Model: SKC AirChek 200	00	
Pump Number: 36444		
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	00
Date: 7/19/12 (2m)	Flow Rate (L/min):	
Time: 7:35 ()	Cumulative Sample Volume (L):	1031
	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
Market Control	Temperature inside station unit ("F):	759
Sund	Battery voltage reading (volts):	12.70
The second secon	box temo 70	
DAILY CHECK (For each station visit)	Į į	
(Field Tech Initials)	PUMP FAULT (Yes / No):	no
Date: 7/23/12 (m)	Flow Rate (L/min):	
Time: 11:40	Cumulative Sample Volume (L):	arro
	Cumulative Sample Time (min):	6460
Die Hanne	Atmospheric Pressure (INS)	28.02
My My Goody	Temperature inside station unit (*F):	83.9
Windly	Battery voltage reading (volts):	12.49
SAILV SUPOV PER LA LA CARTA DE LA CARTA DEL CARTA DEL CARTA DE LA	box temp 78	
DAILY CHECK (For each station visit)	DUMP FALSE OF THE	
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time: ()	Cumulative Sample Volume (L):	
	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS) Lemperature inside station unit (**):	
	Battery voltage reading (volts)	
	battery voltage reading (voltage	
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time: ()	Cumulative Sample Volume (L):	
N (Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
	l'emperature inside station unit ("F):	
	Battery voltage reading (volts)	
	ring to be recorded to the engineers of the State of the	
DAILY CHECK (For each station visit)		
(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date: ()	Flow Rate (L/min):	
Time: ()	Cumulative Sample Volume (L):	
25 (5)	Cumulative Sample Time (min):	
	Atmospheric Pressure (INS)	
	Temperature inside station unit (~F):	
	Battery voltage reading (volts):	

SN 36444

Date Printed: Tuesday, July 24, 2012 11:39 AM

Min Temp 63.3F Max Temp 108.2F TWA Temp 85.0F Min Pressure 27.7 In-Hg Max Pressure 28.2 In-Hg TWA Pressure 28.0 In-Hg

Flow Correction Approximately +40.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Hold		Wed Jul 4 2012 12:00 AM Wed Jul 4 2012 12:05 AM			4:59
Sleep Hold		Fri Jul 6 2012 12:00 AM			1d 23:54:59 4:58
Sleep		Fri Jul 6 2012 12:04 AM			13:28:39
Hold		Fri Jul 6 2012 1:33 PM			5:18
Sleep		Fri Jul 6 2012 1:38 PM			39:16
Hold		Fri Jul 6 2012 2:18 PM			4:58
Sleep		Fri Jul 6 2012 2:23 PM			2:12
Hold		Fri Jul 6 2012 2:25 PM			8:49
Sleep		Fri Jul 6 2012 2:34 PM			2d 19:52:51
Hold		Mon Jul 9 2012 10:27 AM			0:06
Flow	2000	Mon Jul 9 2012 10:27 AM	12.37	12.37	6:11
Hold		Mon Jul 9 2012 10:33 AM			3:45
Flow	2000	Mon Jul 9 2012 10:37 AM	0.333	12.70	0:10
Hold		Mon Jul 9 2012 10:37 AM			4:58
Flow	2000	Mon Jul 9 2012 10:42 AM	1.900	14.60	0:57
Prog (Hold)		Mon Jul 9 2012 10:43 AM			5:04
Sleep		Mon Jul 9 2012 10:48 AM			13:11:49
Prog (Run)	2000	Tue Jul 10 2012 12:00 AM	14400	14415	5d 0:00:01
Hold		Sun Jul 15 2012 12:00 AM			4:59
Sleep		Sun Jul 15 2012 12:05 AM			1d 11:58:33
Hold		Mon Jul 16 2012 12:03 PM			5:25
Sleep Hold		Mon Jul 16 2012 12:08 PM Tue Jul 17 2012 12:00 AM			11:51:01 4:58
Sleep		Tue Jul 17 2012 12:04 AM			4.56 8:25:32
Hold		Tue Jul 17 2012 8:30 AM			7:10
Sleep		Tue Jul 17 2012 8:37 AM			1d 1:27:12
Hold		Wed Jul 18 2012 10:04 AM			4:57
Sleep		Wed Jul 18 2012 10:09 AM			1:25:00
Hold		Wed Jul 18 2012 11:34 AM			0:04
Flow	2000	Wed Jul 18 2012 11:34 AM	0.133	14415	0:04
User Setup		Wed Jul 18 2012 11:34 AM			1:51
Prog (Hold)		Wed Jul 18 2012 11:36 AM			5:07
Sleep		Wed Jul 18 2012 11:41 AM			12:18:05
Prog (Run)	2000	Thu Jul 19 2012 12:00 AM	14400	28815	5d 0:00:02
Hold		Tue Jul 24 2012 12:00 AM			4:59
Sleep		Tue Jul 24 2012 12:05 AM			11:13:37
Hold		Tue Jul 24 2012 11:18 AM			5:21
Sleep		Tue Jul 24 2012 11:23 AM			14:06
Hold		Tue Jul 24 2012 11:38 AM			0:55+

	T-23 (Iron Creek)	Sample ID #	TA-	203
Field Technician:	(E, 2017)	Filter Lot #		_
	SKC AirChek 2000	Sample Type:	TEM	
Pump Number:		Sample Parent ID #.		
Sampling Period: MP SETUP DAY	80			
WIF SETOF DAT		Timer Beginning Date/Time:	7/19/2012	2400
Date: 7/18/2012		Beginning Flow Rate (L/min):	2	2400
Time: 12:00	÷1	Pump Programmed (Yes / No)		
	-	libration Within 10 mL (Yes / No)		
MP RETRIEVAL DAY				
100		Timer Ending Date/Time:	7/23/2012	2400
Date: 7/24/12	=:	Ending Flow Rate (L/min):		
Time: 10:36	-:	Total Sample Volume (L):		
		Total Sample Time (min):	7200	
MMENTS: (Please note a		Atmospheric Pressure (INS) nperature inside station unit (°F). box box 54 najor storm events, vandalism, an	69.7	np fault)
MMENTS: (Please note a		nperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)
MMENTS: (Please note a		mperature inside station unit (°F).	69.7	np fault)

Station Location: T-23 (Iron Creek Field Technician: TM Pump Type/Model: SKC AirChek 20 Pump Number: 4470	Filter Lot #	
DAILY CHECK (For each station visit) Date: 7/19/12 (Field Tech Initials) Time: 9:00 ()	PUMP FAULT (Yes / No) Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit (T-): Battery voltage reading (volts):	1096 547 37.91 78.2 18.47
Date: 7/33/12 (Field Tech Initials) Time: 11:19 ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit ("+): Battery voltage reading (volts):	0f10 6440 27.01
DAILY CHECK (For each station visit) (Field Tech Initials) Date: () Time: ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit (*F): Battery voltage reading (volts):	
DAILY CHECK (For each station visit) (Field Tech Initials) Date: () Time: ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit ("F): Battery voltage reading (volts):	
DAILY CHECK (For each station visit) (Field Tech Initials) Date: () Time: ()	PUMP FAULT (Yes / No): Flow Rate (L/min): Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS): I emperature inside station unit ("F): Battery voltage reading (volts):	

SN 4470

Date Printed: Tuesday, July 24, 2012 11:41 AM

Min Temp 66.7F
Max Temp 106.4F
TWA Temp 84.5F
Min Pressure 27.8 In-Hg
Max Pressure 28.1 In-Hg
TWA Pressure 28.0 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Mode	value	Start	LILEIS	Volume	Duration
Flow Adjust		Wed Jul 18 2012 11:38 AM			1:25
Prog (Hold)		Wed Jul 18 2012 11:40 AM			5:15
Sleep		Wed Jul 18 2012 11:45 AM			12:14:31
Prog (Run)	2000	Thu Jul 19 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Tue Jul 24 2012 12:00 AM			4:59
Sleep		Tue Jul 24 2012 12:05 AM			10:31:33
Hold		Tue Jul 24 2012 10:36 AM			5:25
Sleep		Tue Jul 24 2012 10:41 AM			58:25
Hold		Tue Jul 24 2012 11:40 AM			0:36+

Station Location	T-24 (Jordan)	Sample ID #:		-203
Field Technician:	THE STATE OF THE PROPERTY OF THE PROPERTY OF	Filter Lot #:		
	SKC AirChek 2000	Sample Type:	190-224-000 1000 000	
Pump Number:	process and the second second second	Sample Parent ID #:		
Sampling Period:				
P SETUP DAY	A 1895			
		Timer Beginning Date/Time:	7/19/2012	2400
Date: 7/18/2012		Beginning Flow Rate (L/min):	2	
Time: 12:00		Pump Programmed (Yes / No):	yes	
	Bios Ca	dibration Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY				
Y		Timer Ending Date/Time:	7/23/2012	2400
Date: 7/24/12		Ending Flow Rate (L/min):		
Time: 10:46		Total Sample Volume (L):	ofto	
		Total Sample Time (min):	7200	
unay, portly cla		Total Sample Time (min): Atmosperic Pressure (INS) mperature inside station unit (°F): box tone 59 najor storm events, vandalism, an	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)
unay, portly cla		Atmosperic Pressure (INS) mperature inside station unit (°F):	27.50	np fault)

Station Loca	tion: T-24 (Jordan)	Sample ID #:	TA-203
Field Technic		Filter Lot #:	
	odel: SKC AirChek 20		23171-01
	ber: 36422		
AILY CHECK (For eac			
STREET STREET, DESCRIPTION OF STREET	(Field Tech Initials)	PUMP FAULT (Yes / No)	no
Date: 7/19/1	17 (m)	Flow Rate (L/min):	2
Time: Q'10	()	Cumulative Sample Volume (L):	1117
1.10	//. SY	Cumulative Sample Time (min):	556
		Atmospheric Pressure (INS)	27.52
5		remperature inside station unit ("F)	75.0
SUNNY		Battery voltage reading (volts):	10.83
		box tema G5	.0.10
AILY CHECK (For eac	ch station visit)	a ray sa	
- 4	(Field Tech Initials)	PUMP FAULT (Yes / No):	na
Date: 7/23/11	2 (Tm)	Flow Rate (L/min):	2
Time: 11'. 28	()	Cumulative Sample Volume (L)	OfLo
- Infant # W		Cumulative Sample Time (min):	GUUX
- Al	1-0	Atmospheric Pressure (INS)	27.60
Swany, portly	clary	l'emperature inside station unit (°F):	74.2
Windy	.,	Battery voltage reading (volts),	12.54
- I		box tema 65	
AILY CHECK (For eac	ch station visit)		
GENERAL E	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	()	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
		Atmospheric pressure (INS)	
		l'emperature inside station unit ("F):	421
		Battery voltage reading (volts)	
AILY CHECK (For eac	h station visit		
ALL ONLON (FOI eac	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	(1 1	Flow Rate (L/min):	
Time:	— ; ;	Cumulative Sample Volume (L):	
	N	Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		remperature inside station unit ("F):	-
		Battery voltage reading (volts):	
AILY CHECK (For each	h station visit)	7	
	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
	— <i>(</i>)	Cumulative Sample Volume (L):	
Time:	\ /		
Time:		Cumulative Sample Time (min):	
Time:		Cumulative Sample Time (min): Atmospheric Pressure (INS	
Time:			7

SN 36422

Date Printed: Tuesday, July 24, 2012 11:42 AM

Min Temp 65.5F Max Temp 100.6F TWA Temp 80.1F

Min Pressure 27.4 In-Hg Max Pressure 27.8 In-Hg TWA Pressure 27.6 In-Hg No Flow Correction

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
User Setup		Wed Jul 18 2012 11:41 AM			0:57
Prog (Hold)		Wed Jul 18 2012 11:42 AM			5:36
Sleep		Wed Jul 18 2012 11:48 AM			12:11:48
Prog (Run)	2000	Thu Jul 19 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Tue Jul 24 2012 12:00 AM			4:59
Sleep		Tue Jul 24 2012 12:05 AM			10:41:33
Hold		Tue Jul 24 2012 10:46 AM			5:38
Sleep		Tue Jul 24 2012 10:52 AM			49:51
Hold		Tue Jul 24 2012 11:42 AM			0:57+

Station Location:	T-24QC(Jordan)	Sample ID #:		A-203
Field Technician:	TM	Filter Lot #:		
Pump Type/Model:	SKC AirChek 2000	Sample Type:	TEM _	= 4 000
Pump Number:	4469	Sample Parent ID #:		Γ A-20 3
Sampling Period	80			
MP SETUP DAY				
		Timer Beginning Date/Time:		2 2400
Date: 7/18/2012		Beginning Flow Rate (L/min):		2
Time: 12:00		Pump Programmed (Yes / No):		yes
	Bios C	alibration Within 10 mL (Yes / No)		yes
MP RETRIEVAL DAY				<u>-</u>
1 3		Timer Ending Date/Time:	7/23/2012	2 2400
Date: 7/24/12		Ending Flow Rate (L/min):		2
Time: 10:48		Total Sample Volume (L):	oflo	
		Total Sample Time (min):	7200	
		rotal odiripio rimo firmiji		
owny, portly c		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79	
MMENTS: (Please note a		Atmospheric Pressure (INS)	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)
1 3 1		Atmospheric Pressure (INS) emperature inside station unit (°F):	27.79 68.9	pump fault)

	an) Sample ID #: TA-
Field Technician: TM	Filter Lot #: 23171-01
Pump Type/Model: SKC AirChek:	2000
Pump Number: 4469	
OAILY CHECK (For each station visit)	
(Field Tech Initials	PUMP FAULT (Yes / No):
Date: 7/19/12 (Tm)	Flow Rate (L/min):
Time: G:)(a)	Cumulative Sample Volume (L):
	Cumulative Sample Time (min): 555
	Atmospheric Pressure (INS) 20, 29
- mail	emperature inside station unit ("F)
ars e	Battery voltage reading (volts):
	box temp G5
AILY CHECK (For each station visit)	
(Field Tech Initials	PUMP FAULT (Yes / No):
Date: 7/23/12 (m)	Flow Rate (L/min): 2
Time: 11: 09 ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min): 6049
11 1 0	Atmospheric Pressure (INS) 27 82
Surry Rotty charly	Temperature inside station unit ("F):
whitele	Battery voltage reading (volts):
	Day tema
AILY CHECK (For each station visit)	- Contraction -
(Field Tech Initials	PUMP FAULT (Yes / No)
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L)
	Cumulative Sample Time (min)
	Atmospheric Pressure (INS)
	l'emperature inside station unit ("F):
	Battery voltage reading (volts):
AILY CHECK (For each station visit)	
(Field Tech Initials	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
	emperature inside station unit ("F):
	Battery voltage reading (volts):
	A ser described a service service services of a production of the SMA of Services
AILY CHECK (For each station visit)	
(Field Tech Initials	PUMP FAULT (Yes / No):
Date: ()	Flow Rate (L/min):
Time: ()	Cumulative Sample Volume (L):
W 1972	Cumulative Sample Time (min):
	Atmospheric Pressure (INS)
	, milespinens i research (miles)
	l'emperature inside station unit (TF):

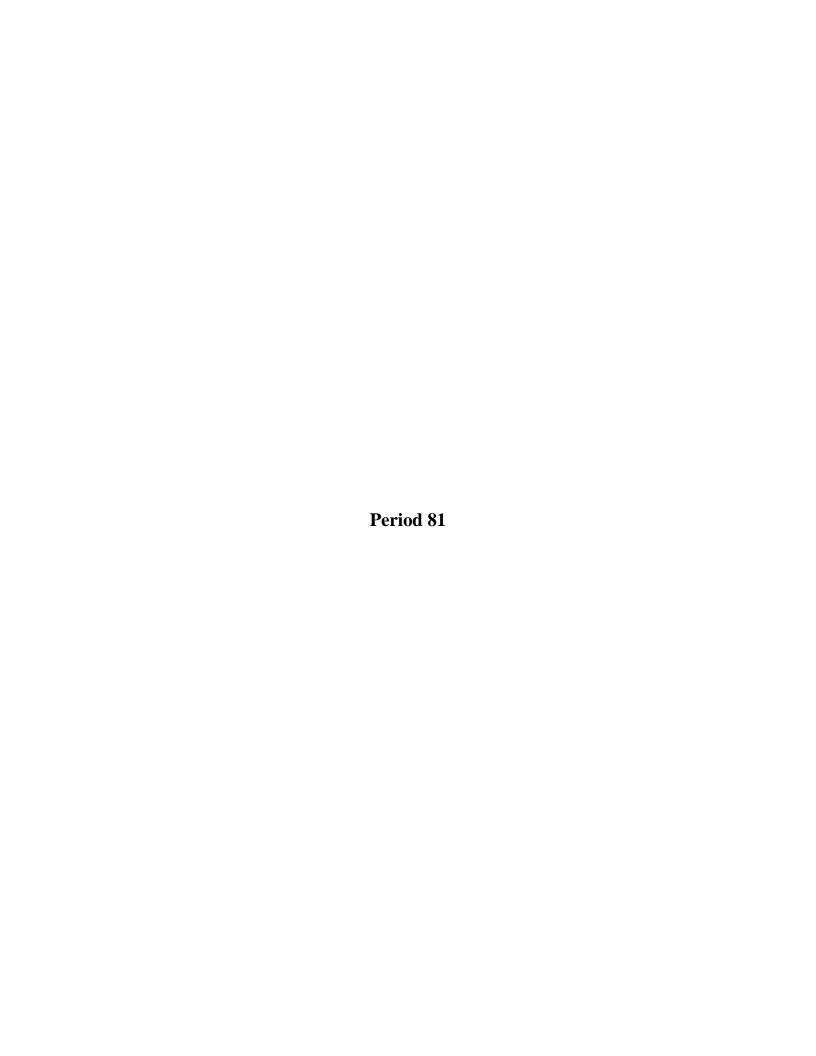
SN 4469

Date Printed: Tuesday, July 24, 2012 11:45 AM

Min Temp 66.1F Max Temp 99.2F TWA Temp 80.4F

Min Pressure 27.7 In-Hg Max Pressure 28.0 In-Hg TWA Pressure 27.8 In-Hg No Flow Correction

			Volume	Accum	
Mode	Value	Start	Liters	Volume	Duration
User Setup		Wed Jul 18 2012 11:44 AM			0:33
Prog (Hold)		Wed Jul 18 2012 11:44 AM			5:36
Sleep		Wed Jul 18 2012 11:50 AM			12:09:31
Prog (Run)	2000	Thu Jul 19 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Tue Jul 24 2012 12:00 AM			4:59
Sleep		Tue Jul 24 2012 12:05 AM			10:41:34
Hold		Tue Jul 24 2012 10:46 AM			7:34
Sleep		Tue Jul 24 2012 10:54 AM			49:12
Hold		Tue Jul 24 2012 11:43 AM			1:39+



Station Location: F	ield Blank	Sample ID #	TA-	-203
Field Technician: T	M	Filter Lot #.	Life Co.	
Pump Type/Model:		Sample Type:	TEM	
Pump Number:	_	Sample Parent ID #:		
Sampling Period	81		-	
SETUP DAY				
		Timer Beginning Date/Time:	7/29/2012	2400
Date: 7/27/2012		Beginning Flow Rate (L/min):		
Time:		Pump Programmed (Yes / No):		
,	Bio	os Calibration Within 10 mL (Yes / No)		
P RETRIEVAL DAY				
		Timer Ending Date/Time:	8/3/2012	2400
Date:		Ending Flow Rate (L/min):	2	
# 1000 May 1				
Time:		Total Sample Volume (L):		
Time:		Total Sample Volume (L): Total Sample Time (min):		
Time:		Total Sample Time (min): Atmospheric Pressure (INS)	$\overline{}$	
Time:	photographs tak	Total Sample Time (min):		mp fault)
Time:	photographs tak	Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F):		mp fault)
Time:	photographs tak	Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F):		mp fault)
Time:	photographs tak	Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F):		mp fault)
Time:	photographs tak	Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F):		mp fault)

				-203
Station Location:	T-21 (Fire Station)	Sample ID #:		
Field Technician:	TM	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2000	Sample Type:	TEM	
Pump Number:	36484	Sample Parent ID #:		
Sampling Period	81		17	
IMP SETUP DAY				
		Timer Beginning Date/Time:	7/29/2012	2400
Date: 7/27/2012		Beginning Flow Rate (L/min):	2	
Time: 12:00	Ō	Pump Programmed (Yes / No):	yes	
:	Bios Ca	libration Within 10 mL (Yes / No)	yes	
JMP RETRIEVAL DAY				
		Timer Ending Date/Time.	8/3/2012	2400
Date: 8-3-12		Ending Flow Rate (L/min):	2	
Time: 0 824		Total Sample Volume (L):	OFLO	
	•	Total Sample Time (min):	7200	
54 n n 9		Almospheric Pressure (INS)	61197	
S 4 n カ ツ DMMENTS: (Please note a		Atmospheric Pressure (INS) inperature inside station unit (°F): \$\begin{align*} \beta \times \tau \text{cm} \\ \eta \text{ajor storm events, vandalism, and align.} \end{align*}	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
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		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
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		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)
		mperature inside station unit (°F): ちゃメフィッド	75 - 50	np fault)

Field Technic		outer or energia.	Filter Lot #.	
	ber: 36484	TOTICK 2000		
AILY CHECK (For each		sit)		
	(Field Tec		PUMP FAULT (Yes / No):	0.0
Date: 7/30/	17 (40	a)	Flow Rate (L/min):	22
Time: 9:18	()	Cumulative Sample Volume (L):	3997
_1_10_			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
01-10			l'emperature inside station unit ("+):	67.9
cloudy			Battery voltage reading (volts):	67.01m 12.77
			how to a CI	D. 1. 100 1
AILY CHECK (For each	h station vis	sit)	COX AMP SOL	
1	(Field Tec	h Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min)	
Time:	— i)	Cumulative Sample Volume (L):	
Manual Services		(96.6	Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			l'emperature inside station unit ("+):	
			Battery voltage reading (volts)	
AILY CHECK (For each			NEONING PERIODE CAN TO A	
	(Field Tec	h Initials)	PUMP FAULT (Yes / No)	
Date:	(1 /	Flow Rate (L/min):	
Time:		1 /	Cumulative Sample Volume (L):	
			Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			emperature inside station unit ("F):	
			Battery voltage reading (volts):	
AILY CHECK (For eac	h station vis	:i#\		
ALL OTLON (FOR CAC	(Field Tec		PUMP FAULT (Yes / No):	
Date:	(1	Flow Rate (L/min):	
Time:	7	í	Cumulative Sample Volume (L):	
	, v	8.	Cumulative Sample Time (min):	
			Atmospheric Pressure (INS)	
			Temperature inside station unit ("F):	
			Battery voltage reading (volts):	
AILY CHECK (For eac	h station vis	sit)		7.
	(Field Tec	h Initials)	PUMP FAULT (Yes / No):	1
Date	()	Flow Rate (L/min):	1
Date:)	Cumulative Sample Volume (L):	
Time:				
	- A.		Cumulative Sample Time (min):	
			Cumulative Sample Time (min) Atmospheric Pressure (INS)	
			그리다 그 사람들이 얼마나 그러나 아름다면 하다면 하게 되었다고 하는 아이들이 되었다면 하셨다.	

SN 36484

Date Printed: Friday, August 3, 2012 9:12 AM

Min Temp 62.1F Max Temp 108.9F TWA Temp 86.0F Min Pressure 27.7

Min Pressure 27.7 In-Hg Max Pressure 28.1 In-Hg TWA Pressure 27.9 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Flow Adjust		Fri Jul 27 2012 9:52 AM			1:22
Prog (Hold)		Fri Jul 27 2012 9:53 AM			5:42
Sleep		Fri Jul 27 2012 9:59 AM			1d 14:00:29
Prog (Run)	2000	Sun Jul 29 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Fri Aug 3 2012 12:00 AM			4:59
Sleep		Fri Aug 3 2012 12:05 AM			8:19:19
Hold		Fri Aug 3 2012 8:24 AM			5:24
Sleep		Fri Aug 3 2012 8:29 AM			36:33
Hold		Fri Aug 3 2012 9:06 AM			5:43+

Station Location	T-21QC(Fire Station)	Sample ID #:		A-2037
Field Technicia	r: TM	Filter Lot #:		=75
Pump Type/Mode	SKC AirChek 2000	Sample Type:	TEM	ΓA-203
Pump Numbe	r: 4469	Sample Parent ID #:		16 A 7380
Sampling Period	i: 81			144
UMP SETUP DAY				
		Timer Beginning Date/Time:		
Date: 7/27/201		Beginning Flow Rate (L/min):		2
Time: 12:0	<u></u>	Pump Programmed (Yes / No):		yes
	Bios Cal	ibration Within 10 mL (Yes / No)		yes
JMP RETRIEVAL DAY	_			
		Timer Ending Date/Time:	8/3/2012	2400
Date: 8-3-17 Time: 0723		Ending Flow Rate (L/min):		
Time: 0 4 3 3	_	Total Sample Volume (L)	6	
		Total Sample Volume (E).	0 1-20	
		Total Sample Volume (L): Total Sample Time (min):		
SHANY		Total Sample Time (min): Atmospheric Pressure (INS)	1200	
		Total Sample Time (min):	1200	
Snnny	Ten	Total Sample Time (min): Atmospheric Pressure (INS) operature inside station unit (°F):	1200	
SHNAY	Ten	Total Sample Time (min): Atmospheric Pressure (INS) sperature inside station unit (°F): Box TemP =	1200	
SHNAY	Ten	Total Sample Time (min): Atmospheric Pressure (INS) sperature inside station unit (°F): Box TemP =	1200	
Sunny	Ten	Total Sample Time (min): Atmospheric Pressure (INS) sperature inside station unit (°F): Box TemP =	1200	

		L DAILY CHECK RECORDS	IA-2037
	T-21QC(Fire Sta	30.74 (1.75 (1.15	
Field Technician		Filter Lot #:	231/1-01
Pump Type/Model Pump Number	SKC AirChek 20 4469	00	
DAILY CHECK (For each s			-
	(Field Tech Initials)	PUMP FAULT (Yes / No):	na.
Date: 7/30/17	(Tm)	Flow Rate (L/min):	1
Time: 9:19	- ('')	Cumulative Sample Volume (L):	3,998
-	- 2	Cumulative Sample Time (min):	
C)012=011		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F):	689
		Battery voltage reading (volts)	12.22
		box Tema: GI	13-73
DAILY CHECK (For each s	station visit)	7	
	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
1		Cumulative Sample Time (min):	
7		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F):	
		Battery voltage reading (volts)	
DAILY CHECK (For each s	tation visit\		
	(Field Tech Initials)	PUMP FAULT (Yes / No)	
Date:	(Field Tech fillidais)	Flow Rate (L/min):	
Time:	- 1 1 3	Cumulative Sample Volume (L):	
	_ ()	Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F):	
		Battery voltage reading (volts):	
DAILY CHECK (For each s	- Later Control Control Control	DUMP FAULT (V - (N-)	
	(Field Tech Initials)	PUMP FAULT (Yes / No);	
Date:	- ; ;	Flow Rate (L/min):	
Time:	_ ()	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS) Lemperature inside station unit ("F):	
		Battery voltage reading (volts):	
		battery voilage reading (voils)	
DAILY CHECK (For each s	tation visit)		
TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
	== 0	Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		remperature inside station unit ("F):	
		Battery voltage reading (volts):	

SN 4469

Date Printed: Friday, August 3, 2012 9:16 AM

Min Temp 63.5F Max Temp 103.8F TWA Temp 82.7F Min Pressure 27.9

Min Pressure 27.9 In-Hg Max Pressure 28.2 In-Hg TWA Pressure 28.1 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Flow Adjust		Fri Jul 27 2012 10:03 AM			0:30
Prog (Hold)		Fri Jul 27 2012 10:03 AM			5:26
Sleep		Fri Jul 27 2012 10:09 AM			1d 13:50:46
Prog (Run)	2000	Sun Jul 29 2012 12:00 AM	14400	14400	5d 0:00:01
Hold		Fri Aug 3 2012 12:00 AM			4:59
Sleep		Fri Aug 3 2012 12:05 AM			8:18:33
Hold		Fri Aug 3 2012 8:23 AM			5:19
Sleep		Fri Aug 3 2012 8:28 AM			46:42
Hold		Fri Aug 3 2012 9:15 AM			0:26+

Station Location:	T-22 (Troy Office)	Sample ID #	1 CHUCH 100	-20
Field Technician:	TM	Filter Lot #:	23171-01	
Pump Type/Model:	SKC AirChek 2000	Sample Type	TEM	
Pump Number:		Sample Parent ID #:		
Sampling Period:	81		-	
P SETUP DAY				
		Timer Beginning Date/Time:		2400
Date: 7/27/2012		Beginning Flow Rate (L/min):	-	
Time: 12.00	•	Pump Programmed (Yes / No):	yes	
	Bios Ca	llibration Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY				
		Timer Ending Date/Time:		2400
Date: 4-3-12 Time: 6835		Ending Flow Rate (L/min):		
Time: 6835	2	Total Sample Volume (L):		
		Total Sample Time (min):	7200	
54114		Atmospheric Pressure (INS)		
MENTS: (Please note a		Atmospheric Pressure (INS) mperature inside station unit (°F): $Box Tem P$ najor storm events, vandalism, and	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)
SS 1995 PROMITOR		mperature inside station unit (°F): $BaxTemP$	67.4	np fault)

	ion: T-22 (Troy Office		
Field Technici		Filter Lot #:	23171-01
0.000	del: SKC AirChek 200	00	
Pump Numb			
AILY CHECK (For each		Entered Entered Entered	
A	(Field Tech Initials)	PUMP FAULT (Yes / No):	no
Date: 7/30/12	_ (Tm)	Flow Rate (L/min):	_2
Time: 10'-16		Cumulative Sample Volume (L):	4113
11	1 0	Cumulative Sample Time (min):	2056
Sunny partly 1	classy	Atmospheric Pressure (INS) Lemperature inside station unit (**):	57.33
1		Battery voltage reading (volts):	79.G
		b- t co	18.55
AILY CHECK (For each	n station visit)	DOX Remo (A)	
Gileon II oi caci	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	-
Time:	—) í	Cumulative Sample Volume (L):	ų.
	- N E	Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F):	
		Battery voltage reading (volts):	
1		19 19 19 19 19 19 19 19 19 19 19 19 19 1	
AILY CHECK (For each	station visit)	ãe	
	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
	74	Atmospheric Pressure (INS)	
		Temperature inside station unit ("F)	
		Battery voltage reading (volts):	
AII V CHECK TESS SOOT	a atalian wait		
AILY CHECK (For each	(Field Tech Initials)	DIIMP FALLT (Vas / Na)	
Date:	(\ \	PUMP FAULT (Yes / No): Flow Rate (L/min):	
Time:	- ; ;	Cumulative Sample Volume (L):	
Manufacture.	- V. V.	Cumulative Sample Time (min):	0 00
		Atmospheric Pressure (INS)	
		Temperature inside station unit (*F):	
		Battery voltage reading (volts)	
			ři – l
	n station visit)	-	
AILY CHECK (For each	(Field Tech Initials)	PUMP FAULT (Yes / No):	
AILY CHECK (For each		Flow Rate (L/min):	· · · · · · · · · · · · · · · · · · ·
AILY CHECK (For each	()	Tion thate (Entitle)	3
	()	Cumulative Sample Volume (L)	
Date:	_ ()		
Date:	()	Cumulative Sample Volume (L):	,
Date:	()	Cumulative Sample Volume (L) Cumulative Sample Time (min):	

SN 36444

Date Printed: Friday, August 3, 2012 9:14 AM

Min Temp 62.6F Max Temp 106.8F TWA Temp 83.7F Min Pressure 27.7 In-Hg

Max Pressure 28.1 In-Hg TWA Pressure 27.9 In-Hg

Flow Correction Approximately +40.0 ml/min

Mode	Value	Start	Volume Liters	Accum Volume	Duration
User Setup		Fri Jul 27 2012 9:55 AM			0:34
Prog (Hold)		Fri Jul 27 2012 9:55 AM			5:11
Sleep		Fri Jul 27 2012 10:01 AM			1d 13:59:00
Prog (Run)	2000	Sun Jul 29 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Fri Aug 3 2012 12:00 AM			4:59
Sleep		Fri Aug 3 2012 12:05 AM			8:30:34
Hold		Fri Aug 3 2012 8:35 AM			5:17
Sleep		Fri Aug 3 2012 8:40 AM			32:48
Hold		Fri Aug 3 2012 9:13 AM			0:20+

T-23 (Iron Creek)	Sample ID #:	TA-	-203
. TM	Filter Lot #:		_
SKC AirChek 2000	Sample Type:		
4470	Sample Parent ID #:		
81			
	Timer Beginning Date/Time:	7/29/2012	2400
2	Beginning Flow Rate (L/min):	2	
)	Pump Programmed (Yes / No):	yes	
Bios Ca	libration Within 10 mL (Yes / No)	yes	
	Timer Ending Date/Time:	8/3/2012	2400
<u> </u>	Ending Flow Rate (L/min):	2	
	Total Sample Volume (L):	0740	
	Total Sample Time (min):	7200	
Ter			
	Bios Ca	Timer Beginning Date/Time: Beginning Flow Rate (L/min): Pump Programmed (Yes / No): Bios Calibration Within 10 mL (Yes / No) Timer Ending Date/Time: Ending Flow Rate (L/min): Total Sample Volume (L): Total Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit (°F):	Timer Beginning Date/Time: 7/29/2012 Beginning Flow Rate (L/min): 2 Pump Programmed (Yes / No): yes Bios Calibration Within 10 mL (Yes / No) yes Timer Ending Date/Time: 8/3/2012

OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS) ADDITIONAL DAILY CHECK RECORDS TA-2038

Station Locati	on: T-23 (Iron Creek)	Sample ID #	TA-
Field Technici	an: TM	Filter Lot #:	23171-01
Pump Type/Mod	del SKC AirChek 200	00	
Pump Numb		<u> </u>	
DAILY CHECK (For each	n station visit)		
	(Field Tech Initials)	PUMP FAULT (Yes / No)	0 -
Date: 7/30/12	Ulan 1	Flow Rate (L/min):	7
Time: 2/1/2	— (***) (Cumulative Sample Volume (L)	4045
7.40		Cumulative Sample Time (min):	
and alma		Atmospheric Pressure (INS)	3033
party youry		Temperature inside station unit ("F):	13 1 1
		Battery voltage reading (volts)	10.30
		ha to ca	101.76
AILY CHECK (For each	n station visit)	COX 18mp GO	
Annual Manager	(Field Tech Initials)	PUMP FAULT (Yes / No):	
Date:	()	Flow Rate (L/min)	=======================================
Time:	- ; ;	Cumulative Sample Volume (L):	
		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F)	
	\	Battery voltage reading (volts)	
		and the same of th	
DAILY CHECK (For each	station visit)		
The same	(Field Tech Initials)	PUMP FAULT (Yes / No)	
Date:	()	Flow Rate (L/min):	
Time:	— ; ; 9	Cumulative Sample Volume (L)	
0.000.202		Cumulative Sample Time (min):	
		Atmospheric Pressure (INS)	
		l'emperature inside station unit (°F):	
		Battery voltage reading (volts):	
DAILY CHECK (For each	n station visit)		
reen, reason Michiga	(Field Tech Initials)	PUMP FAULT (Yes / No).	
Date:	()	Flow Rate (L/min):	
Time:	— ()	Cumulative Sample Volume (L):	
S I AND COME IN THE		Cumulative Sample Time (min)	
		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F):	
		Battery voltage reading (volts)	
		-10070000000000000000000000000000000000	
DAILY CHECK (For each	station visit)		
	(Field Tech Initials)	PUMP FAULT (Yes / No):	V
Date:	()	Flow Rate (L/min):	
Time:	- ()	Cumulative Sample Volume (L):	
(4.000.000)		Cumulative Sample Time (min)	
		Atmospheric Pressure (INS)	
		Temperature inside station unit ("F)	
		Battery voltage reading (volts):	
		earners a read reading (voits).	

SN 4470

Date Printed: Friday, August 3, 2012 9:22 AM

Min Temp 67.3F Max Temp 104.4F TWA Temp 84.1F Min Pressure 27.8 In-Hg

Max Pressure 28.1 In-Hg TWA Pressure 28.0 In-Hg

No Flow Correction

Mode	Value	Start	Volume Liters	Accum Volume	Duration
Flow Prog (Hold) Sleep	2000	Fri Jul 27 2012 9:58 AM Fri Jul 27 2012 9:58 AM Fri Jul 27 2012 10:04 AM	0.933	0.933	0:28 5:08 1d 13:55:53
Prog (Run) Hold Sleep Hold Sleep Hold Sleep Hold Sleep Hold	2000	Sun Jul 29 2012 12:00 AM Fri Aug 3 2012 12:00 AM Fri Aug 3 2012 12:05 AM Fri Aug 3 2012 8:11 AM Fri Aug 3 2012 8:17 AM Fri Aug 3 2012 9:15 AM Fri Aug 3 2012 9:20 AM Fri Aug 3 2012 9:21 AM	14400	14401	5d 0:00:02 4:59 8:06:56 5:17 58:34 4:58 0:59 0:15+

Station Location:	T-24 (Jordan)	Sample ID #:	TA-	-203
Field Technician:	- m - 1 O.A. 1. So a reliance on sety a	Filter Lot #:	A. S. S. S.	
Pump Type/Model:	SKC AirChek 2000	Sample Type:	DISTRIBUTION OF THE PROPERTY O	
Pump Number:	36422	Sample Parent ID #:		
Sampling Period:	81			
P SETUP DAY				
		Timer Beginning Date/Time:	7/29/2012	2400
Date: 7/27/2012		Beginning Flow Rate (L/min):	2	
Time: 12:00		Pump Programmed (Yes / No):	yes	
	Bios Ca	libration Within 10 mL (Yes / No)	yes	
P RETRIEVAL DAY				
		Timer Ending Date/Time:	8/3/2012	2400
Date: 4-3-12 Time: 0803		Ending Flow Rate (L/min):	2	
Time:		Total Sample Volume (L):	OFLU	
time. 0 803	2			
		Total Sample Time (min):	7200	
Sunn)		Total Sample Time (min): Atmosperic Pressure (INS)	27.61	
Sunni	Ten	Total Sample Time (min):	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)
Sunni	Ten	Total Sample Time (min): Atmosperic Pressure (INS) nperature inside station unit (°F): Pox TemP —	67.7	np fault)

TETRA TECH EM INC. OUT OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET TA-20381 ADDITIONAL DAILY CHECK RECORDS Station Location: T-24 (Jordan) Sample ID #: TA-Filter Lot #: 23171-02 Field Technician: TM Pump Type/Model: SKC AirChek 2000 Pump Number: 36422 DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Flow Rate (L/min): Date: 7/2 Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) l'emperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L) Cumulative Sample Time (min): Atmospheric Pressure (INS) Temperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric pressure (INS) Temperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No) Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS) I emperature inside station unit ("F): Battery voltage reading (volts): DAILY CHECK (For each station visit) (Field Tech Initials) PUMP FAULT (Yes / No): Date: Flow Rate (L/min): Time: Cumulative Sample Volume (L): Cumulative Sample Time (min): Atmospheric Pressure (INS Temperature inside station unit ("F): Battery voltage reading (volts):

SN 36422

Date Printed: Friday, August 3, 2012 9:17 AM

Min Temp 61.0F Max Temp 101.9F TWA Temp 76.9F

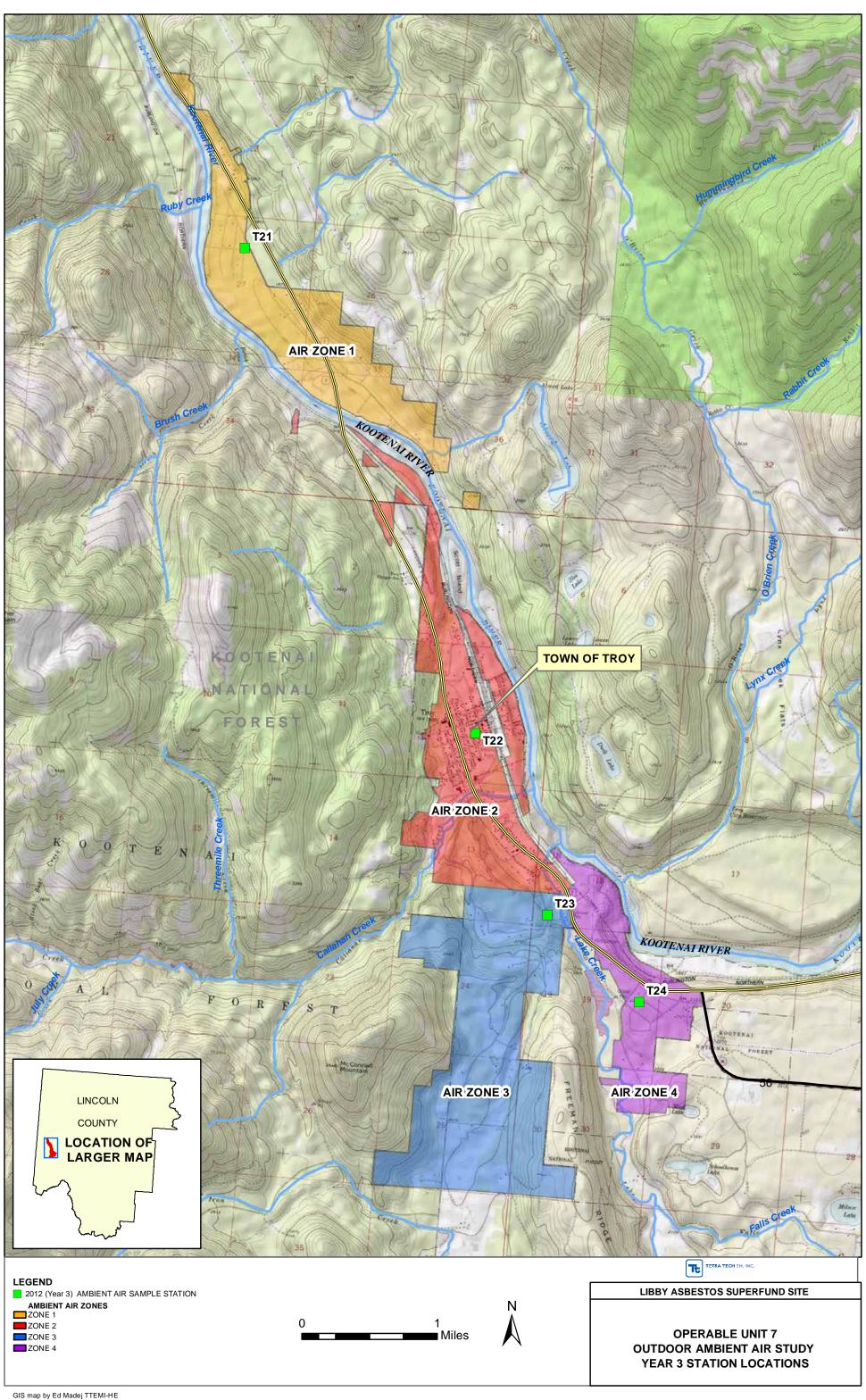
Min Pressure 27.3 In-Hg Max Pressure 27.8 In-Hg TWA Pressure 27.5 In-Hg

No Flow Correction	No	Flow	Corre	ction
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Mode	Value	Start	Volume Liters	Accum Volume	Duration
User Setup		Fri Jul 27 2012 10:00 AM			0:45
Prog (Hold)		Fri Jul 27 2012 10:01 AM			5:09
Sleep		Fri Jul 27 2012 10:06 AM			1d 13:53:31
Prog (Run)	2000	Sun Jul 29 2012 12:00 AM	14400	14400	5d 0:00:02
Hold		Fri Aug 3 2012 12:00 AM			4:59
Sleep		Fri Aug 3 2012 12:05 AM			7:58:08
Hold		Fri Aug 3 2012 8:03 AM			5:25
Sleep		Fri Aug 3 2012 8:08 AM			1:07:16
Hold		Fri Aug 3 2012 9:15 AM			2:10+

APPENDIX B

OU7 OUTDOOR AMBIENT AIR SAMPLING MODIFICATION (TFO-00005)





May 4, 2012

John Podolinsky Montana Department of Environmental Quality Remediation Division P.O. Box 200901 Helena, MT 59620-0901

Subject:

Transmittal of TFO-00005, Year 3 Outdoor Ambient Air Study SAP, Operable Unit

Number 7 of the Libby Asbestos Superfund Site

DEQ Contract 407026; Task Order 96

John:

For your review, Tetra Tech is transmitting by email a pdf file that makes up the TFO-00005 package for the Year 3 Ambient Air Work Plan/Sampling and Analysis Plan (SAP). TFO-00005 spells out the changes that were made to the Year 2 Work Plan and include: (1) a change in number and location of ambient air monitoring stations for Year 3, and (2) a Year 3 schedule. The three files being transmitted include: 1) TFO-00005, and 2) a map showing Year 3 ambient air station locations, and 3) a new SAP cover and signature pages.

If the documentation is satisfactory, please sign both the TFO and SAP signature pages and pass along to Victor for his signature, if necessary. Please let me know if you require any further changes or if you have any questions prior to signature.

Tetra Tech appreciates the opportunity to work with you and the DEQ Remediation Division on this important project. If you have any questions, please call me at 442-3461.

Sincerely,

Steve MacNeill

St Mac Nill

Project Scientist

CC:

Tetra Tech file

Attachments: via email

FINAL REMEDIAL INVESTIGATION WORK PLAN OUTDOOR AMBIENT AIR STUDY (TFO-00005: YEAR 3 UPDATE)

Operable Unit Number 7 of the Libby Asbestos Superfund Site

May 4, 2012

Prepared for:

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY Remediation Division

P.O. Box 200901 Helena, Montana 59620

Contract Number 407026 Contract Task Order Number 96

Prepared by:

TETRA TECH EM INC.

Power Block Building, Suite 612 7 West 6th Avenue Helena, Montana 59601 (406) 442-5588

LIBBY ASBESTOS SITE OPERABLE UNIT 7 OUTDOOR AMBIENT AIR MONITORING WORK PLAN

FOR THE

TROY ASBESTOS PROPERTY EVALUATION PROJECT

Prepared for:

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

REVIEWS AND APPROVALS

Tetra Tech EM Inc. Project Manager:	J. Edward Surbrugg, Ph.D.	Date: <u>5/9/12</u>
DEQ Project Officer:	John Podolinsky	Date: 5-9-12
EPA Remedial Project Manager:	Victor Ketellapper	Date: 5-9-12
EPA Remedial Project Manager:	Am Jaguer	Oate: 5/10/12

Record of Modification



to the Troy Sampling and Quality Assurance Project Plan Field Activities TFO-00005

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager at the Troy Field Office (TFO).

Data Manager will maintain legible copies in a binder that can be accessed by TFO personnel. If Modification is Temporary for a single Parcel, Data Manager will scan this and place in parcel's electronic file.

Project Work Plan/QAPP (check one):

Outdoor Ambient Air Study Work Plan	
O Other (Title and approval date):	
Site-Specific Guidance/SOP: Title NA	Number/Revision): NA
	Trainbon (overland).
Requester: John Podolinsky	Title: Project Manager
Company: DEQ	Date: May 3, 2012

Description of Modification:

This modification covers two topics: 1) Year 3 ambient air station locations, and 2) Year 3 ambient air sampling schedule. The two sections from the original SAP that are impacted by these changes are provided below.

Section 4.4.2 in the Final Remedial Investigation Work Plan Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site provides a general description of proposed ambient air sampling station locations. "As previously discussed, the predominant winds in Troy tend to flow in southeast and northwest directions, following the river corridor in which Troy is located. Two sampling stations (one each) will be placed in close proximity to the northwest and southeast boundaries of OU7. This will ensure that there are upwind and downwind sample collection stations for both directions the wind is blowing. Two stations (one each) will also be located on the northwest and southeast borders of downtown Troy in order to have upwind and downwind sample stations in the area with the highest population density. One sample station will be placed at the DEQ Troy Information Center in downtown Troy to measure LA concentrations in Troy. One station will be placed in the Kootenai Vista area in the northern portion of OU7 and the last station will be placed along or near Iron Creek Road in the southwestern portion of OU7." The ambient air monitoring stations will be relocated for the second year for more comprehensive coverage of the four "air zones" identified in OU7. This will provide additional data in support of human health risks related to ambient air exposure.

3.0 DATA QUALITY OBJECTIVES

STEP 4 - DEFINE THE BOUNDARIES OF THE STUDY

Temporal Bounds: The program will begin in fall 2009, and is scheduled to continue for one year in order to ensure that temporal variability on the scale of days and months is adequately captured in the data set. Temporal bounds include the changing of weather patterns, particularly wind speed and direction, over time. A summary of historical meteorological conditions and impacts on placement of outdoor ambient air sampling equipment is presented in section(s) 4.4.1 and

4.4.2. If additional data is needed to improve the temporal representativeness of the data set and/or to collect data that will allow an assessment of long-term trends that may arise from any removal or remedial actions, then the program could be extended for several years. These decisions will be made by the risk managers once the data collected from the initial year are evaluated, and after consultation with EPA's scientific support team at the site.

Field Sampling Data Sheet where Modification is documented (attach associated correspondence): N/A

Potential Implications of Modifications: (1) Re-locating the ambient air sampling stations within the four "air zones" for Year 3 will further support human health risk assessment for OU7. Moving the stations will not impact analytical protocol and is not anticipated to have any impact on analytical results. (2) Performing a third year of ambient air sampling will further support human health risk assessment for OU7. The third year of sampling will not involve any changes in sampling methods or analytical protocol and will not have any impact on analytical results.

Duration of Modification (Check one):	
Temporary	
Date(s):	Station Number
TA	

Permanent (Proposed Text Modification Section) Effective Date: May 4, 2012

Proposed Text Modifications in Associated Document: Section 4.4.2 in the Final Remedial Investigation Work Plan

Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site and Table 4-2:

As previously discussed, the predominant winds in Troy flow in southeast and northwest directions, following the river
corridor in which Troy is located. For year three sampling efforts, four sampling stations will be re-established at locations
used during year one. One station will be located within each of the four unique "air zones" as shown on the attached
figure. Two sampling stations will be re-established at locations in close proximity to the northern (T21) and southern
(T24) boundaries of OU7. This will ensure that there are upwind and downwind sample collection stations for both
directions the wind is blowing. One sample station (T22) will be located in the densely populated area of downtown Troy
and a final station (T23) will be re-located south of Troy along the Iron Creek Road. Table 4-2 has the rationale for the
ambient air monitoring locations and the attached figure shows the proposed year 3 ambient air monitoring locations.

TABLE 4-2 YEAR THREE OUTDOOR AMBIENT AIR SAMPLING LOCATIONS

Station Number	<u>Location*</u>	<u>Purpose</u>
<u>T21</u>	Upwind/downwind site near the northern border of OU7. Community exposure site located within small community area NE of the Kootenai River	This site will be used to evaluate LA concentrations at the small community near the northern boundary of OU7 and confirm if any LA is entering or leaving OU7 in Air Zone 1.
<u>T22</u>	City of Troy population exposure site	This site will be used to evaluate LA concentrations in the Troy community (specifically in the population center) of Air Zone 2.
<u>T23</u>	Upwind/downwind site on the lower reach of Iron Creek Road community exposure area.	This site will be used to evaluate LA concentrations in the southwestern area of the OU and confirm if any LA is entering or leaving OU7 in Air Zone 3.
<u>T24</u>	Upwind/downwind site near the SE border of OU7. Community exposure site located within small community area SW of the Kootenai River	This site will be used to evaluate LA concentrations at the small community near the southeastern boundary of OU7 and confirm if any LA is entering or leaving OU7 in Air Zone 4.
TQC	Rotating co-located sampling station to each of the four sampling locations	Co-located sampling station to evaluate analytical variability at each of the four station locations

Notes:

LA Libby Amphibole SE Southeast

NE Northeast SW Southwest

NW Northwest OU Operable Unit

Proposed Text Modifications in Associated Document:

3.0 DATA QUALITY OBJECTIVES

<u>STEP 4 – DEFINE THE BOUNDARIES OF THE STUDY, Temporal Bounds:</u> The year three ambient air sampling program will begin in Spring 2012, and is scheduled to continue for one year in order to ensure that temporal variability on the scale of days and months is adequately captured in the data set.

Data Quality Indicator (circle one) – Please reference definitions on reverse side for direction on selecting data quality indicators:

Not Applicable	Reject	Low Bias	Estimate	High Bias	No Bias
Technical Review at (DEQ Project Manag)		Date:_	
EPA Review and Ap (USEPA RPM or de		gagu		Date:_	5/10/12

^{*} Predominant winds in the area blow from the southeast and northwest. Stations on the southeast and northwest boundaries of OU7 will act as upwind and downwind receptors depending on wind direction. A summary of historical meteorological conditions is presented in Section 4.4.1.

DATA QUALITY INDICATOR DEFINITIONS

Reject – Samples associated with this modification form are not useable. The conditions outlined in the modification form adversely affect the associated sample to such a degree that the data are not reliable.

Low Bias - Samples associated with this modification form are useable, but results are likely to be biased low. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated low.

Estimate – Samples associated with this modification form are useable, but results should be considered approximations. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimates.

High Bias – Samples associated with this modification form are useable, but results are likely to be biased high. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated high.

No Bias – Samples associated with this modification form are useable as reported. The conditions outlined in the modification form suggest that associated sample data are reliable as reported.

SAP ANALYTICAL SUMMARY # OU7TA1009 SUMMARY OF PREPARATION AND ANALYTICAL REQUIREMENTS FOR ASBESTOS

SAP Title: Final Remedial Investigation Work Plan, Outdoor Ambient Air Study, Operable Unit Number 7 of the Libby Asbestos Superfund Site

SAP Date (Revision): October 14, 2009 (Revision 0)

EPA Technical Advisor: Catherine LeCours, MTDEQ (Primary, 406-841-5040, clecours@mt.gov); Nicole Bein (Alternate, 303-312-7075,

Bein.Nicole@epamail.epa.gov)

(contact to advise on DQOs of SAP related to preparation/analytical requirements)

Sampling Program Overview: The purpose of the Troy Ambient Air Study is to characterize occurrence of LA fibers in the ambient air of Troy and the immediate surrounding areas over the course of a calendar year. The sampling protocol and Data Quality Objectives as described in the Troy Ambient Air Work Plan are designed: 1) to collect data of sufficient representativeness and quality to estimate human health risks associated with inhalation of LA in outdoor ambient air in and around the city of Troy; and 2) to collect data to characterize the spatial patterns and temporal trends of LA occurrence in outdoor ambient air within the study area of the Libby Superfund Site. A total of approximately 252 ambient (stationary) air field samples will be collected, all of which are expected to be analyzed. In addition to the investigative samples, approximately 78 QA/QC samples (field duplicates, field blanks, and filter lot blanks) will be collected by the field crews. Additional drying blanks may be generated by the analytical laboratories per Lab Modification LB-000055.

Index ID Prefix: TA-

Medium-Specific TEM Preparation and Analytical Requirements for Field Samples:

	Medium,	_	Preparation De	tails			Analysi	s Details					
Medium	Sample	Investigative	Indirect Prep	? (a,b)	Filter		Recording	Analytical Sensitivity/	Applicable Laboratory				
Code	Туре	? (a)	•	Without Ashing (b)	Archive ? (b)	Mathodici		Mathodis		Mathodici		Prioritized Stopping Rules	Modifications
A	Outdoor Ambient (Stationary) Air Samples (Includes Field Duplicates)	Yes	Yes, if >25% loading with organic material (estimate #GO's to reach target AS and contact ESAT Region 8 before proceeding with indirect analysis)	No	Yes	TEM ISO 10312	All Asbestos; L: ≥0.5μm AR: ≥3:1	Count until one is achieved: i) Target AS = 0.00004 s/cc, or ii) 50 LA found (finish GO where 50 th LA found) Chrysotile only: 50 chrysotile (finish GO where 50 th chrysotile found)	LB-00016a, LB-000019, LB-000028, LB-00029b, LB-000030, LB-000031a, LB-000053, LB-000055, LB-000066c, LB-000084, LB-000085				

⁽a) See LB-000053 for additional details. (b) See most current version of EPA-LIBBY-08 for preparation details.

TEM Preparation and Analytical Requirements for Quality Control Samples:

	Medium,		Preparation	Details			Analysis Details	is Details		
Medium Code	Sample Type	Investigative ? (a)	Indirect P With Ashing (b)	rep? (a,b) Without Ashing (b)	Filter Archive ? (b)	Method(s)	Recording Rules	Stopping Rules	Applicable Laboratory Modifications	
В	Field Blank	No	No	No	Yes	TEM ISO 10312	All Asbestos; L: $\geq 0.5 \mu m$ AR: $\geq 3:1$	Evaluate 0.1 mm ² of filter area.	LB-00016a, LB-000019, LB-000028, LB-00029b, LB-000030, LB-000031a, LB-000055, LB-000066c, LB-000084, LB-000085	
С	Lot Blank	No	No	No	Yes	TEM ISO 10312	All Asbestos; L: ≥0.5µm AR: ≥3:1	Evaluate 0.1 mm ² of filter area.	LB-00016a, LB-000019, LB-000028, LB-00029b, LB-000030, LB-000031a, LB-000066c, LB-000084, LB-000085	
D	Drying Blank	No	No	No	Yes	TEM ISO 10312	All Asbestos; L: \geq 0.5 μ m AR: \geq 3:1	Evaluate 0.1 mm ² of filter area.	LB-00016a, LB-000019, LB-000028, LB-00029b, LB-000030, LB-000031a, LB-000066c, LB-000084, LB-000085	

PLM and PCM Preparation and Analytical Requirements: N/A

Laboratory Quality Control Frequencies:

TEM: Lab Blank – 4%

Recount Same - 1% Recount Different – 2.5% Verified Analysis – 1% Repreparation – 1%

Requirements Revision:

Revision #:	Effective Date:	Revision Description
0	04/02/10	N/A

Analytical Laboratory Review Sign-off:

⊠ EMSL – Libby [sign & date: R.K. Mahoney 5 April 2010]

EMSL – Libby [sign & date: K.K. Manoney 5 April 2010]

EMSL – Westmont [sign & date: Charles LaCerra April 6, 2010]

EMSL – Beltsville [sign & date: Joseph M. Centifonti April 6, 2010]

ESAT [sign & date: __Douglas Kent 02 April 2010_]

☐ Hygeia [sign & date: __Kyeong Corbin April 12, 2010_]

RESI [sign & date: Jeanne Orr April 12,

2010

[Checking the box and initialing above indicates that the laboratory has reviewed and acknowledged the preparation and analytical requirements associated with the specified SAP.]

APPENDIX C

YEAR 1 THROUGH YEAR 3 CUMULATIVE AMBIENT AIR MONITORING VALIDATED ANALYTICAL RESULTS

qSummaryResults_AA

							LA	No Of LA Structures	LA Concentration	Sampling
Property ID	Location	Location Comment	Sample No.	Sample Date	Sample Type	coc	Detected	Counted	(s/cc)	Period
AD-200653	T4QC	DEQ QC	TA-0001	30-Oct-09	Field Duplicate	TAA0001	Y	3	1.20E-04	1
AD-200920	T5	State Hwy Dept/Sewer Lift Station	TA-0003	30-Oct-09	Field Sample	TAA0001	Υ	5	1.75E-04	1
AD-200653	T4	DEQ	TA-0004	30-Oct-09	Field Sample	TAA0001	Υ	4	1.56E-04	1
AD-201580	T2	Kootenai Vista Truck Barn #2 TRFD	TA-0078	18-Jan-10	Field Sample	TAA0009	Y	1	3.77E-05	9
AD-201580	T2	Kootenai Vista Truck Barn #2 TRFD	TA-0087	28-Jan-10	Field Sample	TAA0010	Υ	1	3.81E-05	10
AD-200653	T4QC	DEQ QC	TA-0099	07-Feb-10	Field Duplicate	TAA0011	Y	4	1.58E-04	11
AD-200809	T1	Brown Rental	TA-0104	17-Feb-10	Field Sample	TAA0012	Y	2	7.37E-05	12
AD-201580	T2	Kootenai Vista Truck Barn #2 TRFD	TA-0105	17-Feb-10	Field Sample	TAA0012	Y	1	3.77E-05	12
AD-200335	T3	City Park Shop	TA-0106	17-Feb-10	Field Sample	TAA0012	Y	1	3.68E-05	12
AD-201138	T7	Jordan Residence	TA-0110	17-Feb-10	Field Sample	TAA0012	Υ	1	3.63E-05	12
AD-200653	T4	DEQ	TA-0115	06-Mar-10	Field Sample	TAA0013	Υ	1	3.74E-05	13
AD-200653	T4QC	DEQ QC	TA-0125	16-Mar-10	Co-located Sample	TAA0014	Υ	2	7.15E-05	14
AD-201535	T6	Iron Creek Road Water Tower	TA-0127	16-Mar-10	Field Sample	TAA0014	Υ	1	3.57E-05	14
AD-201138	T7	Jordan Residence	TA-0128	16-Mar-10	Field Sample	TAA0014	Υ	1	3.63E-05	14
AD-201580	T2	Kootenai Vista Truck Barn #2 TRFD	TA-0131	28-Mar-10	Field Sample	TAA0015	Υ	1	3.96E-05	15
AD-200809	T1	Brown Rental	TA-0148	17-Apr-10	Field Sample	TAA0017	Υ	1	3.96E-05	17
AD-200653	T4	DEQ	TA-0160	27-Apr-10	Field Sample	TAA0018	Υ	1	3.96E-05	18
AD-200920	T5	State Hwy Dept/Sewer Lift Station	TA-0316	14-Oct-10	Field Sample	TAA0035	Υ	1	3.97E-05	35
AD-200783	T11QC	Epps Body Shop QC	TA-20068	19-Jan-11	Co-located Sample	TAA0044	Υ	2	7.76E-05	44
AD-201580	T12	NW border of OU7	TA-20151	20-Apr-11	Field Sample	TAA0053	Υ	1	3.97E-05	53
AD-201580	T12	NW border of OU7	TA-20204	18-Jun-11	Field Sample	TAA0059	Υ	1	3.90E-05	59
AD-200381	T14	City of Troy Central Site	TA-20224	08-Jul-11	Field Sample	TAA0061	Υ	1	3.99E-05	61
AD-200783	T11	Mid-OU7 Community Exposure Site	TA-20275	06-Sep-11	Field Sample	TAA0067	Υ	1	3.92E-05	67
AD-201580	T12	NW border of OU7 Site	TA-20276	06-Sep-11	Field Sample	TAA0067	Υ	1	3.92E-05	67
AD-200381	T14	City of Troy Central Site	TA-20279	06-Sep-11	Field Sample	TAA0067	Υ	1	2.67E-04	67
AD-200381	T14	City of Troy Central Site	TA-20287	16-Sep-11	Field Sample	TAA0068	Υ	2	7.96E-05	68
AD-200630	T15	City of Troy Southern Site	TA-20297	26-Sep-11	Field Sample	TAA0069	Υ	1	3.85E-05	69
AD-201580	T21QC	Fire Station QC	TA-20333	5/10/2012	Co-located Sample	TAA0073A	Υ	1	4.00E-05	73
AD-200653	T22	DEQ	TA-20342	5/30/2012	Field Sample	TAA0075	Υ	2	7.99E-05	75
AD-201535	T23	Troy Water Tower	TA-20362	6/29/2012	Field Sample	TAA0078	Υ	1	4.00E-05	78
AD-201580	T21	Fire Station	TA-20377	7/29/2012	Field Sample	TAA0081	Υ	1	3.47E-05	81
AD-201580	T21QC	Fire Station QC	TA-20378	7/29/2012	Co-located Sample	TAA0081	Υ	3	1.08E-04	81

Samp_No	Period	Location	SampleDate	SampleType	Volume	SampleParentID	Name Lab	Benchsheet File Name
TA-20332	73		5/10/2012	Field Sample	14400		ESAT Region 8, Golden CO	TAA0073A_ESATR8_A120254_TEM-ISO_09-12-2012_Test Report_C0
1A-20332	70				14400		ESAT Region 6, Golden GG	174100707_E041110_4120204_1EM100_03-12-2012_163110p011_00
TA-20334	73		5/10/2012	Field Blank	0		ESAT Region 8, Golden CO	TAA0073A_ESATR8_A120254_TEM-ISO_09-12-2012_Test Report_C0
TA-20340	74		5/20/2012	Field Blank	0		ESAT Region 8, Golden CO	TAA0074_ESATR8_A120255_TEM-ISO_09-11-2012_Test_Report_C0
TA-20342	75		5/30/2012	Field Sample	14400		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120047_Final Report
TA-20346	75		5/30/2012	Field Blank	0		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120047_Final Report
			6/9/2012					
TA-20349	76			Field Sample	14400		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120048_Final Report
			6/9/2012					
TA-20350	76			Field Sample	14400		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120048_Final Report
TA-20354	77		6/19/2012	Field Duplicate	14400		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120049_Final Report
TA-20358	77		6/19/2012	Field Blank	0		Hygeia Laboratories Inc., Sierra Madre CA	TAA_38995120049_Final Report
TA-20373	80		7/19/2012	Field Sample	14400		ESAT Region 8, Golden CO	TAA0080_ESATR8_A120340_TEM-ISO_09-11-2012_Test_Report_C0
TA-20375	80			Field Duplicate	14400		ESAT Region 8, Golden CO	TAA0080_ESATR8_A120340_TEM-ISO_09-11-2012_Test_Report_C0
TA-20377	81		7/20/2012	Field Sample	14400		Reservoirs Environmental Services, Denver CO	RESI_241948-1_TAA0081_TEM-ISO_C0
TA-20379	81		7/29/2012	Field Sample	14400		Reservoirs Environmental Services, Denver CO	RESI_241948-1_TAA0081_TEM-ISO_C0

EDD File Name	Remarks	Validated (Y/N)	Validated By	Company	Validated Date
TA-20332_A120254-04_TEM-ISO_AR_07-12-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/8/2012
TA-20334_A120254-06_TEM-ISO_AR_07-13-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/8/2012
TA-20340_A120255-06_TEM-ISO_AR_07-17-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/8/2012
TA-20342_38995120047-1320482_TEM-ISO_AR_07-10-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/9/2012
TA-20346_38995120047-1320486_TEM-ISO_AR_07-12-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/9/2012
17-20340_30993120047-1320400_1 EM-130_AI_07-12-12_D_1401Q0_C0.xisiii	None		D. Matour	1000	10/0/2012
TA-20349_38995120048-1320489_TEM-ISO_AR_07-12-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/9/2012
TA-20350_38995120048-1320490_TEM-ISO_AR_07-13-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/9/2012
		Υ	D. Kutsal	Tetra Tech	10/10/2012
TA-20354_38995120049-1320494_TEM-ISO_AR_07-14-12_D_NotQC_C0.xlsm	None	T .	D. Kutsai	Tella Tech	10/10/2012
TA-20358_38995120049-1320498_TEM-ISO_AR_07-14-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/10/2012
TA-20373_A120340-03_TEM-ISO_AR_08-15-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/10/2012
TA-20375_A120340-05_TEM-ISO_AR_08-15-12_D_NotQC_C0.xlsm	None	Υ	D. Kutsal	Tetra Tech	10/10/2012
TA-20377_241948-896356_TEM-ISO_AR_08-16-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/10/2012
TA-20379_241948-896358_TEM-ISO_AR_08-17-12_D_NotQC_C0.xlsm	None	Y	D. Kutsal	Tetra Tech	10/10/2012

Validation Comments	QA Type	Validation Actions
AnalysisTargetSens entry in EDD and in database is 0; should be 0.00004.	Not QA	Notify OU7 Database Manager.
Several entries in the Detected field for StructConcHighMag		Notify OU7 Database Manager.
are "Yes;" should be "No."	Not QA	l
Several entries in the Detected field for StructConcHighMag		
are "Yes;" should be "No."	Not QA	Notify OU7 Database Manager.
AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.
	1101 0071	, ,
Several entries in the Detected field for StructConcHighMag		Notify OU7 Database Manager.
are "Yes;" should be "No."	Not QA	1. Notify OO7 Database Manager.
AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.		
2. AnalysisGOChrysHigh entries are 30; should be 69.		
3. AnalysisGOCountedHigh entries are 30; should be 69.		Notify OU7 Database Manager.
4. Result entries for SensitivityHighMag are 9.1877E-05; should		Notify OU7 Database Manager. Notify OU7 Database Manager.
be 3.99E-05.		4. Notify OU7 Database Manager.
5. Many of the Grid entries are missing from database.	Not QA	5. Notify OU7 Database Manager.
AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.		
2. AnalysisGOChrysHigh entries are 30; should be 69.		
3. AnalysisGOCountedHigh entries are 30; should be 69.		Notify OU7 Database Manager. Notify OU7 Database Manager.
4. Result entries for SensitivityHighMag are 9.1877E-05; should		Notify OU7 Database Manager. Notify OU7 Database Manager.
be 3.99E-05.		4. Notify OU7 Database Manager.
5. Many of the Grid entries are missing from database.	Not QA	5. Notify OU7 Database Manager.
AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.
Several entries in the Detected field for StructConcHighMag		
are "Yes;" should be "No."	Not QA	Notify OU7 Database Manager.
1. AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.
1. AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.
AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.
1. AnalysisTargetSens entry in EDD and in database is 0; should		
be 0.00004.	Not QA	Notify OU7 Database Manager.