ROCKWELL ENGINEERING & CONSTRUCTION SERVICES, Inc.

1825 WOODBINE ROAD
FAIRBANKS, ALASKA 99709
PHONE: (907) 457-7625
FAX: (907) 457-7620

102.38.118

Date: January 22, 2003

Attention: Mr. Jim Roles
First Strike Environmental
204 Quarry Road
Roseburg, OR 97470-9453

Subject: **Groundwater Sampling and Air Screening - Fourth Quarter Through December 31, 2002**
239 Ina Street, Fairbanks, Alaska
FSE Project No./Re: 99-12-10
Rockwell E&C Project No. 2123

Dear Mr. Roles,

Rockwell Engineering & Construction Services, Inc. conducted fourth quarter groundwater sampling at 239 Ina Street on November 15, 2002. Monthly screening of the vapor extraction system (VES) and crawlspace were conducted on October 14, November 15, and December 6, 2002. This report summarizes the fourth quarter data.

Summary tables and charts are presented in Attachment 1. Table 1 presents monthly air screening results. Table 2 presents groundwater sampling results. Table 3 lists Alaska Department of Environmental Conservation (ADEC) groundwater cleanup levels. Chart 1 displays diesel range organics (DRO) and benzene concentration trends in groundwater. The site layout is presented in Attachment 2. Complete laboratory test results are presented in Attachment 3.

Recent soil sampling conducted in the crawlspace under the house is discussed in a separate letter report.

FIELD ACTIVITIES

Groundwater sample W9 was collected with a peristaltic pump using the no purge method. Clean latex gloves were worn throughout sampling. The sample containers were placed into a chilled cooler and delivered to CT&E Environmental Services in Fairbanks directly after sampling. Sample W9 was analyzed for DRO by AK method 102 and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B.

For monthly VES screening, a photoionization detector (PID) was used to measure hydrocarbon vapors in the foundation vent, crawlspace vent, and crawlspace. The foundation vent has been operating continuously during the fourth quarter and was on during screening. Note that the crawlspace vent was turned off in March 28, 2002.

DISCUSSION OF RESULTS

The groundwater test results from W9 for both DRO and BTEX were below method detection limits (non-detect). Groundwater results remain below the ADEC cleanup level for DRO for the fourth consecutive sampling event. BTEX compounds have not been detected in the groundwater for the past two years. In a letter dated September 27, 2002, ADEC required four consecutive sampling events below cleanup levels before requesting a 'no further remedial action planned' (NFRAP).

The foundation vent PID readings for October, November, and December were 8.7, 5.1, and 5.0 parts per million (ppm), respectively. The crawlspace and crawlspace vent readings were all 0.0 ppm with the exception of the crawlspace vent reading for October, which was 1.1 ppm. PID readings for the foundation vent have decreased from a February 2002 high of 180 ppm to the December 2002 5.0 ppm reading. There has been a continuing downward trend since May 2002 reading of 20.9 ppm. Readings in the crawlspace have remained at 0.0 ppm since November 2001.

CONCLUSIONS

The groundwater results from this sampling and previous rounds show the ADEC cleanup levels for DRO and BTEX have been achieved. These results indicate that soil contamination remaining under the foundation footer has not migrated to the shallow groundwater table. Based on these results, Rockwell E&C concludes there is no further need to monitor or delineate the shallow groundwater table at the site.

If you have any questions, please contact me at (907) 457-7625.

Sincerely,

Susan L Vogt

1-22-03
Date

Susan Vogt
Environmental Operations Manager
Rockwell Engineering & Construction Services

Cc: ADEC, Sharon Richmond

ATTACHMENT 1

TABLES AND CHARTS

TABLE 1: AIR SCREENING READINGS

Date	Foundation Vent Readings	Crawlspace Vent Readings	Crawlspace Readings
8/25/00	11.8-32.2	0.0-112	--
9/12/00	0.0	0.6	0.0
9/18/00	0.0	0.0	0.0
9/22/00	0.0	0.0	0.0
9/25/00	1.4-202	0.0-15.6	0.0-0.5
9/29/00	0.0-0.5	0.0-1.4	0.0-0.2
10/3/00	1.4	1.4	0.0-3.5
11/3/00	0.0	0.0-45.0	0.0
2/12/01	0.0	0.0	0.0
3/6/01	0.0-0.3	0.3-1.1	0.0
4/13/01	0.0	0.0	0.0
4/16/01	1.1-64.4	0.0	0.0
5/31/01	31.4-47.7	0.0	0.0
6/13/01	22.2-46.0	0.0	0.0
7/9/01	10.4-266	0.9	0.0
8/20/01	0.5-20.2	0.0	0.0
9/11/01	20.5-145	0.0-0.1	0.0-1.1
10/23/01	0.0	0.0	0.0
11/8/01	157-159	0.0-12.5	0.0
11/14/01	122	0.0	0.0
11/16/01	124	0.0	0.0
11/20/01	101-117	0.0-0.1	0.0
11/28/01	0.0	0.0	25.3
12/13/01	118-228	0.0	0.0
1/7/02	9.0-175	0.0	0.0
2/13/02	3.7-180	0.0	0.0
3/28/02	0.0-4.4	0.0	0.0
4/26/02	16.4	0.0	0.0
5/23/02	20.9	0.0	0.0
6/7/02	12.4	0.0	0.0
7/23/02	12.9	0.0	0.0
9/19/02	12.2	3.7	0.0
10/14/02	8.7	1.1	0.0
11/15/02	5.1	0.0	0.0
12/6/02	5.0	0.0	0.0

Readings were taken using a PID. Results are listed in parts per million (ppm).
-- = No readings collected.

TABLE 2: GROUNDWATER TEST RESULTS

DATE	Sample ID	DRO	Benzene	Toluene	Ethyl-benzene	Xylenes
8/8/00	W1	1.84	0.00073	0.00894	0.0116	0.0481
11/30/00	W2	2.35	ND	ND	ND	0.01241
3/6/01	W3	2.69	ND	ND	ND	ND
6/13/01	W4	1.28	ND	ND	ND	ND
9/11/01	W5	3.48	ND	ND	ND	ND
12/13/01	W6	1.10	ND	ND	ND	ND
6/7/02	W7	1.13	ND	ND	ND	ND
9/19/02	W8	0.886	ND	ND	ND	ND
11/15/02	W9	ND	ND	ND	ND	ND

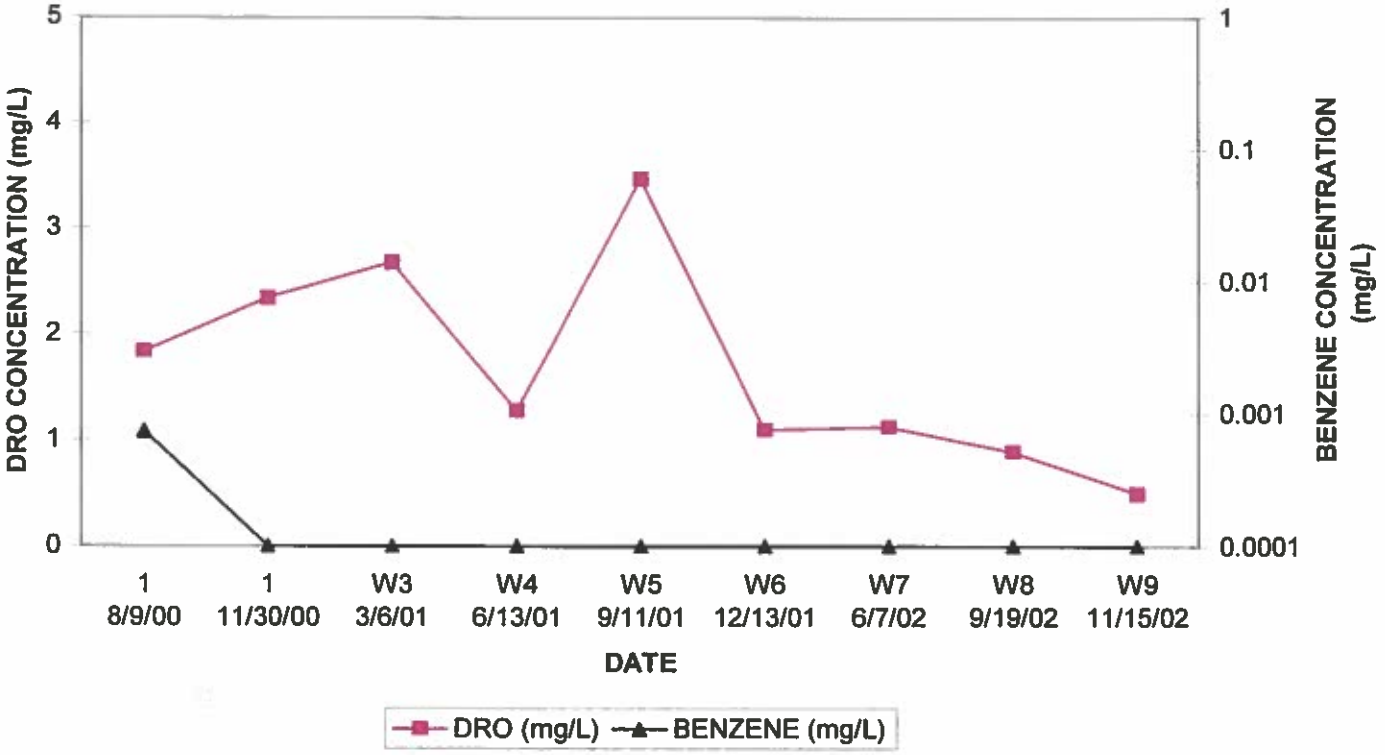
Results shown in milligrams per liter (mg/L).
ND = Not detected at or below method detection limit;
NA = Not analyzed.

TABLE 3: ADEC GROUNDWATER CLEANUP LEVELS

Parameter	Groundwater Cleanup Level (mg/L)
DRO	1.5
Benzene	0.005
Toluene	1.0
Ethylbenzene	0.7
Xylenes	10.0

From Table C, 18 AAC 75.345, ADEC.

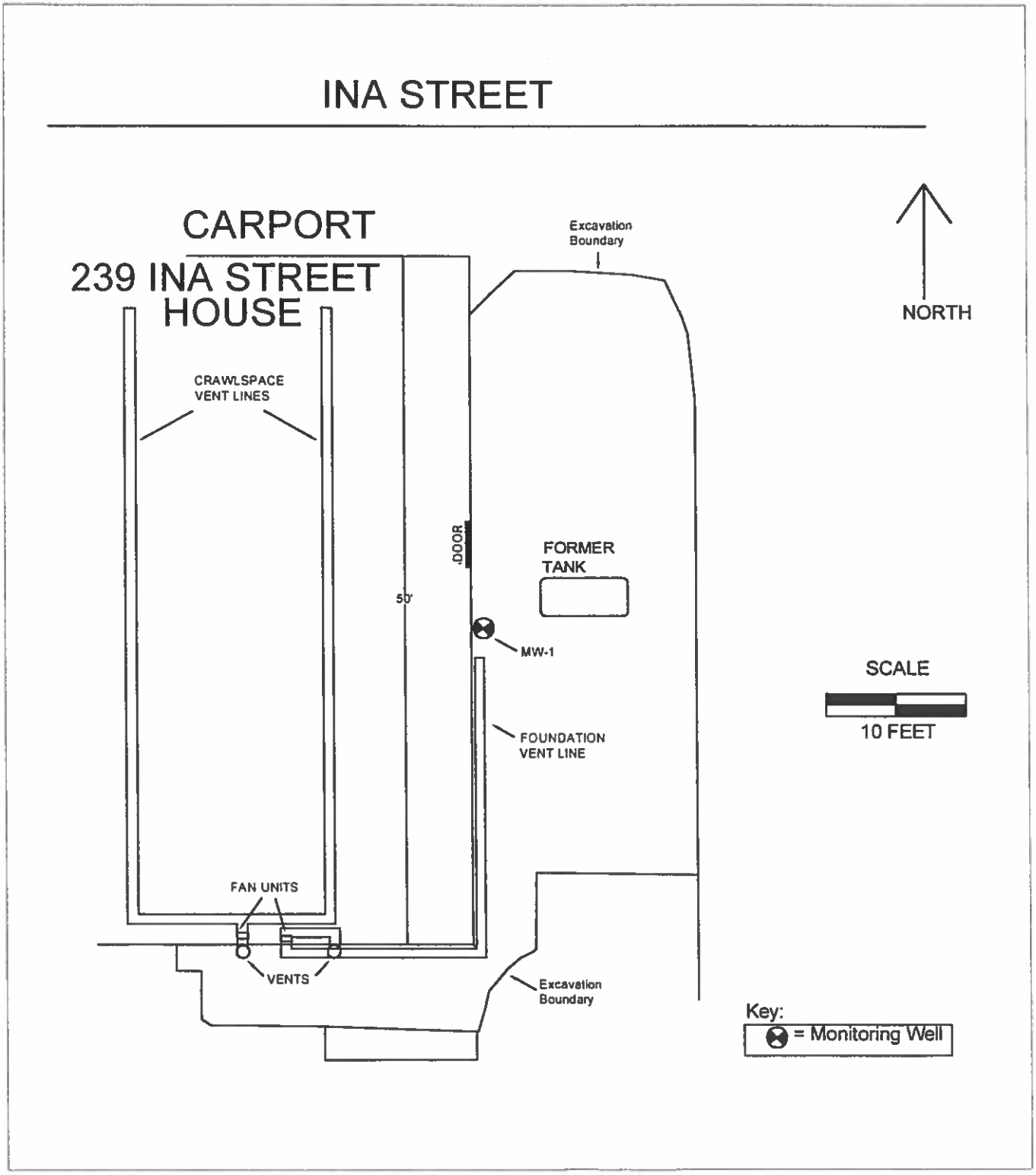
CHART 1: GROUNDWATER TRENDS



ATTACHMENT 2

SITE LAYOUT

ROCKWELL ENGINEERING & CONSTRUCTION SERVICES INC. 1825 WOODBINE ROAD FAIRBANKS, ALASKA 99709	Project Name SITE LAYOUT Location 239 INA STREET FAIRBANKS, ALASKA	Date 2002 SITE ASSESSOR AB DRAWN BY MR Drawing 1 Of 1



ATTACHMENT 3

LABORATORY RESULTS

Job# 2123

CTE Environmental Services
Alaska Division
Level I Data Report

Project:	239 Ina St
Client:	Rockwell Engineering & Construction
CT&E Work Order:	1027091

Contents:

Chain of Custody/Sample Rec Form
Case Narrative
Final Report Pages
QC Summary Pages

Note:
Unless otherwise noted, all quality assurance/quality control criteria are in compliance with the proper regulatory authority and/or CTE's Quality Assurance Program Plan.

CT&E Environmental Services Inc.

Case Narrative

Client	ROCKWEL	Rockwell Engineering & Construction	**Printed Date/Time**	11/20/2002 8:45
Workorder	1027091	239 Ina St		

Sample ID	Client Sample ID

1027091002 PS S1

BTEX - BFB surrogate recovery is biased high due to hydrocarbon interference. Results are not affected.
DRO - Surrogate is outside QC goals (biased high) due to hydrocarbon interference. Sample results should not be affected.
DRO - The pattern is consistent with a weathered middle distillate.

1027091003 PS S2

BTEX - BFB surrogate recovery is biased high due to hydrocarbon interference. Results are not affected.
DRO - Surrogate is outside QC goals (biased high) due to hydrocarbon interference. Sample results should not be affected.
DRO - The pattern is consistent with a weathered middle distillate.

1027091005 PS S4

DRO - The pattern is consistent with a weathered middle distillate.

1027091007 PS S6

BTEX - BFB surrogate recovery is biased high due to hydrocarbon interference. Results are not affected.
DRO - Surrogate is outside QC goals (biased high) due to hydrocarbon interference. Sample results should not be affected.
DRO - The pattern is consistent with a weathered middle distillate.

1027091008 PS S7

BTEX - BFB surrogate recovery is biased high due to hydrocarbon interference. Results are not affected.
DRO - Surrogate is outside QC goals (biased high) due to hydrocarbon interference. Sample results should not be affected.
DRO - The pattern is consistent with a weathered middle distillate.

CHAIN OF CUSTODY RECORD

1027091

CT&E Environmental Services Inc.
Laboratory Division

RUSH

(1)

CLIENT: Rockwell Engineering
CONTACT: Alex Beaver PHONE NO: (907) 457-7625 ~~488-8454~~
PROJECT: 234 Ina St PWSID#:
REPORTS TO: 1825 Woodbine Rd. Fairbanks, AK 99701 FAX NO: (907) 457-7620
INVOICE TO: SAME QUOTE# P.O. NUMBER:

CT&E Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used	HCl	HCl	–	MeOH						REMARKS
							Analysis Required (3)	PRO	BTEX	DRO	BTEX						
1	A-E	W9	15Nov02	1100	W	5	G	X	X								
2	A-B	S1		1200	S	2	G			X	X						
3	A-B	S2		1200	S	2	G			X	X						
4	A-B	S3		1210	S	2	G			X	X						
5	A-B	S4		1217	S	2	G			X	X						
6	A-B	S5		1248	S	2	G			X	X						
7	A-B	S6		1257	S	2	G			X	X						
8	A-B	S7	↓	1309	S	2	G			X	X						
9	A	TB(s)	–	–	–	1	–			~~X~~	X						
10	A-B	TB(w)	–	–	–	1	–				X						

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	15Nov02	1:50	Shannon Daines
Relinquished By: (2)	Date	Time	Received By:
Shannon Daines	11-15-02	4:30	[signature]
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:
[signature]	11/16/02	0840	[signature]

(4)

Shipping Carrier: Hand
Shipping Ticket No:
Temperature C: Temp Blank – 1.6°C Cooler – 1.6°C
Data Deliverables:
Level I Level II Level III EDD Type:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

3 day TAT

RUSH

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
3180 Peger Road Fairbanks, AK 99701 Tel: (907) 474-8656 Fax: (907) 474-9685

CT&E Environmental Services Inc.

SAMPLE RECEIPT FORM

CT&E WO#: 1027091

RUSH

Yes	No		
	✓	Are samples RUSH, priority, or *within 72 hrs.* of hold time?	
✓		If yes have you done *e-mail notification*?	
	✓	Are samples *within 24 hrs.* of hold time or due date?	
	NA	If yes, have you *spoken with* Supervisor?	
	✓	Archiving bottles – i f required, are they properly marked?	
✓(1)	FBT, 02 11/18/02	Are there any problems (e.g., ids, analyses)?	
✓(2)		Were samples preserved correctly and pH verified?	
		(2) Had to add HCl to 10.3ml.	
		(1) #7: LID INDICATES "S6", JAR LABEL INDICATES "S7" #8: LID INDICATES "S7", JAR LABEL INDICATES "S6".	
	NA	Has Project Manager been notified of problems? CALLED P.M. SUE	
	✓	Is this a DOD project? (USACE, Navy, AFCEE): CALLED CLIENT WHO INDICATES USE LID ID#. FBT/ 11/18/02	
		If yes, complete page 2 of Sample Receipt Form	
	✓	Will a **data package** be required?	
	✓	If this is for PWS, provide **PWSID.**	
✓		Is there a **quote** for this project? 5770A	
	✓	Will **courier charges** apply?	
		Method of payment?	

Due Date: 11-20-02
Received Date/Time: 11-15-02 1:50
Received Temperature*:
Thermometer ID: probe C

Cooler ID	Temp Blank	Cooler Temp
1	1.6c	1.6c

Matrix of each Sample:

1	" "	1
2	" "	2-8
	" "	
	" "	
	" "	
1/2	Trip Blank	10-9
	BMS/BMSD	

Completed by (sign): Shannon Raines **(print):** Shannon Raines

Login proof (check one): waived _____ required _____ performed by: _____

Notes: _____

# of each Container Received:

	950 ml amber unpres'd		Other (specify)
2	950 ml amber w / HCl		Other (specify)
	500 ml amber w / H_2SO_4		Other (specify)
	1L cubies unpres'd		Other (specify)
	1L Cubitainers w / HNO_3		
	1L Cubitainers w / H_2SO_4		
	1L Cubitainers w / NaOH + ZnAc		
	250 mL Nalgene NaOH		
	120 ml coli bottles		
	60 ml Nalgene unpres'd		
	60 mL Nalgene w/ H_2SO_4		
7	8 oz amber unpres'd		
	4 oz amber unpres'd		
8	4 oz w / septa w / MeOH		
5	40 ml vials w / HCl		
	40 mL ascorbic acid + HCl		

Additional Sample Remarks

	Extra Sample Volume?
	Limited Sample Volume?
	Field pres'd for volatiles?
	Field-filtered for dissolved?
	Lab-filtered for dissolved?
	Ref Lab required?

TO BE COMPLETED IN ANCHORAGE UPON ARRIVAL FROM FAIRBANKS OR HAWAII.
NOTES RECORDED BELOW ARE ACTIONS NEEDED UPON ARRIVAL IN ANCHORAGE.

Notes: _____

DATE / TIME: 11/16/02 0915

COOLER AND TEMP BLANK READINGS*

Cooler ID	Temp Blank	Cooler	Cooler ID	Temp Blank	Cooler
2	1.8	1.9			

CUSTODY SEALS INTACT: (YES) / NO **# / WHERE:** 2 on front

COMPLETED BY (INITIAL): FBT

*Temperature readings include thermometer correction factors.

Form F004r06 (08/20/02)

CUSTODY SEAL

Date 15 Nov 02

Signature [signature]

Nalge Nunc International *I-CHEM® Brand Products*

CUSTODY SEAL

Date 15 Nov 02

Signature [signature]

Nalge Nunc International *I-CHEM® Brand Products*

1027091

CT

TB

1.8

COOLER

1.9

CT&E Environmental Services Inc.

CUSTODY SEAL

Signature: Shannon Raines Date/Time: 11-15-02 4:30

#2

CT&E Environmental Services Inc.

CUSTODY SEAL

Signature: Shannon Raines Date/Time: 11-15-02 4:30

9

CT&E Environmental Services Inc.

200 W. Potter Drive
Anchorage, AK 99518-1605
Tel: (907) 562-2343
Fax: (907) 561-5301
Web: http://www.cteesi.com

Alex Beaver
Rockwell Engr & Const
1825 Woodbine
Fairbanks, AK 99709

Work Order:	1027091
	239 Ina St
Client:	Rockwell Engineering & Construction
Report Date:	November 20, 2002

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by CT&E. A copy of our Quality Control Manual that outlines this program is available at your request.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth in our Quality Assurance Program Plan.

If you have any questions regarding this report or if we can be of any other assistance, please call your CT&E Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

U	Indicates the analyte was analyzed for but not detected.
F	Indicates an estimated value that falls below PQL, but is greater than the MDL.
J	Indicates an estimated value that falls below PQL, but is greater than the MDL.
B	Indicates the analyte is found in the blank associated with the sample.
*	The analyte has exceeded allowable limits.
GT	Greater Than
D	Secondary Dilution
LT	Less Than
!	Surrogate out of range

CT&E Environmental Services Inc.

CT&E Ref.#	1027091001
Client Name	Rockwell Engineering & Construction
Project Name/#	239 Ina St
Client Sample ID	W9
Matrix	Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

Printed Date/Time	11/20/2002 10:29
Collected Date/Time	11/15/2002 11:00
Received Date/Time	11/15/2002 13:50
Technical Director	Stephen C. Ede

Released By Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department								
Benzene	0.000500 U	0.000500	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Toluene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Ethylbenzene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
P & M -Xylene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
o-Xylene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Surrogates								
1,4-Difluorobenzene <Surr>	114		%	BTX SW846-8021B	75-120	11/18/02	11/18/02	ECG
4-Bromofluorobenzene <Surr>	97.5		%	BTX SW846-8021B	50-150	11/18/02	11/18/02	ECG
Semivolatile Organic Fuels Department								
Diesel Range Organics	0.500 U	0.500	mg/L	AK102 DRO		11/19/02	11/19/02	DS
Surrogates								
5a Androstane <surr>	72		%	AK102 DRO	50-150	11/19/02	11/19/02	DS

F-701

CT&E Environmental Services Inc.

CT&E Ref.#	1027091010	**All Dates/Times are Alaska Standard Time**	
Client Name	Rockwell Engineering & Construction	**Printed Date/Time**	11/20/2002 10:29
Project Name/#	239 Ina St	**Collected Date/Time**	11/15/2002 0:00
Client Sample ID	TB	**Received Date/Time**	11/15/2002 13:50
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	Stephen C. Ede
		Released By	

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department								
Benzene	0.000500 U	0.000500	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Toluene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Ethylbenzene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
P & M -Xylene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
o-Xylene	0.00200 U	0.00200	mg/L	BTX SW846-8021B		11/18/02	11/18/02	ECG
Surrogates								
1,4-Difluorobenzene <Surr>	99.2		%	BTX SW846-8021B	75-120	11/18/02	11/18/02	ECG
4-Bromofluorobenzene <Surr>	95.7		%	BTX SW846-8021B	50-150	11/18/02	11/18/02	ECG

F-701

CT&E Environmental Services Inc.

CT&E Ref.#	467149 Method Blank	**Printed Date/Time**	11/20/2002 8:45
Client Name	Rockwell Engineering & Construction	**Prep Batch**	VXX 9874
Project Name/#	239 Ina St	**Method**	SW5030
Matrix	Water (Surface, Eff., Ground)	**Date**	11/18/2002

QC results affect the following production samples:

1027091001, 1027091010

Sample Remarks:

Parameter	Results	Reporting Limit	Units	Analysis Date	Init
Volatile Fuels Department					
Gasoline Range Organics	0.0450 U	0.0450	mg/L	11/18/02	ECG
Benzene	0.000250 U	0.000250	mg/L	11/18/02	ECG
Toluene	0.00100 U	0.00100	mg/L	11/18/02	ECG
Ethylbenzene	0.00100 U	0.00100	mg/L	11/18/02	ECG
P & M -Xylene	0.00100 U	0.00100	mg/L	11/18/02	ECG
o-Xylene	0.00100 U	0.00100	mg/L	11/18/02	ECG
Surrogates					
1,4-Difluorobenzene <Surr>	100		%	11/18/02	ECG
4-Bromofluorobenzene <Surr>	87.7		%	11/18/02	ECG

Batch VFC 5562
Method AK101/8021B
Instrument HP 5890 Series II PID+FID VCA

CT&E Ref.#	467150 Lab Control Sample	**Printed Date/Time**	11/20/2002 8:45
	467151 Lab Control Sample Duplicate	**Prep Batch**	VXX 9874
Client Name	Rockwell Engineering & Construction	**Method**	SW5030
Project Name/#	239 Ina St	**Date**	11/18/2002
Matrix	Water (Surface, Eff., Ground)		

QC results affect the following production samples:
1027091001, 1027091010

Sample Remarks:
LCS

LCSD

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date	Init
Volatile Fuels Department									
Gasoline Range Organics	LCS	0.913	101	(60-120)			0.9 mg/L	11/18/02	ECG
	LCSD	0.896	100		2	(< 20)	0.9 mg/L	11/18/02	ECG
Benzene	LCS	0.0411	97	(79-131)			0.0426 mg/L	11/18/02	ECG
	LCSD	0.0411	97		0	(< 20)	0.0426 mg/L	11/18/02	ECG
Toluene	LCS	0.137	99	(86-117)			0.139 mg/L	11/18/02	ECG
	LCSD	0.140	101		3	(< 20)	0.139 mg/L	11/18/02	ECG
Ethylbenzene	LCS	0.0246	101	(86-127)			0.0244 mg/L	11/18/02	ECG
	LCSD	0.0282	116		14	(< 20)	0.0244 mg/L	11/18/02	ECG
P & M -Xylene	LCS	0.0859	97	(83-115)			0.0886 mg/L	11/18/02	ECG
	LCSD	0.0962	109		11	(< 20)	0.0886 mg/L	11/18/02	ECG
o-Xylene	LCS	0.0315	93	(88-116)			0.0339 mg/L	11/18/02	ECG
	LCSD	0.0333	98		6	(< 20)	0.0339 mg/L	11/18/02	ECG
Surrogates									
1,4-Difluorobenzene <Surr>	LCS		106	(75-120)			0.05 mg/L	11/18/02	ECG
	LCSD		108		2		0.05 mg/L	11/18/02	ECG
4-Bromofluorobenzene <Surr>	LCS		109	(60-120)			0.05 mg/L	11/18/02	ECG
	LCSD		107		2		0.05 mg/L	11/18/02	ECG

Batch VFC 5562
Method AK101/8021B
Instrument HP 5890 Series II PID+FID VCA

F-701

CT&E Environmental Services Inc.

CT&E Ref.#	467034 Method Blank	**Printed Date/Time**	11/20/2002 8:45
Client Name	Rockwell Engineering & Construction	**Prep Batch**	XXX 11146
Project Name/#	239 Ina St	**Method**	SW3510C
Matrix	Water (Surface, Eff., Ground)	**Date**	11/19/2002

QC results affect the following production samples:

1027091001

Sample Remarks:

Parameter	Results	Reporting Limit	Units	Analysis Date	Init
Semivolatile Organic Fuels Department					
Diesel Range Organics	0.500 U	0.500	mg/L	11/19/02	DS
Residual Range Organics GC	1.00 U	1.00	mg/L	11/19/02	DS
Surrogates					
5a Androstane <surr>	67.8		%	11/19/02	DS
n-Triacontane-d62 <Surr>	84.7		%	11/19/02	DS

Batch XFC 5635
Method AK102/103
Instrument HP 5890 Series II FID SV A F

F-701

CT&E Environmental Services Inc.

CT&E Ref.#	467035 Lab Control Sample	**Printed Date/Time**	11/20/2002 8:45
	467036 Lab Control Sample Duplicate	**Prep Batch**	XXX 11146
Client Name	Rockwell Engineering & Construction	**Method**	SW3510C
Project Name/#	239 Ina St	**Date**	11/19/2002
Matrix	Water (Surface, Eff., Ground)		

QC results affect the following production samples:

1027091001

Sample Remarks:

LCS

LCSD

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date	Init
Semivolatile Organic Fuels Department									
Diesel Range Organics	LCS	4.00	80	(75-125)			5 mg/L	11/19/02	DS
	LCSD	4.13	83		3	(< 20)	5 mg/L	11/19/02	DS
Residual Range Organics GC	LCS	3.65	73	(60-120)			5 mg/L	11/19/02	DS
	LCSD	3.76	75		3	(< 20)	5 mg/L	11/19/02	DS
Surrogates									
n-Triacontane-d62 <Surr>	LCS		80	(60-120)			0.1 mg/L	11/19/02	DS
	LCSD		80		0		0.1 mg/L	11/19/02	DS
5a Androstane <surr>	LCS		71	(60-120)			0.1 mg/L	11/19/02	DS
	LCSD		77		9		0.1 mg/L	11/19/02	DS

Batch XFC 5635
Method AK102/103
Instrument HP 5890 Series II FID SV A F