

# REINHOLDT ENGINEERING CONSTRUCTION

California State Contractor #671177 • Storage Tank & Environmental Services

August 22, 2003

Alameda County Health Services Dept.  
1131 Harbor Bay Pkwy.  
Alameda, CA 94502

Alameda County  
Engineering Dept.

Attn: Robert Weston

Re: Alameda County Fairgrounds, 4501 Pleasanton Ave.,  
Pleasanton, Ca.

Mr. Weston:

The following report outlines recent work performed for the Alameda County Fairgrounds Association at the above-referenced address. The scope of the work included the removal of an underground storage tank system (UST) and the collection of soil samples from the UST location.

## **Introduction / Use History**

On August 5, 2003 Reinholdt Engineering Construction removed a 2,000 gallon gasoline double-wall steel UST. The removal of the tank was witnessed by Larry Seeto of the Alameda County Health Services Department and Bob Alcantor of the Alameda County Fire Department.

The UST was installed in the 1980's for maintenance equipment refueling. In 1998 a new overspill container and overflow-preventive device were installed. In January 1999, the supply piping was converted to a safe suction system and the supply containment piping was upgraded to make water-tight. No repairs or modifications to the tank or piping were known to have been made.

## **Tank Removal Procedures**

Prior to removal, the tank was emptied and back-flushed with water. The tank was then triple rinsed with water and pumped dry. Approximately 55 gallons of rinseate was removed and transported by Clearwater Environmental, Inc. of Fremont, California and disposed at the Alviso Independent Oil Co. facility in Alviso, California (EPA manifest is provided in Addendum A). The tank atmosphere was then rendered inert by the introduction of approximately 100 lbs. of dry ice.

With the inspectors' approval, the tank was lifted by a crane and set above ground to be visibly inspected. Particular attention was paid to the welded seams and lower portions of the tank. The steel tank had an outer fiberglass lining and only minor corrosion was noticed where the fiberglass lining had been nicked.

The tank was then set on a truck trailer and transported by ECI, Inc. to their disposal facility in Richmond, California where it was processed, rendered harmless and later disposed as scrap metal (certificate of destruction and hazardous waste manifest copies are located in Addendum A).

Soil from the former gasoline pump location was found to be stained and smelled of old gasoline. Approximately four cubic yards of clay were removed this area and placed on, and covered with a non-permiable lining. A few clumps of stained soil fell into the excavation and have not been removed. A small vein of stained soil beneath the asphalt behind the former fuel island at an elevation of approximately 6" to 12" below land surface (BLS) also remains.

### **Soil Sampling**

Under Mr. Seeto's direction, two soil samples were collected from the tank pit, one from the former gas pump location, one from the contaminated stockpile and one from the pea gravel stockpile. Groundwater was not encountered.

Soil sample S-1 was collected from native clay at the former fill end of the UST approximately 2' below the tank bottom and 11'6" BLS. S-2 was collected from native clay at the former vent/supply end of the UST approximately 2' below tank bottom and 11'6" BLS. S-3 was collected from native clay beneath the former gas pump at an elevation approximately 5' BLS. Sample S-4 was collected from four points of the contaminated soil stockpile and sample S-5 was collected from the stockpiled pea gravel (approximately 15 - 20 cubic yards in volume).

The soil samples containers were hand-driven into the soil media (S-1 and S-2 were retrieved by a backhoe bucket) and collected in clean 2" x 6" brass tubes. The tubes were sealed with a Teflon liner, capped and placed on ice in a chest and delivered to McCampbell Analytical, Inc. of Pacheco, California, a State certified laboratory, under signed chain-of-custody (copy is provided in Addendum B).

### **Laboratory analyses/results**

The soil samples were analyzed for the following: Total petroleum

hydrocarbons as gasoline (TPHg), Methyl tert-butyl ether (MTBE), benzene, toluene, ethylbenzene and xylenes (BTEX), Lead, Diisopropyl ether (DIPE), Ethyl tertiary butyl ether (ETBE), tert-Amyl methyl ether (TAME), Dibromoethane (EDB), t-Butyl alcohol (TBA) and Dichloroethane (DCA) (see lab analyses report in addendum B).

### **Conclusion/Recommendations**

Small amounts of lead were detected in samples S-1, S-2 and S-3, gasoline and t-Butyl alcohol were detected in sample S-4. I recommend removal of the contaminated soil in the pit and from behind the former fuel island and disposing to an approved landfill. Additional sampling of native soil from the former fuel island location should be conducted per ACHSD requirements and their approval received prior to backfilling.

If any questions should arise regarding the work detailed, please do not hesitate to contact me.

Sincerely,

REINHOLDT ENGINEERING CONSTRUCTION

Darin Reinholdt  
Principal

enc: Hazardous waste manifests, UST certificate of destruction  
Laboratory results  
Chain of custody form  
Site map with sample locations

cc: Ed Johnson, Alameda County Fairgrounds Association  
file

**ADDENDUM A:**  
**HAZARDOUS WASTE MANIFESTS**  
**and DISPOSAL CERTIFICATES**

22490643  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA4921112587906431</b>		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Alameda County Fairgrounds 4501 Pleasanton Ave Pleasanton, CA 94566</b>						A. State Manifest Document Number <b>22490643</b>							
4. Generator's Phone <b>925 426-7654</b>						B. State Generator's ID							
5. Transporter 1 Company Name <b>Ecology Control Industries</b>						C. State Transporter's ID [Reserved.]							
6. US EPA ID Number <b>CAD982030173</b>						D. Transporter's Phone <b>(510) 235-1393</b>							
7. Transporter 2 Company Name						E. State Transporter's ID [Reserved.]							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD RICHMOND CA 94801</b>						10. US EPA ID Number <b>CAD009466392</b>							
						G. State Facility's ID							
						H. Facility's Phone <b>(510) 235-1393</b>							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK piping</b>						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number	
						No. Type		Quantity		Wt/Vol		State EPA/Other	
						<b>0101 TP</b>		<b>014006</b>		<b>P</b>		State <b>512</b> EPA/Other <b>NONE</b>	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
1. Additional Descriptions for Materials Listed Above <b>CITY OF RICHMOND EMPT WASTE STORAGE TANKS 30881 TANKS HAVE BEEN INSERTED WITH 15 LBS DRY ICE PER 100 GALLONS CAPACITY</b>						K. Handling Codes for Wastes Listed Above							
						a. <b>01</b>		b.		c.		d.	
15. Special Handling Instructions and Additional Information <b>WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: ALAMEDA CO FAIRGROUNDS 24 HOUR EMERGENCY TELEPHONE NUMBER: 925 426 7656 ECI# 5210665</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name (Agent for owner) <b>Darin Reinholdt</b>						Signature <i>Darin Reinholdt</i>			Month Day Year <b>08 05 03</b>				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Gina Johnson</b>						Signature <i>Gina Johnson</i>			Month Day Year <b>08 05 03</b>				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>James Wilcox</b>													
						Signature <i>James Wilcox</i>			Month Day Year <b>08 06 03</b>				

DO NOT WRITE BELOW THIS LINE.

White: TSDf SENDS THIS COPY TO DTSC WITHIN 30 DAYS  
 To: P.O. Box 3000, Sacramento, CA 95812

**ADDENDUM B:**  
**LABORATORY RESULTS,**  
**CHAIN-OF-CUSTODY FORM**  
**and SITE MAP**

sample locations (stockpiles sampled in 4 locations)

asphalt storage area

(SP-1) contaminated stockpile

Repair shop

Repair shop

(S-1)

Tank pit

(SP-2)  
pea  
gravel  
stockpile

(S-3)

(S-2)

(SP-2) pea gravel stockpile

asphalt parking lot



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: [main@mccampbell.com](mailto:main@mccampbell.com)

Reinholdt Engineering Constructi P.O.Box 271943 Concord, CA 94527-1943	Client Project ID: ACFA	Date Sampled: 08/05/03
		Date Received: 08/05/03
	Client Contact: Darin Reinholdt	Date Reported: 08/11/03
	Client P.O.:	Date Completed: 08/11/03

WorkOrder: 0308047

August 11, 2003

**RECEIVED**

**AUG 14 2003**

REINHOLDT ENGINEERING CONSTRUCTION

Dear Darin:

Enclosed are:

- 1). the results of 5 analyzed samples from your ACFA project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager





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Reinholdt Engineering Constructi  
P.O.Box 271943  
Concord, CA 94527-1943

Client Project ID: ACFA

Date Sampled: 08/05/03

Date Received: 08/05/03

Client Contact: Darin Reinholdt

Date Extracted: 08/05/03

Client P.O.:

Date Analyzed: 08/06/03-08/08/03

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE\***

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0308047

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	1	S	ND	ND	ND	ND	ND	ND	1	87.3
002A	2	S	ND	ND	ND	ND	ND	ND	1	88.5
003A	3	S	ND	ND	ND	ND	ND	ND	1	86.5
004A	4	S	26,g	ND<0.17	ND<0.017	ND<0.017	0.034	0.30	3.3	91.6
005A	5	S	ND	ND	ND	0.013	ND	0.018	1	89.7

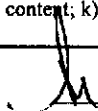
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

\* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasolinc range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



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<http://www.mcccampbell.com> E-mail: [main@mcccampbell.com](mailto:main@mcccampbell.com)

Reinholdt Engineering Constructi P.O.Box 271943 Concord, CA 94527-1943	Client Project ID: ACFA	Date Sampled: 08/05/03
		Date Received: 08/05/03
	Client Contact: Darin Reinholdt	Date Extracted: 08/05/03
	Client P.O.:	Date Analyzed: 08/06/03

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0308047

Lab ID	0308047-001A	0308047-002A	0308047-003A	0308047-004A	Reporting Limit for DF = 1	
Client ID	1	2	3	4		
Matrix	S	S	S	S		
DF	1	1	1	4	S	W

Compound	Concentration				µg/Kg	ug/L
Diisopropyl ether (DIPE)	ND	ND	ND	ND<20	5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND<20	5.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND<20	5.0	NA
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND<20	5.0	NA
t-Butyl alcohol (TBA)	ND	ND	ND	200	25	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND<20	5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND<20	5.0	NA

**Surrogate Recoveries (%)**

%SS:	99.4	96.6	99.5	94.9		
Comments						

\* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Reinholdt Engineering Constructi P.O.Box 271943 Concord, CA 94527-1943	Client Project ID: ACFA	Date Sampled: 08/05/03
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	Client Contact: Darin Reinholdt	Date Extracted: 08/05/03
	Client P.O.:	Date Analyzed: 08/06/03

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0308047

Lab ID	0308047-005A	Reporting Limit for DF =1	
Client ID	5		
Matrix	S		
DF	1		
		S	W

Compound	Concentration			µg/Kg	ug/L
Diisopropyl ether (DIPE)	ND			5.0	NA
Ethyl tert-butyl ether (ETBE)	ND			5.0	NA
Methyl-t-butyl ether (MTBE)	ND			5.0	NA
tert-Amyl methyl ether (TAME)	ND			5.0	NA
t-Butyl alcohol (TBA)	ND			25	NA
1,2-Dibromoethane (EDB)	ND			5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND			5.0	NA

**Surrogate Recoveries (%)**

%SS:	88.4			
------	------	--	--	--

**Comments**

\* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Reinholdt Engineering Constructi P.O.Box 271943 Concord, CA 94527-1943	Client Project ID: ACFA	Date Sampled: 08/05/03
		Date Received: 08/05/03
	Client Contact: Darin Reinholdt	Date Extracted: 08/05/03
	Client P.O.:	Date Analyzed: 08/06/03

**Lead by Graphite Furnace Atomic Absorption\***

Extraction method: SW3050B

Analytical methods: SW7010

Work Order: 0308047

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0308047-001A	1	S	TTLc	4.3	1	N/A
0308047-002A	2	S	TTLc	3.4	1	N/A
0308047-003A	3	S	TTLc	3.1	1	N/A
0308047-004A	4	S	TTLc	ND	1	N/A
0308047-005A	5	S	TTLc	ND	1	N/A

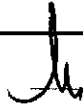
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLc	NA	mg/L
	S	TTLc	3.0	mg/Kg

\*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

 Angela Rydelius, Lab Manager



### QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0308047

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 8071		Spiked Sample ID: 0308049-010A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) <sup>£</sup>	ND	0.60	106	106	0	108	107	1.35	70	130
MTBE	ND	0.10	85.3	84	1.58	86.9	84.5	2.90	70	130
Benzene	ND	0.10	87.7	89.6	2.12	86.8	85.9	1.07	70	130
Toluene	ND	0.10	89.5	91.1	1.77	88.1	87.5	0.762	70	130
Ethylbenzene	ND	0.10	89.9	91.6	1.83	89.5	88.7	0.836	70	130
Xylenes	ND	0.30	94	94.3	0.354	90.7	90.3	0.368	70	130
%SS:	ND	100	74.1	74.3	0.256	71	71.1	0.0563	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ; RPD =  $100 * (MS - MSD) / (MS + MSD) * 2$ .

\* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



**QC SUMMARY REPORT FOR SW8260B**

Matrix: S

WorkOrder: 0308047

EPA Method: SW8260B	Extraction: SW5030B		BatchID: 8062			Spiked Sample ID: 0308028-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND	50	107	106	0.490	112	108	3.64	70	130
t-Butyl alcohol (TBA)	ND	250	103	109	4.91	112	105	6.11	70	130
1,2-Dibromoethane (EDB)	ND	50	119	122	2.84	126	124	1.02	70	130
1,2-Dichloroethane (1,2-DCA)	ND	50	124	125	1.34	127	125	1.58	70	130
Diisopropyl ether (DIPE)	ND	50	124	127	1.82	129	126	2.37	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	112	113	0.464	115	112	2.85	70	130
Methyl-t-butyl ether (MTBE)	ND	50	110	112	2.47	116	112	4.05	70	130
%SSI:	90.5	100	107	106	1.43	107	107	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ;  $RPD = 100 * (MS - MSD) / (MS + MSD) * 2$ .

\* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



McC Campbell Analytical Inc.

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 Telephone : 925-798-1620 Fax : 925-798-1622  
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### QC SUMMARY REPORT FOR SW7010

Matrix: S

WorkOrder: 0308047

EPA Method: SW7010		Extraction: SW3050B			BatchID: 8063		Spiked Sample ID: N/A			
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	500	N/A	N/A	N/A	100	101	0.665	70	130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

$\% \text{ Recovery} = 100 * (\text{MS-Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) * 2.$

\* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



### QC SUMMARY REPORT FOR SW7010

Matrix: S

WorkOrder: 0308047

EPA Method: SW7010		Extraction: SW3050B			BatchID: 8081		Spiked Sample ID: N/A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	500	N/A	N/A	N/A	101	100	0.790	70	130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ; RPD =  $100 * (MS - MSD) / (MS + MSD) * 2$ .

\* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



REC

0308047

### McCAMPBELL ANALYTICAL INC.

110 2<sup>ND</sup> AVENUE SOUTH, #D7  
PACHECO, CA 94553-5560

Telephone: (925) 798-1620

Fax: (925) 798-1622

### CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH     24 HR     48 HR     72 HR     5 DAY

Report To: Darin Reinholdt    Bill To: Reinholdt Eng. Const.

Company: REC    P.O. Box 271943  
Concord, CA 94527

Tele: ( ) 925-689-8406    Fax: ( ) 925-689-8407

Project #:    Project Name: ACFA

Project Location: 4501 Pleasanton Ave., Pleasanton, Ca.

Sampler Signature: \_\_\_\_\_

#### Analysis Request

#### Other

#### Comments

SAMPLE ID	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				BTEX & TPH as Gas (602/8020 + 8015) MTBE TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB'S ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	<del>Lead</del> TAME/ETBE/DIPE/TBA	Lead (7240/7421/239, 2/6010)	EPA EDB and EDC (8260)	Organic lead DHS-LUFT	Total lead AA	Specific Conductivity	Laboratory Composite							
		Date	Time			Water	Soil	Air	Sludge	Other organic	Ice	HCl	HNO <sub>3</sub>	Other																									
1	S-1	8/5/03	15:19	1	tube	X																																	
2	S-2	↓	15:31	1	↓	X																																	
3	S-3	↓	15:55	1	↓	X																																	
4	SP-1	↓	16:03	4	↓	X																																	
5	SP-2	↓	16:10	4	↓	X				X																													

Laboratory Composite  
I may call 8/6/03 to request organic lead analyses.

Relinquished By: Darin Reinholdt	Date: 08/05	Time: 5:45	Received By: Meli Valin
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/r     PRESERVATION APPROPRIATE CONTAINERS

GOOD CONDITION    VOAS/O&G METALS OTHER

HEAD SPACE ABSENT

**McC Campbell Analytical Inc.**



110 Second Avenue South, #D7  
 Pacheco, CA 94553-5560  
 (925) 798-1620

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 0308047

**Client:**

Reinholdt Engineering Construction  
 P.O.Box 271943  
 Concord, CA 94527-1943

TEL: (925) 689-8406  
 FAX: (925) 689-8407  
 ProjectNo: ACFA  
 PO:

Date Received: 8/5/03  
 Date Printed: 8/5/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW7010	V8021B/8015C	SW8260B			
0308047-001	1	Soil	8/5/03 3:19:00 PM	<input type="checkbox"/>		A	A	A			
0308047-002	2	Soil	8/5/03 3:31:00 PM	<input type="checkbox"/>		A	A	A			
0308047-003	3	Soil	8/5/03 3:55:00 PM	<input type="checkbox"/>		A	A	A			
0308047-004	4	Soil	8/5/03 4:03:00 PM	<input type="checkbox"/>		A	A	A			
0308047-005	5	Solid	8/5/03 4:10:00 PM	<input type="checkbox"/>	A		A	A			

Prepared by: Melissa Valles

**Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602. WITHIN CALIFORNIA, CALL 1-800-852-7550

1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
UNIFORM HAZARDOUS WASTE MANIFEST		CAL9121111258741101613		A. State Manifest Document Number		22541063	
3. Generator's Name and Mailing Address				B. State Generator's ID			
NAMED QUITS FINE GRINGS 4501 PLACENTIA BLVD PLACENTIA CA 92656							
4. Generator's Phone (951) 426-7687				C. State Transporter's ID (Required)			
5. Transporter 1 Company Name				D. Transporter's Phone (510) 476-1740			
CLEARWATER ENVIRONMENTAL				E. State Transporter's ID (Required)			
6. Transporter 2 Company Name				F. Transporter's Phone			
				G. State Facility's ID			
7. Designated Facility Name and Site Address				H. Facility's Phone			
ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO CA 95002				(510) 476-1740			
9. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Container No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number		
Oil FUELED WASTE LIQUID		0011	28	00065	G	223	
NON RCRA HAZARDOUS						EPA/Other	
						State	
						EPA/Other	
						State	
						EPA/Other	
						State	
						EPA/Other	
J. Additional Descriptions for Manifest listed Above				K. Handling Code for Waste listed Above			
11A.				a. 01/14			
				b.			
				c.			
				d.			
15. Special Handling Instructions and Additional Information							
WEAR PPE, EMERGENCY CONTACT: KIRK HAYWARD 510-476-1740 ERG #171							
OR 15 03 052							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are fully and accurately described above by proper shipping name and hazard classification, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and federal government regulations.							
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
17. Generator's Signature				Signature		Month Day Year	
Darin Reinhardt				Darin Reinhardt		08 15 01	
18. Transporter's Signature				Signature		Month Day Year	
KANE WARRIS				KANE WARRIS		08 15 01	
19. Discrepancy Indication Space							
20. Facility Name or Operator (Authorized Representative of Generator) (Required for all hazardous materials shipped by this manifest except as noted in item 17)							
VINCENT BOWEN				VINCENT BOWEN		08 15 01	

DO NOT WRITE BELOW THIS LINE.

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

## NO. 38022

CUSTOMER
JOB NO. 52T0665
REINHOLDT

Site: 4501 PLEASANTON  
Ave.  
PLEASANTON, CA

FOR: ECOLOGY CONTROL INDUSTRIES TANK NO. 30881

LOCATION: RICHMOND, CA DATE: 8/8/2003 TIME: 10:51:37

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT GASOLINE

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 2,000 GAL CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES  
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,  
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.  
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED  
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

### STANDARD SAFETY DESIGNATION

**SAFE FOR MEN:** Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

**SAFE FOR FIRE:** Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

James Wilcox  
REPRESENTATIVE

TITLE

Cheri Wilson  
INSPECTOR