Janice M. With Family Trust
4033 Terra Granada Dr., Unit 1B
Walnut Creek, CA 94595-4004

Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, suite 250
Alameda, California 94502

Re: Former C&L Trucking
2460 Wood Street, Oakland, CA

Dear Mr. Nowell:

I have read and acknowledge the content, conclusions and recommendations contained in the "*Groundwater Monitoring Report, Former C&L Trucking, 2460 Wood Street, Oakland, CA*", dated October 18, 2017 (RO0000510_GWM_R_2017-10-18), submitted on my behalf by Hydro Analysis, Inc.

Janice With — Oct 20, 2017

Janice With **(date)**
Responsible Party
Former C&L Trucking

HYDRO ANALYSIS, INC.

Environmental & Water Resources Engineering
Groundwater Consultants

GROUNDWATER MONITORING REPORT

FORMER C&L TRUCKING

2460 Wood Street
Oakland, California

October 18, 2017

514 El Cerrito Plaza, El Cerrito, CA 94530 Tel. 510-529-4980

TABLE OF CONTENTS

I. INTRODUCTION

The subject site is the Former C&L Trucking facility located at 2460 Wood Street, Oakland, California. The location of the site is shown in Figure 1.

The layout of the site is shown in Figure 2.

This report presents the results of development and sampling of monitoring well MW-1, as required by Alameda County Department of Environmental Health.

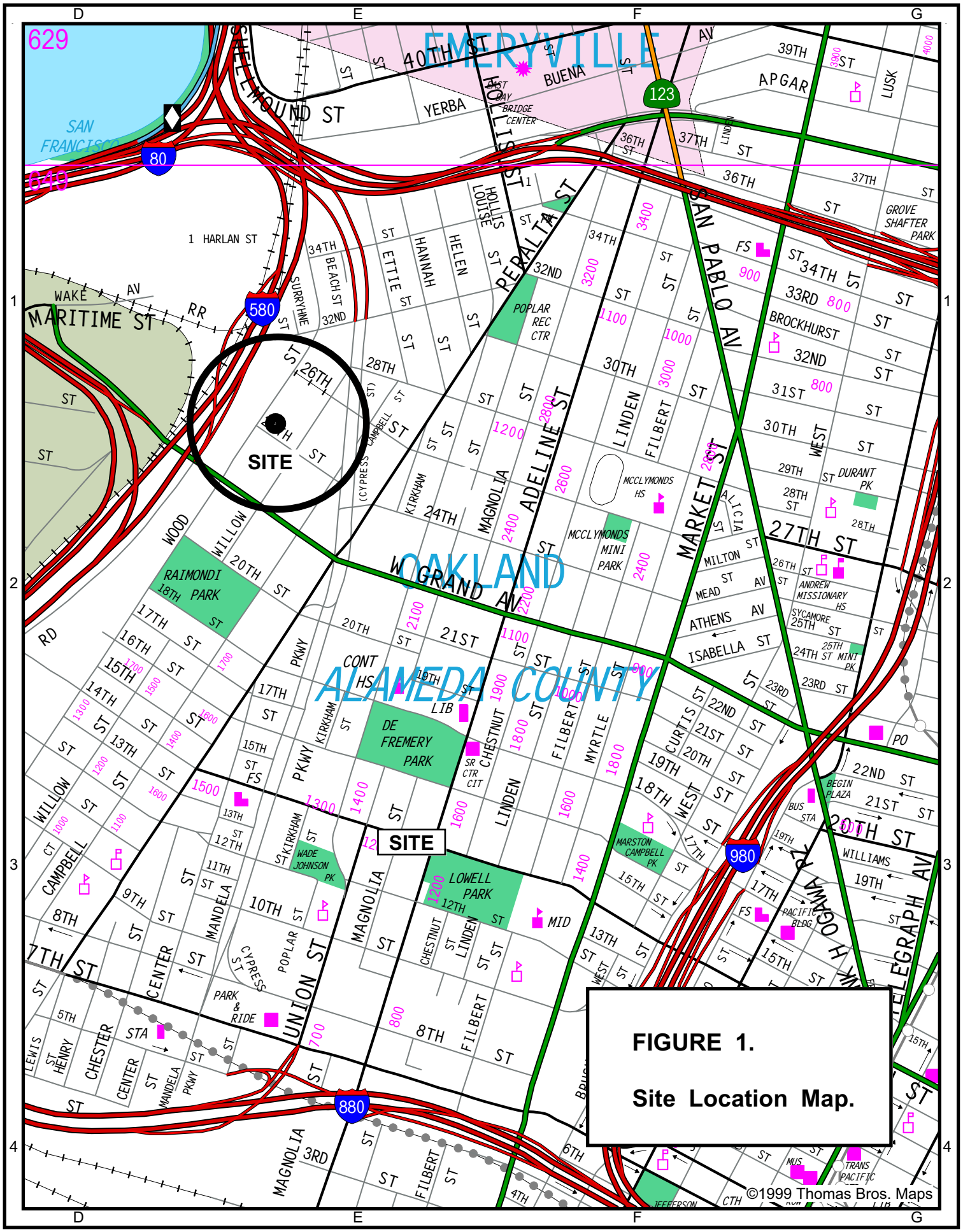


FIGURE 1.

Site Location Map.

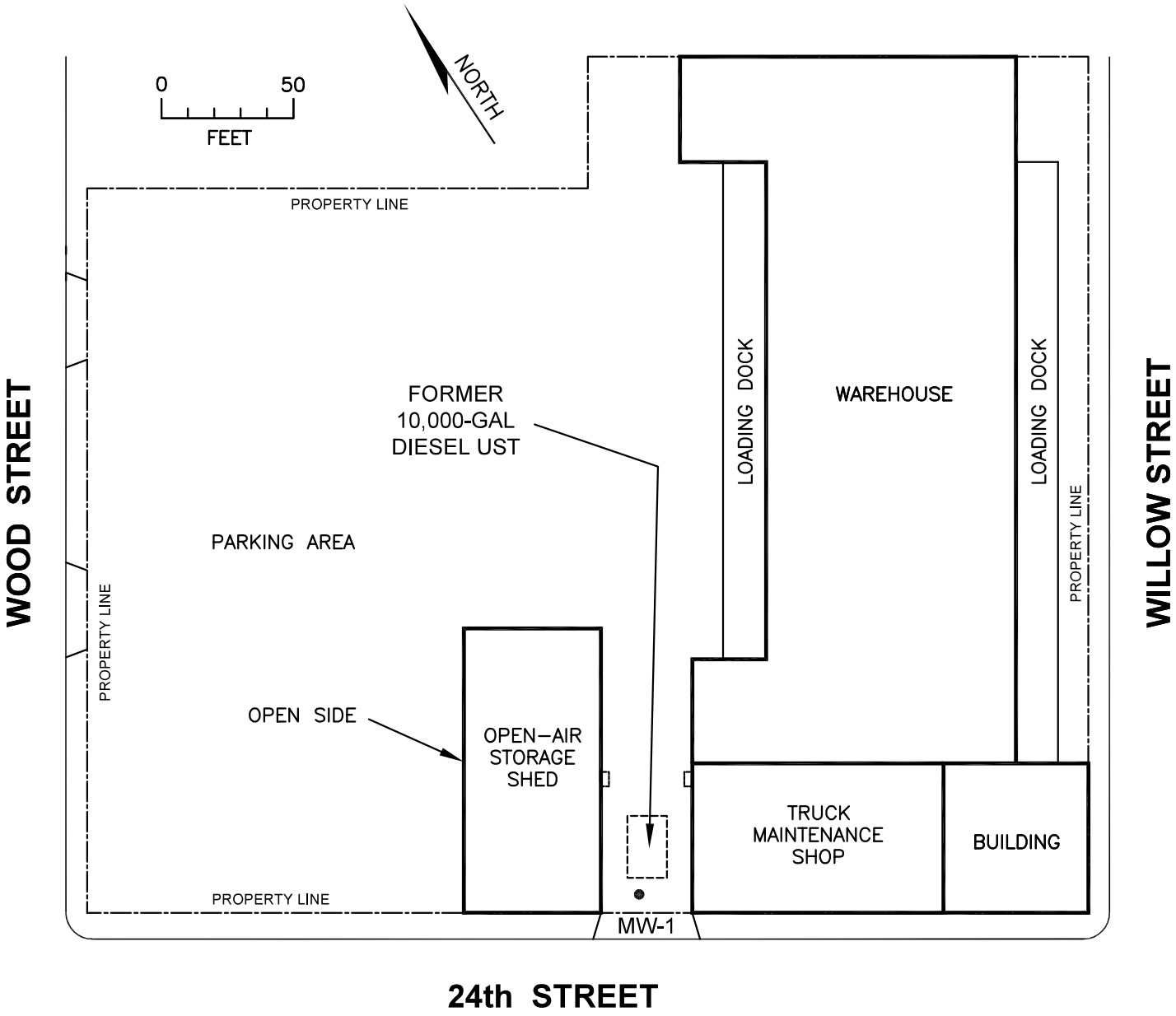


FIGURE 2.

Site Map.

II. PREVIOUS WELL SEARCH

Geophysical Survey

On July 11, 2017, a geophysical survey was conducted by Subdynamic Locating Services, Inc., San Jose, California. The survey utilized magnetometer, ground penetrating radar and underground utility RF frequency scanner technologies to determine the subsurface conditions within the driveway area surrounding the previous underground tank pit. Due to the presence of rebar in the concrete slab, the magnetometer proved to be ineffective.

As indicated in Figure 3, we were able to locate the extents of the underground tank pit and confirm that the underground product piping has been removed.

Although no existing wells could be specifically located, the geophysical survey identified an "area of interest" that could possibly be the location of an existing monitoring well that had been covered over.

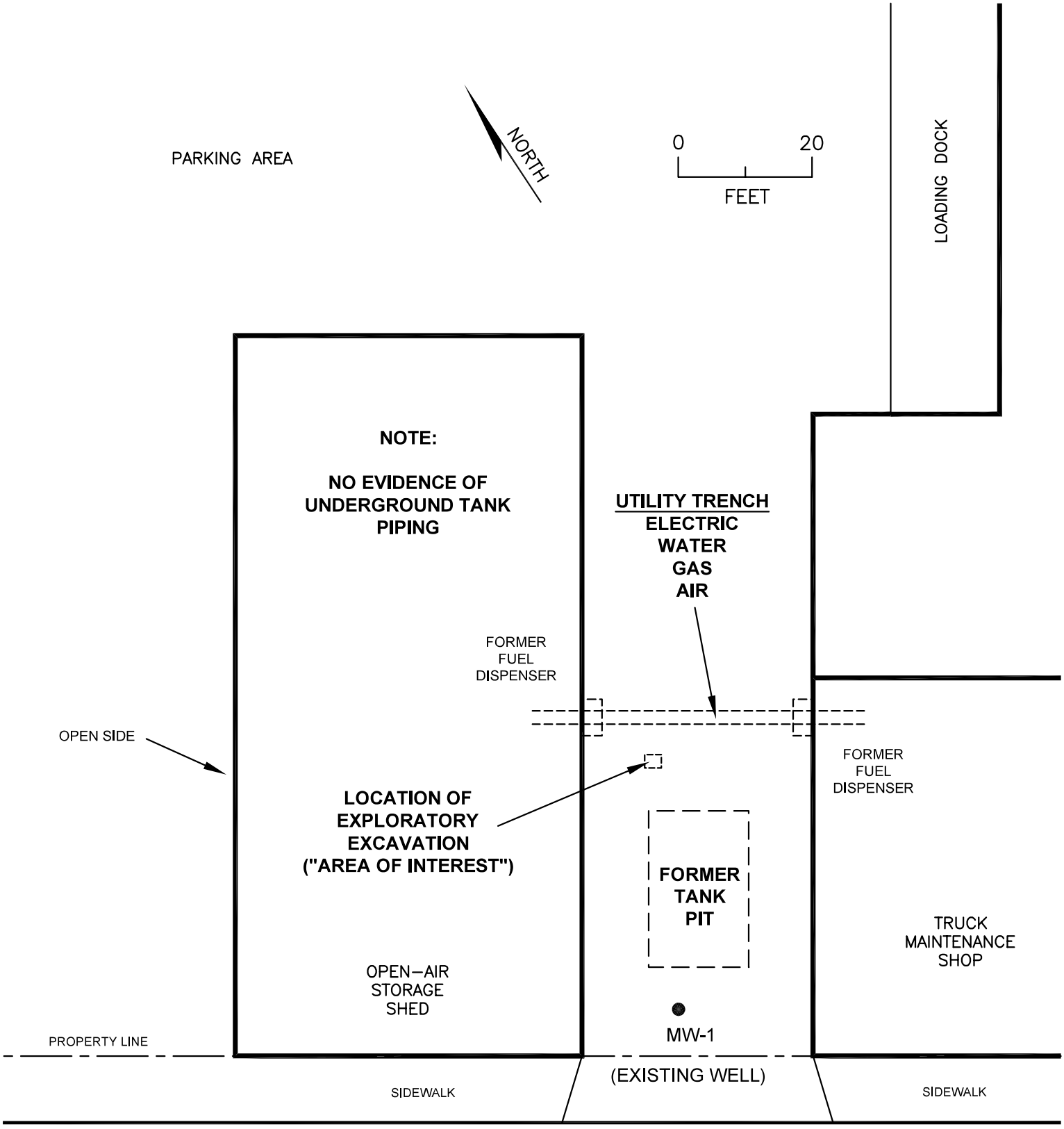


FIGURE 3.

Results of Geophysical Survey.

Exploratory Excavation

An “area of interest” was identified by the previous geophysical survey that could possibly be the location of an existing monitoring well that had been covered over. The location is indicated in Figure 3.

On August 4, 2017, a 2' x 2.5' rectangle of concrete was saw cut and removed at the location of the "area of interest". The 6" thick concrete slab was found to be underlain by a relatively thin sand base overlying very clayey soil. We dug down into what appeared to be native soil (approx. 18" bgs). No evidence of either sand pack material or a well casing was found. However, we did find a single large rock that was located immediately beneath the concrete slab. The location of the rock appeared to coincide with the identified "area of interest".

Results of Well Search

Based upon the results of the in-depth well search, we conclude that only well MW-1 exists on the site.

III. FIELD WORK

Determination of Well Construction

No boring log or other documentation of the installation of existing monitoring well MW-1 is available. Hydro Analysis, Inc., has conducted a field inspection of the well, which included 1) physical probing for the condition of casing, location of well screen and condition of bottom cap, and 2) use of down-hole camera to examine the well screen.

Based upon the field inspection by Hydro Analysis, Inc., a well construction diagram is provided in Attachment A.

Based upon the results of our field inspection, it appears that existing monitoring MW-1 is completely intact and the current shallow groundwater table is below the top of the well screen. We conclude that well MW-1 provides valid groundwater monitoring data.

Monitoring Well Development

On September 30, 2017, existing monitoring MW-1 was developed following procedures outlined in California DWR Bulletin 74-90. At regular intervals, the well was surged using a hand-operated piston surge block. Following each period of surging, groundwater and silt were removed using a PVC bailer.

The well development log is provided in Attachment A.

Monitoring Well Sampling

On October 2, 2017, existing monitoring well MW-1 was sampled. Prior to groundwater sampling, several casing volumes of water were purged using a low-flow submersible electric pump.

All water was pumped through a closed-system YSI 556 flow-through cell that continuously monitored field conductivity, temperature, DO, ORP and pH. As the purging process continued, the field-measured parameters were monitored. Purging was continued until the readings had reasonably stabilized: temperature: ± 3% of reading; specific electrical conductance (SEC): ± 3% of reading; oxidation-reduction potential (ORP): ± 10 millivolts; dissolved oxygen (DO): ± 0.3 milligrams per liter.

A groundwater sample was subsequently collected directly from the flow-through cell discharge line. The groundwater sample was placed inside 1-liter amber bottles and 40 ml vials free of any head space. The samples were immediately placed on crushed ice, then transported under chain-of-custody to the laboratory at the conclusion of the field work.

The well sampling log is provided in Attachment A.

Water Level Measurement

The shallow water table was measured in well MW-1 at a depth of 3.47 feet below the reference point at the top of the 4" PVC well casing.

Wastewater Generation

All water removed from the well during development, purging and sampling was drummed and is currently being stored on-site.

IV. SAMPLING RESULTS

Laboratory Analysis

All groundwater sample analyses were conducted by a California State certified laboratory in accordance with EPA recommended procedures. Laboratory analyses were conducted by Test America Laboratories in Pleasanton, California, in accordance with EPA recommended procedures.

The groundwater sample was analyzed for:

1) Total Petroleum Hydrocarbons as Diesel (method 8015M).
2) Total Petroleum Hydrocarbons as Gasoline (EPA method 8260)
3) Benzene, Toluene, Ethylbenzene and Total Xylenes (EPA method 8260)
4) MTBE (EPA method 8260)
5) Naphthalene (EPA method 8260)

Analytical Results: Groundwater

Table 1 presents the results of the laboratory analysis for the groundwater sample collected from monitoring well MW-1. The laboratory report is provided in Attachment B.

TABLE 1.

Groundwater Sampling Results

Well	Date	Diesel Range Organics (C5-C12) (µg/L)	Gasoline Range Organics (C5-C12) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
MW-1	10/2/2017	**530**	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1	ND < 0.5	ND < 1

ND= not detected

V. DATA ANALYSIS

As evidenced by the results of the geophysical survey, well MW-1 is in very close proximity to the former underground tank pit. Considering that the current water table is only a little more than 3 feet below ground surface, we expect the sampling data from well MW-1 to be representative of the water quality within the former tank pit, as well as within a reasonable area surrounding the tank pit. Although no additional groundwater monitoring points are currently available on the site, well MW-1 may be adequate to serve as the sole groundwater monitoring point for the site, considering its physical location and the extremely shallow groundwater that is present beneath the site.

The results of laboratory analysis indicate that only 530 µg/L (ppb) of TPH-d is present in the shallow groundwater, with no detections of either TPH-g, BTEX, MTBE or Naphthalene. Based upon these analytical data, the site would meet the media-specific criteria for closure under the "*Low-Threat Underground Storage Tank Case Closure Policy*" (LTCP) that was implemented by the SWRCB on August 17, 2012.

VI. CONCLUSIONS & RECOMMENDATIONS

Based upon the data presented in this report, it can be concluded that 1) only well MW-1 exists on the site, 2) well MW-1 is completely intact and provides valid groundwater monitoring data, 3) well MW-1 may be adequate to serve as the sole groundwater monitoring point for the site, considering its physical location and the extremely shallow groundwater that is present beneath the site, and 4) the site would meet the media-specific criteria for LTCP closure, based upon the most recent groundwater sampling data.

Based upon our analysis of available data, we recommend the following course of action:

1) Conduct periodic groundwater monitoring throughout the up-coming water year in order to identify concentration trends and to assess plume stability.

2) After a reasonable period of groundwater monitoring, assess the site for closure under the LTCP criteria. If the assessment identifies data gaps for LTCP closure, provide a work plan for additional investigation at the site.

GROUNDWATER MONITORING REPORT

FORMER C&L TRUCKING

2460 Wood Street, Oakland, California

October 18, 2017

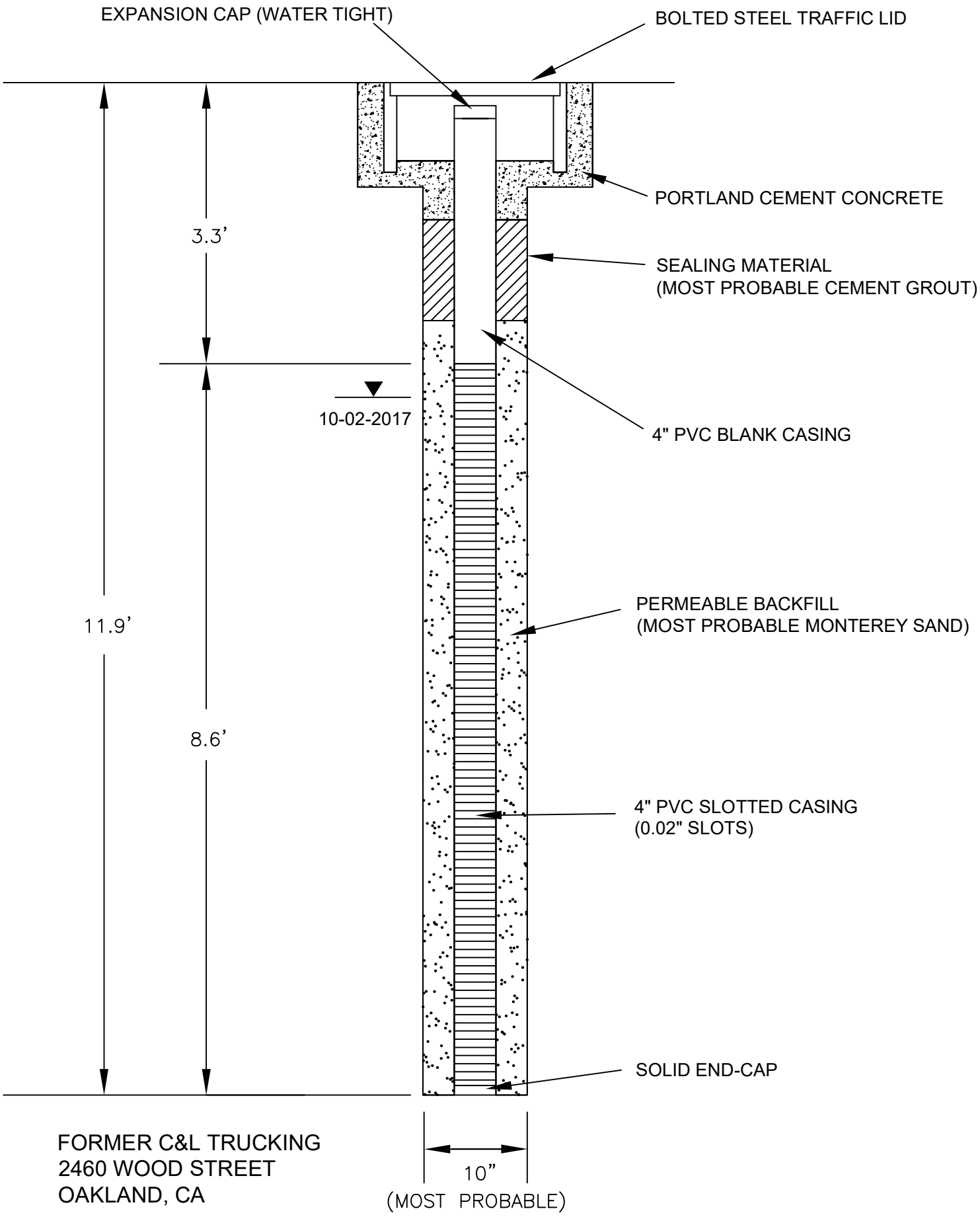
EXP. 9-30-2019

Gary Aguiar **RCE 34262**

ATTACHMENT A

Well Construction Diagram

MONITORING WELL MW-1



FORMER C&L TRUCKING
2460 WOOD STREET
OAKLAND, CA

ATTACHMENT B

Well Development and Sampling Logs

WELL DEVELOPMENT LOG

Site Location	C&L Trucking	Date	09/30/2017	Page	1 of 1
Well Number	MW-1	Weather	Sunny, Clear, 19-21 °C	Time Began	10:38
Well Diameter	4"	Sampling Personnel	RKW	Time Finished	11:16

Total Sounded Depth of Well Below T.O.C.	11.69'	Evacuation Method:			
- Depth to Water Below T.O.C.	3.48'	PVC Bailer	X	Free Product	None
= Water Column in Well	8.21'	Disposable		Floating Debris	None
x Casing Diameter Multiplier	0.653	Pump			
= Gallons in Casing	5.36	Other	Septic odor		

FIELD PARAMETERS

Time	(24 hr)	10:42	10:48	10:55	11:29	11:33	11:36	
Surge Time	(minutes)	None	2 minutes	2 minutes	3 minutes	None	None	
Volume Removed	(gallons)	5	10	15	20	25	30	
Temperature	(°C)	23.2	23.3	23.6	23.5	23.8	23.8	
Conductivity	(µS/cm)	6,110	4,355	4,112	3,990	3,907	3,887	
pH		7.12	7.22	7.17	7.18	7.16	7.17	
Color / Odor		Black	Dark Gray	Gray	Gray	Gray	Gray	
Turbidity		High	Very High	High	High	Medium	Medium	
Other	(feet)	Septic odor	None	None	None	None	None	
Dewatered?	(Y / N)	No	No	No	No	No	No	
Recharge Time	(minutes)	0	0	0	22 minutes	0	0	

Comments: Recharge time on 4th reading was due to recovery of lost portion of surge tool. Very little draw down.

WELL SAMPLING LOG

Site Location: C&L Trucking | Date: 10/02/2017 | Page: 1 of 1

Well Number: MW-1 | Weather: Sunny, Clear 21-22 °C | Time Began: 11:47

Well Diameter: 4" | Sampling Personnel: RKW | Time Finished: 12:01

EVACUATION DATA

		Evacuation Method		Sample Method	
Total Sounded Depth Of Well Below Top Of Casing (T.O.C.)	11.69 '				
- Depth to Water Below MP	3.47 '	PVC Bailer		Evacuation Bailer	
= Water Column in Well	8.22 '	Disposable Bailer		Disposable Bailer	X
x Casing Diameter & Multiplier	0.653 gal / ft	Pump	X	Pump	
= Gallons in Casing	5.37 Gallons	Other		Other	
Gallons Pumped Prior to Sampling	18 Gallons	Free Product Observed	None	Samples Filtered	No

SAMPLE BOTTLES COLLECTED: VOA's 3 | AMBER 2 | PLASTIC 0 | SPECIAL 0

SAMPLING DATA / FIELD PARAMETERS

Time	(24 hr)	11:49	11:51	11:53	11:55	11:57	11:59	
Volume Removed	(gallons)	3	6	9	12	15	18	
Temperature	(°C)	20.75	20.76	20.74	20.75	20.75	20.75	
Conductivity	(µS/cm)	3,775	3,761	3,860	3,869	3,865	3,875	
pH		7.06	7.10	7.13	7.14	7.13	7.14	
Color		Gray	Gray	Yellow	Yellow	Yellow	Yellow	
Turbidity		Low	Low	Low	Low	Low	Low	
Product	(feet)	None	None	None	None	None	None	
DO / ORP	(mg/L)/(mV)	2.93 / -134.7	2.71 / -140.7	2.42 / -146.3	2.21 / -149.6	2.10 / -150.1	2.03 / -150.4	

Comments: Flow through cell used.

ATTACHMENT C

Analytical Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-82327-1
Client Project/Site: C & L Trucking

For:
Hydro Analysis
514 El Cerrito Plaza
El Cerrito, California 94530

Attn: Gary Aquiar

Authorized for release by:
10/10/2017 11:24:13 AM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-82327-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-82327-1

Comments
No additional comments.

Receipt
The sample was received on 10/2/2017 5:14 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7º C.

Receipt Exceptions

One of the amber containers have a sample collection date of 10/01/2017, The sample collection date is logged as per the COC.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Client Sample ID: MW-1

Lab Sample ID: 720-82327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	530		50		ug/L	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Client Sample ID: MW-1
Date Collected: 10/02/17 12:01
Date Received: 10/02/17 17:14

Lab Sample ID: 720-82327-1
Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C4-C12	ND		50		ug/L			10/09/17 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*76 - 132*		*10/09/17 14:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/09/17 14:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 128*		*10/09/17 14:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/09/17 14:48	1
Benzene	ND		0.50		ug/L			10/09/17 14:48	1
Ethylbenzene	ND		0.50		ug/L			10/09/17 14:48	1
Naphthalene	ND		1.0		ug/L			10/09/17 14:48	1
Toluene	ND		0.50		ug/L			10/09/17 14:48	1
Xylenes, Total	ND		1.0		ug/L			10/09/17 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*10/09/17 14:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 128*		*10/09/17 14:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/09/17 14:48*	*1*
Dibromofluoromethane (Surr)	*96*		*76 - 132*		*10/09/17 14:48*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**530**		50		ug/L		10/06/17 16:14	10/09/17 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*65*		*23 - 156*	*10/06/17 16:14*	*10/09/17 11:41*	*1*

Surrogate Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(80-128)	(80-120)	(76-132)
720-82327-1	MW-1	94	106	100	96
LCS 440-433802/5	Lab Control Sample	90	96	100	96
MB 440-433802/4	Method Blank	95	109	102	94

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(76-132)	(80-120)	(80-128)
720-82327-1	MW-1	96	100	106
LCS 440-433803/6	Lab Control Sample	98	102	102
MB 440-433803/4	Method Blank	94	102	109

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		PTP1
Lab Sample ID	Client Sample ID	(23-156)
720-82327-1	MW-1	65
LCS 720-231691/2-A	Lab Control Sample	101
LCSD 720-231691/3-A	Lab Control Sample Dup	100
MB 720-231691/1-A	Method Blank	96

Surrogate Legend

PTP = p-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-433802/4
Matrix: Water
Analysis Batch: 433802

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/09/17 11:59	1
Benzene	ND		0.50		ug/L			10/09/17 11:59	1
Ethylbenzene	ND		0.50		ug/L			10/09/17 11:59	1
Naphthalene	ND		1.0		ug/L			10/09/17 11:59	1
Toluene	ND		0.50		ug/L			10/09/17 11:59	1
Xylenes, Total	ND		1.0		ug/L			10/09/17 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*10/09/17 11:59*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*10/09/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/09/17 11:59*	*1*
Dibromofluoromethane (Surr)	*94*		*76 - 132*		*10/09/17 11:59*	*1*

Lab Sample ID: LCS 440-433802/5
Matrix: Water
Analysis Batch: 433802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.3		ug/L		97	63 - 131
Benzene	25.0	25.5		ug/L		102	68 - 130
Ethylbenzene	25.0	26.0		ug/L		104	70 - 130
Naphthalene	25.0	26.1		ug/L		105	60 - 140
Toluene	25.0	25.5		ug/L		102	70 - 130
m-Xylene & p-Xylene	25.0	26.0		ug/L		104	70 - 130
o-Xylene	25.0	25.2		ug/L		101	70 - 130
Xylenes, Total	50.0	51.2		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*96*		*80 - 128*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*76 - 132*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-433803/4
Matrix: Water
Analysis Batch: 433803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C4-C12	ND		50		ug/L			10/09/17 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*76 - 132*		*10/09/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/09/17 11:59*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*10/09/17 11:59*	*1*

Lab Sample ID: LCS 440-433803/6
Matrix: Water
Analysis Batch: 433803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C4-C12			500	459		ug/L		92	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 132*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 128*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-231691/1-A
Matrix: Water
Analysis Batch: 231713

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		10/06/17 16:14	10/07/17 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*96*		*23 - 156*	*10/06/17 16:14*	*10/07/17 13:54*	*1*

Lab Sample ID: LCS 720-231691/2-A
Matrix: Water
Analysis Batch: 231713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231691

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	2120		ug/L		85	34 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*101*		*23 - 156*

Lab Sample ID: LCSD 720-231691/3-A
Matrix: Water
Analysis Batch: 231713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 231691

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	2060		ug/L		83	34 - 115	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*100*		*23 - 156*

QC Association Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

GC/MS VOA

Analysis Batch: 433802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-82327-1	MW-1	Total/NA	Water	8260B	
MB 440-433802/4	Method Blank	Total/NA	Water	8260B	
LCS 440-433802/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 433803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-82327-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-433803/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-433803/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 231691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-82327-1	MW-1	Total/NA	Water	3510C	
MB 720-231691/1-A	Method Blank	Total/NA	Water	3510C	
LCS 720-231691/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-231691/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 231713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-231691/1-A	Method Blank	Total/NA	Water	8015B	231691
LCS 720-231691/2-A	Lab Control Sample	Total/NA	Water	8015B	231691
LCSD 720-231691/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	231691

Analysis Batch: 231744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-82327-1	MW-1	Total/NA	Water	8015B	231691

Lab Chronicle

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Client Sample ID: MW-1
Date Collected: 10/02/17 12:01
Date Received: 10/02/17 17:14

Lab Sample ID: 720-82327-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	433802	10/09/17 14:48	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	433803	10/09/17 14:48	RM	TAL IRV
Total/NA	Prep	3510C			231691	10/06/17 16:14	NDU	TAL PLS
Total/NA	Analysis	8015B		1	231744	10/09/17 11:41	JXL	TAL PLS

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-17 *
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-18
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Hydro Analysis
Project/Site: C & L Trucking

TestAmerica Job ID: 720-82327-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-82327-1	MW-1	Water	10/02/17 12:01	10/02/17 17:14

720-82327

178768

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NAME AND ADDRESS:
C&L Trucking
2460 Wood Street
Oakland
T0600102253

SAMPLER (Signature)
Randal Wilson

HYDRO ANALYSIS, INC.
514 El Cerrito Plaza
El Cerrito, CA 94530
(510) 529-4980 (510) 529-4990
LogCode: HAIE

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	AIR	WATER	SAMPLE LOCATION	TPH-Gasoline	BTEX	MTBE	Naphthalene	TPH-Diesel	REMARKS
MW-1	10/02/2017	12:01			X	Monitor Well # MW-1	X	X	X	X	X	3x HCl VOAs 2x 1ltr Amber

720-82327 Chain of Custody

TURNAROUND TIME: 5 DAY

EDF/EDD FILES: (Y) N

email report to: Randal@HydroAnalysis.com, Gary@HydroAnalysis.com

RELINQUISHED BY: (Signature) Randal Wilson	DATE 10/02/2017 TIME 17:14	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVING LABORATORY (Signature or Stamp)	DATE 10-2-17 TIME 1714

4.7°

10/10/2017

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):	COC No: 720-35696.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com	State of Origin: California	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - California		Job #: 720-82327-1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 10/6/2017			
City: Irvine	TAT Requested (days):			
State, Zip: CA, 92614-5817	PO #:			
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	WO #:			
Email:	Project #: 72012940			
Project Name: C & L Trucking	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/CA_LUFTMS/5030B C4-C12 Volatile Fuel Hydrocarbons	8260B_LL/5030B BTEX/MTBE/ Nap	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1 (720-82327-1)	10/2/17	12:01 Pacific		Water			X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment: Fed: 4106 3057 5790		
Relinquished by:	Date/Time: 10/3/17 1550	Company	Received by:	Date/Time: 10/4/17 9:35	Company TAP	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: (cs) 2.9/3.6 IR-66

10/10/2017

Login Sample Receipt Checklist

Client: Hydro Analysis

Job Number: 720-82327-1

Login Number: 82327

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Hydro Analysis

Job Number: 720-82327-1

Login Number: 82327
List Number: 2
Creator: Salas, Margarita

List Source: TestAmerica Irvine
List Creation: 10/04/17 04:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	