



RECEIVED

By Alameda County Environmental Health at 1:45 pm, Feb 02, 2015

January 26, 2015

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

SITE: Roy Anderson Paints
3080 Broadway
Oakland, California 94611
LOP Case# RO140
Geotracker Global ID: T0600101621

RE: Report for Groundwater Sampling

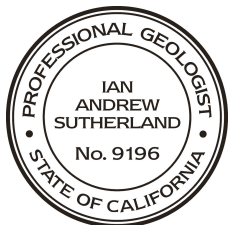
Dear Ms. Detterman,

On behalf of Mr. Jerry Shirar, ACC Environmental Consultants, Inc. would like to present to you this Report for Groundwater Monitoring for 3080 Broadway in Oakland, California. Per agency requirements this report will be uploaded to the Geotracker database and the Alameda County Environmental Health FTP site. If you have any questions or comments regarding this work please contact (510) 638-8400 x110 or isutherland@accenv.com.

Sincerely,
ACC ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in black ink, appearing to read 'Ian Sutherland'.

Ian Sutherland, PG
Project Geologist



1.0 INTRODUCTION

On behalf of Mr. Gerald Shirar (Client), ACC Environmental Consultants, Inc. (ACC) has prepared this Report For Groundwater Sampling for Roy Anderson Paints at 3080 Broadway in Oakland, California (the Site). The purpose of the sampling event was to assess dissolved metals concentrations in groundwater at the location of monitoring well MW-1 (Figure 2). This sampling event was requested by Alameda County Environmental Health (ACEH) via the written directive attached as Appendix A.

2.0 BACKGROUND

The Site is situated between Broadway and Brook Street in Oakland, California (Figures 1 & 2). A 350-gallon waste oil underground storage tank (UST) was removed from the sidewalk along Brook Street during 1993.

Versar, Inc. prepared a report for *Underground Storage Tank Closure* (October 12, 1993) documenting the tank removal activities. During the tank removal, two small holes in the UST and free-phase petroleum hydrocarbons in the excavation were observed. Soil sample analysis revealed concentrations of total oil & grease up to 140 milligrams per kilogram (mg/kg) and diesel-range total petroleum hydrocarbons (TPH-d) up to 23 mg/kg at a depth of 8 feet below ground surface (ft bgs) at the location of the former UST.

All West Environmental, Inc. prepared a report for *Groundwater Monitoring Well* (July 24, 1994). One groundwater monitoring well was installed down-gradient and in the near vicinity of the former UST (Figure 2). The well extends to 40 ft bgs and is screened from 18 to 38 ft bgs. Soil samples were collected at 21 and 26 ft bgs during the well installation. Gasoline-range TPH (TPH-g) and the gasoline constituent benzene were detected in groundwater at respective concentrations of 480 and 8 micrograms per liter ($\mu\text{g/L}$).

3.0 GROUNDWATER MONITORING WELL SAMPLING

3.1 Sampling

On December 16, 2014 Blaine Tech Services, Inc. (Blaine) was subcontracted to sample well MW-1, which included measuring the depth-to-groundwater, evaluating groundwater in each well for the presence of free product, and purging the wells in preparation for sampling and subsequent laboratory analysis of groundwater samples. Groundwater monitoring field forms are attached as Appendix B.

Prior to purging, the depth-to-groundwater was measured from the top of the well casing using a Solinst water level meter and recorded to the nearest hundredth of a foot. Multiple readings were collected in order to confirm that the water level had equilibrated within the well. Based on the Blain

field notes attached as Appendix B, groundwater stabilized at 22.21 feet below the top of the well casing.

Subsequent to measuring groundwater levels, a minimum of three well volumes were purged using a disposable plastic bailer and the stabilization of groundwater chemical parameters was observed (temperature, pH and conductivity). The sample was then collected using a disposable plastic bailer and filtered in the field using a 0.45-micron filter prior to placing the sample in a laboratory-supplied 250-milliliter polyethylene bottle containing nitric acid as a preservative. The sample was subsequently stored on ice in a cooler and transported to the laboratory in accordance with standard chain-of-custody protocol.

No sheen or free product was observed during this well sampling event.

3.2 Groundwater Analytical Results

Samples were delivered to McCampbell Analytical, Inc. in Pittsburg, California. Samples were analyzed for dissolved cadmium, chromium, lead, nickel and zinc by analytical method E200.8. Analytical results are tabulated in Table 1 below. The complete laboratory report and chain-of-custody are attached as Appendix C.

Table 1
Groundwater Analytical Results for Dissolved Metals ($\mu\text{g/L}$)
3080 Broadway, Oakland, California

Sample ID	Sample Date	Cadmium	Chromium	Lead	Nickel	Zinc
MW-1	12.16.14	ND<0.25	ND<0.50	1.1	6.1	ND<15
ESLs (Drinking Water)		0.25	50	2.5	8.2	81
<i>$\mu\text{g/L}$ = micrograms per liter; ESLs = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for groundwater that is a potential drinking water resource (Table F-1a, December 2013).</i>						

4.0 RECOMMENDATIONS

Concentrations of dissolved cadmium, chromium, lead, nickel and zinc detected in MW-1 did not exceed San Francisco Bay Regional Water Quality Control Board groundwater screening levels for groundwater that is a potential drinking water resource. No additional sampling is recommended by ACC at this time.

ACC observed that the bolt tabs on the MW-1 monitoring well cover are stripped. Blaine has been subcontracted to rethread the tabs and replace the well box gasket. ACEH will be notified when the repairs have been completed.

Attachments:

Figure 1 – Site Vicinity Map

Figure 2 – Site Map

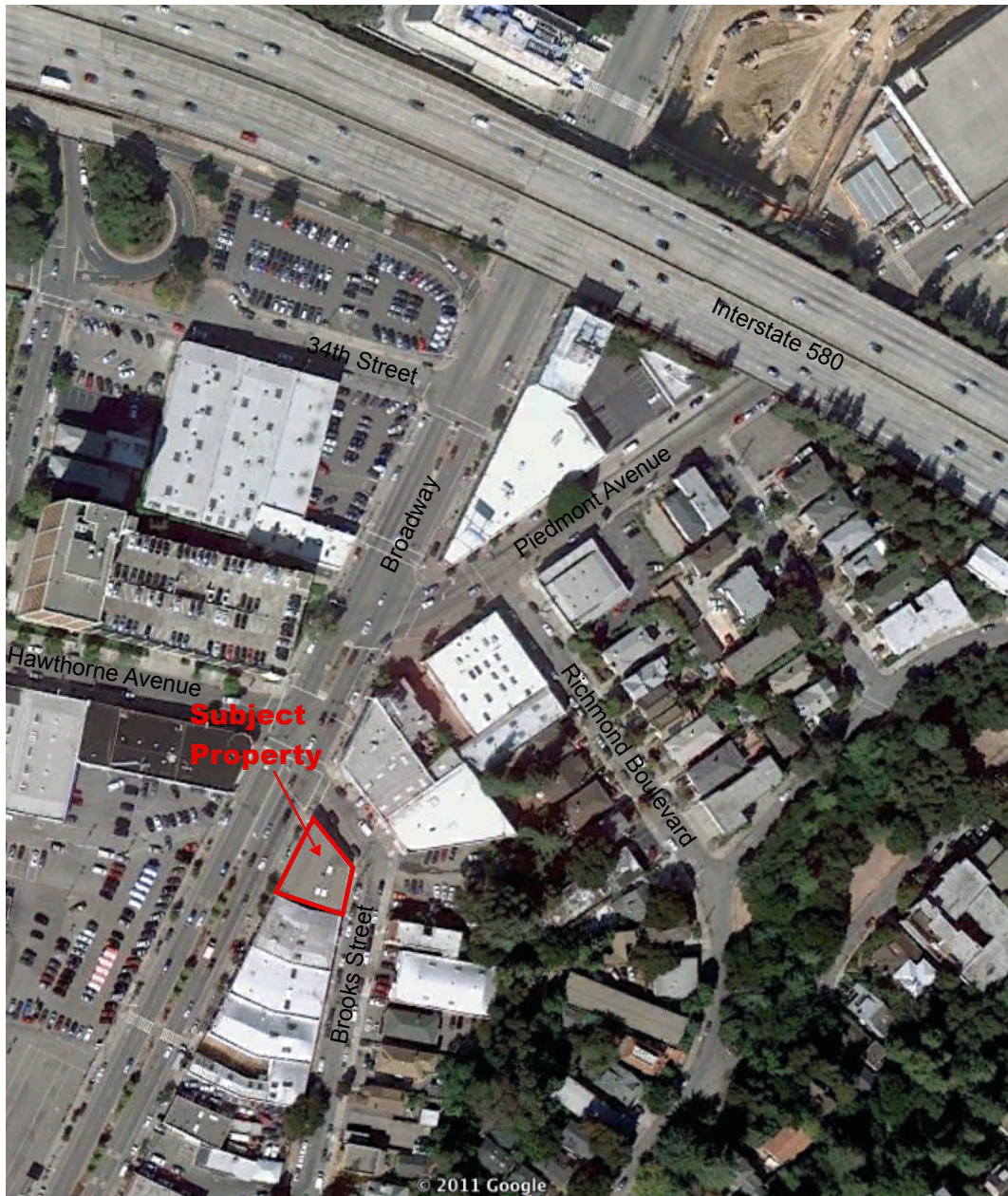
Appendix A – Agency Correspondence

Appendix B – Groundwater Monitoring Field Forms


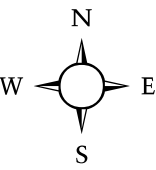
Appendix C – Laboratory Report & Chain-of-Custody

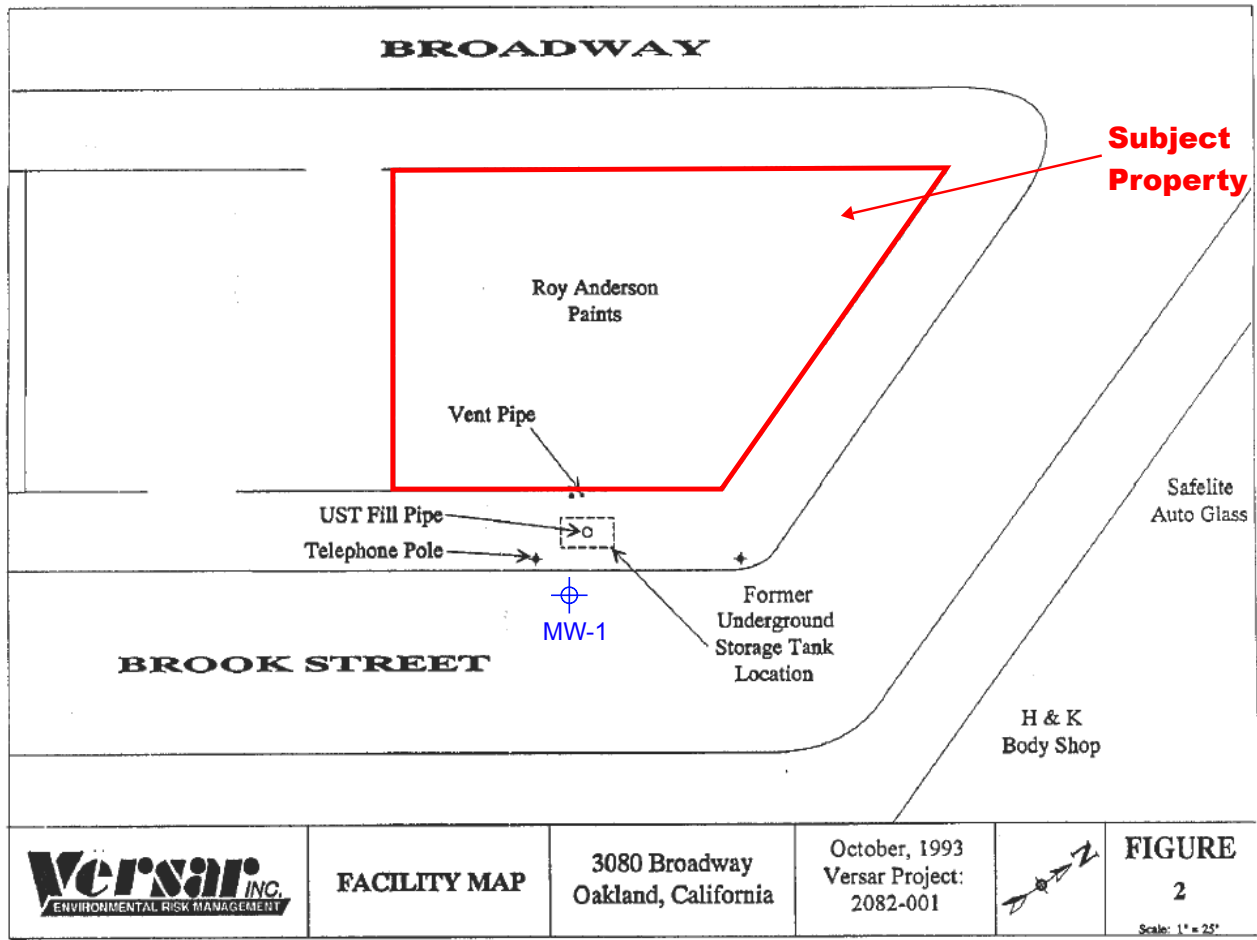
Appendix D – Perjury Statement

FIGURES 1 & 2



Source: Google Earth, 2011

Title Location Map 3080 Broadway Oakland, California	
Figure Number: 1	Scale: None
Project Number: 6989-001.00	Drawn By: GS
 An Employee Owned Company	Date: 10/20/11
	



	FACILITY MAP	3080 Broadway Oakland, California	October, 1993 Versar Project: 2082-001		FIGURE 2 Scale: 1" = 25'
--	---------------------	--------------------------------------	--	--	--

Source: Versar Inc. 1993

Monitoring Well Location

Title: Site Plan 3080 Broadway Oakland, California	
Project Number: 6989-001.00	Scale: None
Figure Number: 2	Drawn By: GS
Date: 10/20/11	
An Employee Owned Company	

APPENDIX A

AGENCY CORRESPONDENCE

From: [Detterman, Karel, Env. Health](#)
To: ["Gerald Shirar"](#)
Cc: [Roe, Dilan, Env. Health](#)
Subject: FW: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611
Date: Thursday, October 30, 2014 5:35:22 PM
Attachments: [Attachment 1 and ftpUploadInstructions 2014-05-15.pdf](#)
[Table 1 E-mail attachment.pdf](#)
[Table 3 E-mail attachment.pdf](#)

Hello Jerry:

Thank you for participating in the meeting with Alameda County Environmental Health (ACEH) at our office today for a discussion of your case.

ACEH staff has reviewed the case file including ACC Environmental Consultants (ACC's) *Groundwater Monitoring and Compliance Report* (Report) dated October 24, 2011, and the following bulleted list summarizes the main discussion topics during the meeting:

1. Based on our analysis of data, the groundwater concentrations of total petroleum hydrocarbons detected during the 9/12/2011 sampling event may be attributed to the off-site migration of the upgradient contaminant plume from Connell Oldsmobile, 3093 Broadway, Oakland (Fuel Leak case RO0000199) through the vicinity of Roy Anderson's Groundwater Monitoring Well (MW)-1;
2. A non-culvertized section of Glen Echo Creek is located 125 feet downgradient (northeast and east) of the site;
3. Soil samples collected and analyzed during the underground storage tank removal in 1993 indicated concentrations of chromium, nickel, lead, and zinc (see attached Table 3) in the sample from 6 feet below ground surface (bgs), but below laboratory detection limits in a sample from 8 feet bgs;
4. Well MW-1 was installed adjacent to the former UST location in 1994, but neither soil or groundwater samples were analyzed for metals;
5. MW-1 was redeveloped in 2011; all metal detections for the analyzed metals (cadmium, chromium, nickel, lead, and zinc) in groundwater exceeded the San Francisco Bay Regional Water Quality Control Board's Environmental Screening Levels (ESLs) and may indicate a secondary source of metals in the vicinity of the former UST (see attached Table 1);
6. A footnote at the bottom of the Report's Table 1 *Groundwater Analytical Table* indicated that metal analysis for these samples was run on unfiltered groundwater; however the Report does not describe if the groundwater samples were preserved with acid. If the groundwater samples were unfiltered and acidified, the acid can leach metals out of the sediment resulting in elevated metal results and ESL exceedance.

TECHNICAL COMMENTS

-

1. **Groundwater Monitoring Well Sampling:** ACEH requests a groundwater monitoring and sampling event to verify metal concentrations.
 - a. Prior to sampling the well, ACEH first requests submittal of a detailed description of groundwater sampling protocols including sampling procedures for metals including, but not limited to, the type and volume of sample container and whether or not the bottles are acidified. Please

submit the sampling protocols by e-mail to my attention
(karel.detterman@acgov.org).

- b. Upon ACEH's review, comment, and approval of the sampling protocols, the consultant may sample MW-1. Please prepare and submit a technical report by the deadline provided below.

- 2. Verification of Groundwater Monitoring Well Repair** – Please request your consultant to document in the technical report requested below that the well box for MW-1 was repaired and the well cap was replaced. Securing the well should minimize the potential for surface water runoff and/or illegally dumped contaminants entering the well, thereby raising the question of the reliability of all analytical data from the only site well.

TECHNICAL REPORT REQUEST

Please upload the technical report to the ACEH ftp site (Attention: Karel Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the following specified file naming convention and schedule:

- **December 31, 2014** –Groundwater Monitoring and Sampling Letter Report
File to be named: RO140_GWM_R_yyyy-mm-dd

This report is being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Detterman, Karel, Env. Health
Sent: Thursday, October 30, 2014 12:39 PM
To: 'Gerald Shirar'
Cc: Roe, Dilan, Env. Health
Subject: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611

Hi Jerry:

I just read footnote number 1 at the bottom of ACC's Table 1 "Groundwater Analytical Table" that

says "metal analysis for these samples was run on *unfiltered groundwater*".

I will send you the directive e-mail this afternoon.

Thank you,

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>



Table 3
Summary of Heavy Metal Soil Sample Analytical Results
3080 Broadway Street, Oakland, California

<u>Constituent</u>	<u>Sample Depth (Feet)</u>		<u>Mean concentration</u> <u>for conterminous</u> <u>Western USA</u>	<u>TTLC</u>	<u>STLC</u> <u>(mg/L)</u>
	<u>6</u>	<u>8</u>			
Cadmium	<1.0	<1.0	<1	100	1.0
Chromium	31	<5	41	2500	560
Nickel	53	<10	15	5000	20
Lead	17	<5	17	1000	5.0
Zinc	23	<20	55	5000	250

All results are in mg/kg unless otherwise indicated.

Mean concentrations obtained from USGS Professional Paper 1270, 1984, except for Cadmium.

Cadmium value from W.L. Lindsay, "Chemical Equilibria in Soils," 1979, Wiley.

TTLC = Total Threshold Limit Concentration, CCR Title 22.

STLC = Soluble Threshold Limit Concentration, CCR Title 22.

TABLE 1
Groundwater Analytical Summary Table
3080 Broadway
Oakland, California
6989-001.00

Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)																								
			Volatile Fuel Hydrocarbons														SVOCs		Metals								
			TPH4	TPH4	Benzene	n-Butylbenzene	sec-Butylbenzene	1,2-Dibromobenzene	Ethylbenzene	Isopropylbenzene	4-Isopropylbenzene	Naphthalene	1-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	TBA	DPE	Naphthalene	PCBs	Total Oil & Grease	Cadmium	Chromium	Nickel	Lead	Zinc
MW-1	12-Sep-11	Water	470	3900	1000	6.6	2.8	2.3	330	20	1.2	98	42	200	170	46	620	440	92	9.2	<0.52	<5200	4.2	130	180	20	180
MW-1	7/11/84	Water	<50	480	8.00	N/A	N/A	N/A	2.40	N/A	N/A	N/A	N/A	6.10	N/A	N/A	8.30	N/A	N/A	N/A	N/A	<0.05	N/A	N/A	N/A	N/A	N/A
**ESLs - Final Groundwater Screening Level	Groundwater is not a Current or Potential Source of Drinking Water	Water	210	210	46	NA	NA	200	43	NA	NA	24	NA	130	NA	NA	100	18000	NA	24	0.01	NA	0.25	11	8.2	2.5	81
PRG's	MCLs	Water	NA	NA	5	NA	NA	5	700	NA	NA	NA	NA	1000	NA	NA	10000	NA	NA	NA	0.5	NA	5	100	NA	15	NA

Notes

**ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water

PRG=EPA Region 9 Preliminary Remediation Goal (November 2003)

MCLs=Maximum Contaminant Levels

¹Metals analysis for these samples was run on unfiltered groundwater.

Shaded Values Exceed Their Respective Criteria

NA= Not Applicable

N/A= Not Analyzed

ND= None Detected

APPENDIX B

**GROUNDWATER MONITORING
FIELD FORMS**

WELL MONITORING DATA SHEET

Project #: 14216-ww1	Client: ACC
Sampler: ww	Date: 12/16/14
Well I.D.: Mw-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 39.62	Depth to Water (DTW): 22.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.69	

Purge Method: Bailer Waterra Sampling Method: (Bailer) (2)
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

$2.8 \text{ (Gals.)} \times 3 = 8.4 \text{ Gals.}$ <p style="font-size: small; margin: 0;">I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1240	19.9	7.74	344	>1000	2.8	odor, gray
1245	19.7	7.24	459	>1000	5.6	"
1252	19.2	7.17	459	>1000	8.4	"

Did well dewater? Yes No Gallons actually evacuated: 8.4

Sampling Date: 12/16/14 Sampling Time: 1255 Depth to Water: 25.68

Sample I.D.: Mw-1 Laboratory: Kiff CalScience Other: MCCAMPBELL

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Son

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client ACC Date 12/16/14

Site Address 3080 BROADWAY, OAKLAND, CA

Job Number 41216-ww2 Technician hw

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
Mw-1		X		X	NO LOCK	X		

NOTES: 2/2 TABS STRIPPED (1/2"). CRACKED APRON (6" MORRISON)

APPENDIX C

LABORATORY REPORT & COC



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1412821

Report Created for: ACC Environmental Consultants, Inc.
7977 Capwell Drive , Suite 100
Oakland, CA 94621

Project Contact: Ian Sutherland

Project P.O.:

Project Name: #6989-001.02

Project Received: 12/17/2014

Analytical Report reviewed & approved for release on 12/23/2014 by:

*Question about
your data?*

[Click here to email
McC Campbell](#)

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mcccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3



Glossary of Terms & Qualifier Definitions

Client: ACC Environmental Consultants, Inc.

Project: #6989-001.02

WorkOrder: 1412821

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence



Analytical Report

Client: ACC Environmental Consultants, Inc.
Project: #6989-001.02
Date Received: 12/17/14 19:27
Date Prepared: 12/17/14

WorkOrder: 1412821
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

LUFT 5 Metals

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1	1412821-001A	Water/DISS.	12/16/2014 12:55	ICP-MS2	99153

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	12/18/2014 12:20
Chromium	ND	0.50	1	12/18/2014 12:20
Lead	1.1	0.50	1	12/18/2014 12:20
Nickel	6.1	0.50	1	12/18/2014 12:20
Zinc	ND	15	1	12/18/2014 12:20

Analyst(s): AG



Quality Control Report

Client: ACC Environmental Consultants, Inc.
Date Prepared: 12/17/14
Date Analyzed: 12/18/14
Instrument: ICP-MS1
Matrix: Water
Project: #6989-001.02

WorkOrder: 1412821
BatchID: 99153
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS-99153
 1412815-005AMS/MSD

QC Summary Report for E200.8

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Cadmium	ND	50.3	0.25	50	-	101	85-115
Chromium	ND	51.4	0.50	50	-	103	85-115
Lead	ND	51.3	0.50	50	-	103	85-115
Nickel	ND	51.3	0.50	50	-	103	85-115
Zinc	ND	513	15	500	-	102	85-115
Surrogate Recovery							
Tb 350.917	692	711		750	92	95	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	49.2	50.7	50	ND	98	101	70-130	3.04	20
Chromium	52.0	49.9	50	ND	104	99	70-130	4.20	20
Lead	51.4	53.2	50	1.4	100	104	70-130	3.27	20
Nickel	51.9	50.7	50	0.66	103	100	70-130	2.28	20
Zinc	521	519	500	ND	103	103	70-130	0	20
Surrogate Recovery									
Tb 350.917	706	727	750		94	97	70-130	2.90	20

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1412821

ClientCode: ACCE

- WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Ian Sutherland
ACC Environmental Consultants, Inc.
7977 Capwell Drive , Suite 100
Oakland, CA 94621
510-638-8400 FAX: 510-638-8404

Email: isutherland@accenv.com
cc/3rd Party:
PO:
ProjectNo: #6989-001.02

Bill to:

Accounts Payable
ACC Environmental Consultants, Inc.
7977 Capwell Drive , Suite 100
Oakland, CA 94621

Requested TAT:

5 days

Date Received: 12/17/2014

Date Printed: 12/23/2014

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1412821-001	MW-1	Water	12/16/2014 12:55	<input type="checkbox"/>	A	A											

Test Legend:

1	LUFTMS_FF DISS	2	PREFD REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: ACC ENVIRONMENTAL CONSULTANTS, INC.

QC Level: LEVEL 2

Work Order: 1412821

Project: #6989-001.02

Client Contact: Ian Sutherland

Date Received: 12/17/2014

Comments:

Contact's Email: isutherland@accenv.com

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1412821-001A	MW-1	Water	E200.8 (LUFT) (Dissolved-Field Filtered)	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	12/16/2014 12:55	5 days	None	<input type="checkbox"/>	

*** NOTE: STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**



Sample Receipt Checklist

Client Name: **ACC Environmental Consultants, Inc.** Date and Time Received: **12/17/2014 7:27:00 PM**
 Project Name: **#6989-001.02** Login Reviewed by: **Jena Alfaro**
 WorkOrder No: **1412821** Matrix: Water Carrier: Benjamin Yslas (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present? Yes No
 Chain of custody signed when relinquished and received? Yes No
 Chain of custody agrees with sample labels? Yes No
 Sample IDs noted by Client on COC? Yes No
 Date and Time of collection noted by Client on COC? Yes No
 Sampler's name noted on COC? Yes No

Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes No NA
 Shipping container/cooler in good condition? Yes No
 Samples in proper containers/bottles? Yes No
 Sample containers intact? Yes No
 Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No
 Sample/Temp Blank temperature Temp: 2°C NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No
 (Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

* NOTE: If the "No" box is checked, see comments below.

 Comments:

APPENDIX D
PERJURY STATEMENT



January 26, 2015

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

SITE: Roy Anderson Paints
3080 Broadway
Oakland, California 94611
LOP Case# RO140
Geotracker Global ID: T0600101621

RE: Perjury Statement for Groundwater Sampling Report dated January 26, 2015

Dear Ms. Detterman,

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

Mr. Gerald Shirar
Owner of 3080 Broadway, Oakland, California