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1:51 pm, May 04, 2009

Alameda County
Environmental Health

April 29, 2009

Mr. Jerry T. Wickham, P.G., CHG
Hazardous Materials Specialist
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

**SUBJECT: GROUNDWATER MONITORING WELL SAMPLING REPORT
Legacy Hanson Radum Site
3000 Busch Road
Pleasanton, California
SLIC Case RO0002952 and Geotracker Global ID SL0600101555**

Dear Mr. Wickham:

ENV America Incorporated (ENV America) has prepared this Groundwater Monitoring Well Sampling Report (Report) for the Legacy Hanson Radum Property located at 3000 Busch Road in Pleasanton, California (Site, Figure 1) on behalf of Legacy Partners Commercial, LLC (Legacy). The purpose of this Report is to describe the groundwater monitoring well sampling events conducted by ENV America and document the results. Alameda County Health Agency-Department of Environmental Health (ACEH) requested this additional sampling of monitoring well ENV-1 in a letter to Mr. Lee Cover (Hanson) and Mr. Steve Dunn (Legacy) dated June 13, 2008.

PROJECT BACKGROUND

In July 2007 LFR, Inc. (LFR), on behalf of Hanson Permanente Cement, Inc. (Hanson), conducted soil and groundwater investigations in areas previously identified as areas of concern (AOCs) at the Site. To facilitate investigation of the Site, LFR divided the site into nine AOCs. A report describing the results of those investigations was submitted to ACEH on October 26, 2007.



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In the October 2007 report, LFR reported detecting total petroleum hydrocarbon (TPH) quantified as diesel (TPHd) at a concentration of 79 micrograms per liter ($\mu\text{g}/\text{l}$) and motor oil (TPHmo) at a concentration of 1,100 $\mu\text{g}/\text{l}$ in a grab groundwater sample collected from 68 feet below ground surface (bgs) in boring B-1(A), located in AOC 3 between Hanson's office, the heavy maintenance shop, and the lube shed.

In a November 28, 2007 letter ACEH requested that groundwater in the vicinity of this boring be further evaluated to assess whether the results from boring B-1(A) are representative of groundwater quality in that area and whether a significant subsurface source of TPH exists. To address this request, ENV America installed groundwater monitoring well ENV-1 to a depth of 22.8 feet bgs on March 7, 2008.

On March 13, 2008 ENV America sampled monitoring well ENV-1 using low flow sampling techniques¹. Prior to sampling the water level was measured using an electronic sounder to be 15.70 feet below the top of the casing. After purging the well using low flow sampling techniques, the well was sampled. Total petroleum hydrocarbon quantified as gasoline (TPHg), TPHd, and TPHmo, and benzene, toluene, ethyl benzene, or xylenes (BTEX) were not detected in the analytical results.

Based on the results, ENV America recommended that no further action be required with respect to groundwater in the vicinity of boring B-1(A)¹. ACEH requested additional sampling of monitoring well ENV-1 in a letter to Mr. Lee Cover (Hanson) and Mr. Steve Dunn (Legacy) dated June 13, 2008.

On August 2, 2008, ENV America requested a postponement of the groundwater sampling at monitoring well ENV-1 due to insufficient water volume in the well. This request was approved by ACEH in an email dated August 29, 2008.

¹ 2008, ENV America, Groundwater Monitoring Well Installation, Development, Sampling, and Soil Excavation Report, Legacy Hanson Radum Site, 3000 Busch Road, Pleasanton, California, SLIC Case RO0002952 and Geotracker Global ID SL0600101555, April 17.



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MONITORING WELL SAMPLING ACTIVITIES

On March 16, 2009 ENV America sampled the groundwater from the monitoring well using low flow sampling techniques. Monitoring well ENV-1 was purged and sampled using a peristaltic pump. Groundwater parameters of temperature, specific conductivity, and temperature, as well as the water level, stabilized prior to sampling.

Once groundwater parameters stabilized, laboratory-provided sample bottles were filled directly from the discharge tubing of the pump. All sample containers were uniquely labeled, immediately placed on ice, and submitted to Test America of Pleasanton, California (Test America), a California-certified laboratory under chain-of-custody for the analyses of TPHd and TPHmo in accordance with Environmental Protection Agency Method (EPA) Method 8015M following a silica gel cleanup in accordance with EPA Method 3630, and for TPHg and BTEX in accordance with EPA Method 8260B.

On April 9, 2009, ENV America resampled monitoring well ENV-1 to confirm the detections of TPHd that were reported from the March 16, 2009 sampling event. The well was purged using a Grundfos submersible pump and sampled using a newly opened disposable bailer after required purge volumes were removed and water quality parameters stabilized.

After parameters stabilized, laboratory-provided sample bottles were filled using a disposable bailer. All sample containers were uniquely labeled, immediately placed on ice, and submitted to Test America under chain-of-custody for the analyses of TPHd and TPHmo in accordance with EPA Method 8015M following a silica gel cleanup in accordance with EPA Method 3630, and for TPHg and BTEX in accordance with EPA Method 8260B.

Monitoring well sampling records are included as Attachment A.

FINDINGS

Groundwater Analytical Results

TPHg, TPHmo, and BTEX were not detected above the laboratory reporting limit in the groundwater sample designated ENV-1-0309 collected on March 16, 2009. TPHd was detected



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at 78 µg/l. The duplicate sample (DUP-1-0309) was analyzed for TPHd. The result of sample DUP-1 indicates that TPHd was detected at a concentration of 78 µg/L.

Based on the results of Sample ENV-1-0309 and Dup-1-0309 the well was purged of all water prior to collecting sample ENV-1-0409. TPHg, TPHmo, and BTEX were not detected above the laboratory reporting limit in sample ENV-1-0409. TPHd was detected at a concentration of 81 µg/l.

A complete laboratory report for the March 2009 sampling event is included as Attachment B and a complete laboratory report for the April 2009 sampling event is included as Attachment C.

CONCLUSION AND RECOMMENDATIONS

Groundwater ENV-1

The groundwater sample results from the March 2008, March 2009, and April 2009 sampling events were compared to Regional Water Quality Control Board-San Francisco Region Environmental Screening Levels for Groundwater (where groundwater is a current or potential drinking water resource, Table F-1A). The detected concentrations of the groundwater from ENV-1 were below the screening level of 100 µg/l. Based on the groundwater analytical results compared to the screening criteria, it is ENV America's opinion that groundwater in the vicinity of ENV-1 has not been significantly affected by TPH constituents. Based on the findings, we recommend that the monitoring well be abandoned and no further action be required with respect to the groundwater in this area of the Site.

ENV America is pleased to provide this Groundwater Monitoring Well Sampling Report for the Site. If you have any questions regarding this report please call the undersigned at (415) 989-9933.

Sincerely,
ENV America Incorporated

Allan H. Atkinson, PG
Principal


Wojciech Bajzarowicz
Principal



Mr. Jerry T. Wickham
Alameda County Health Agency
April 29, 2009
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cc: Mr. Tom Jodry, Legacy Partners Commercial, Inc.
Mr. Lee Cover, Hanson Permanente Cement, Inc.

Figures:

Figure 1: Site Vicinity Map

Figure 2: Site Plan

Attachments:

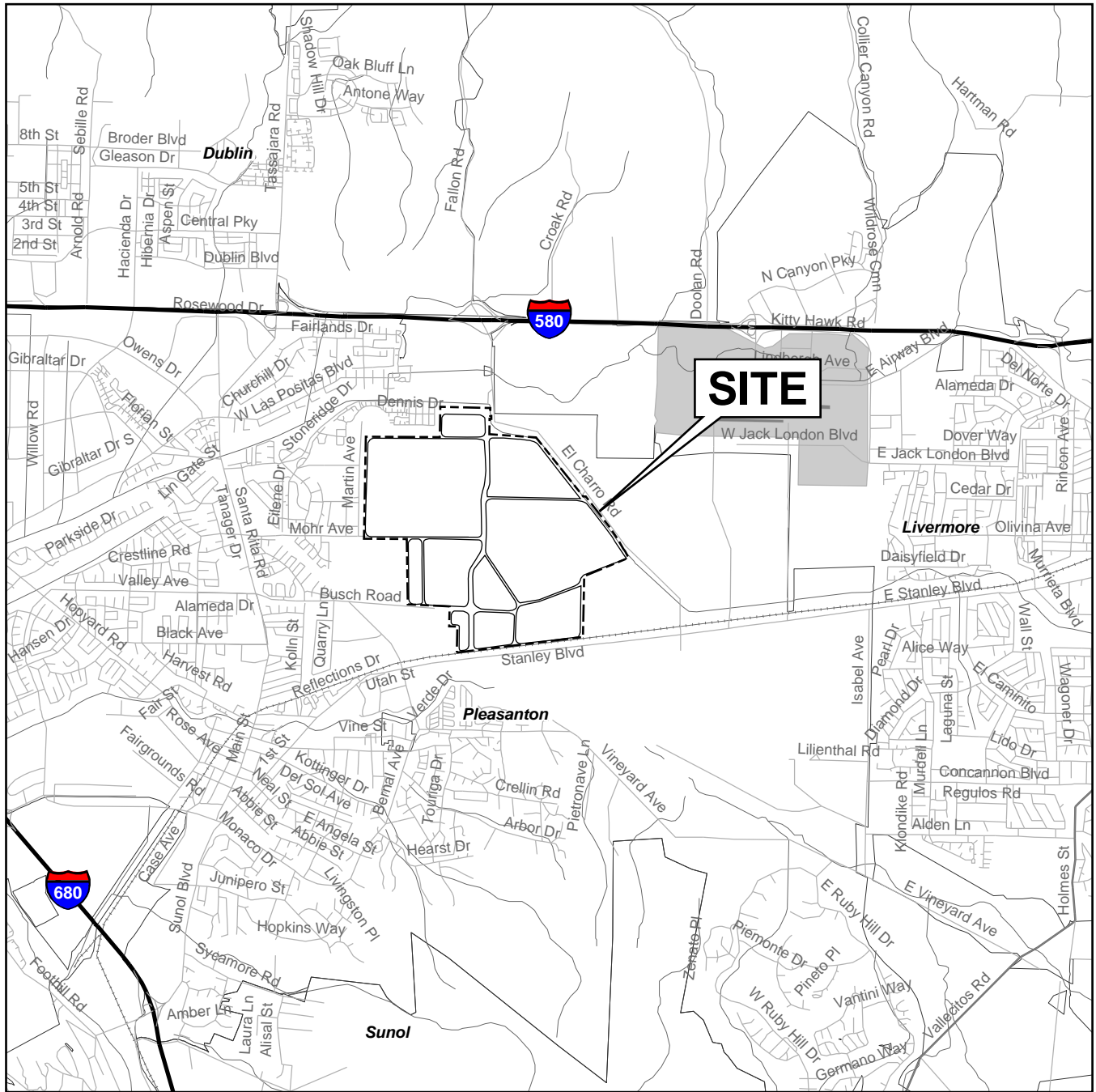
Attachment A – Monitoring Well Sampling Records

Attachment B – Laboratory Analytical Report and Chain-of-Custody Documentation for the
Groundwater Sample-March 2009

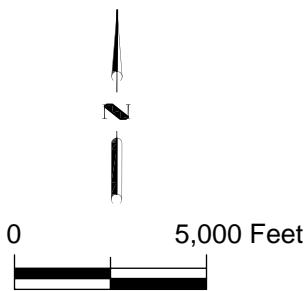
Attachment C - Laboratory Analytical Report and Chain-of-Custody Documentation for the
Groundwater Sample-April 2009

Figures

FILE NAME	_FIG_01
PROJECT NUMBER	LFC0624-800
CHECKED BY	
APPROVED BY	
DRAWN BY	WSL
	3/27/08

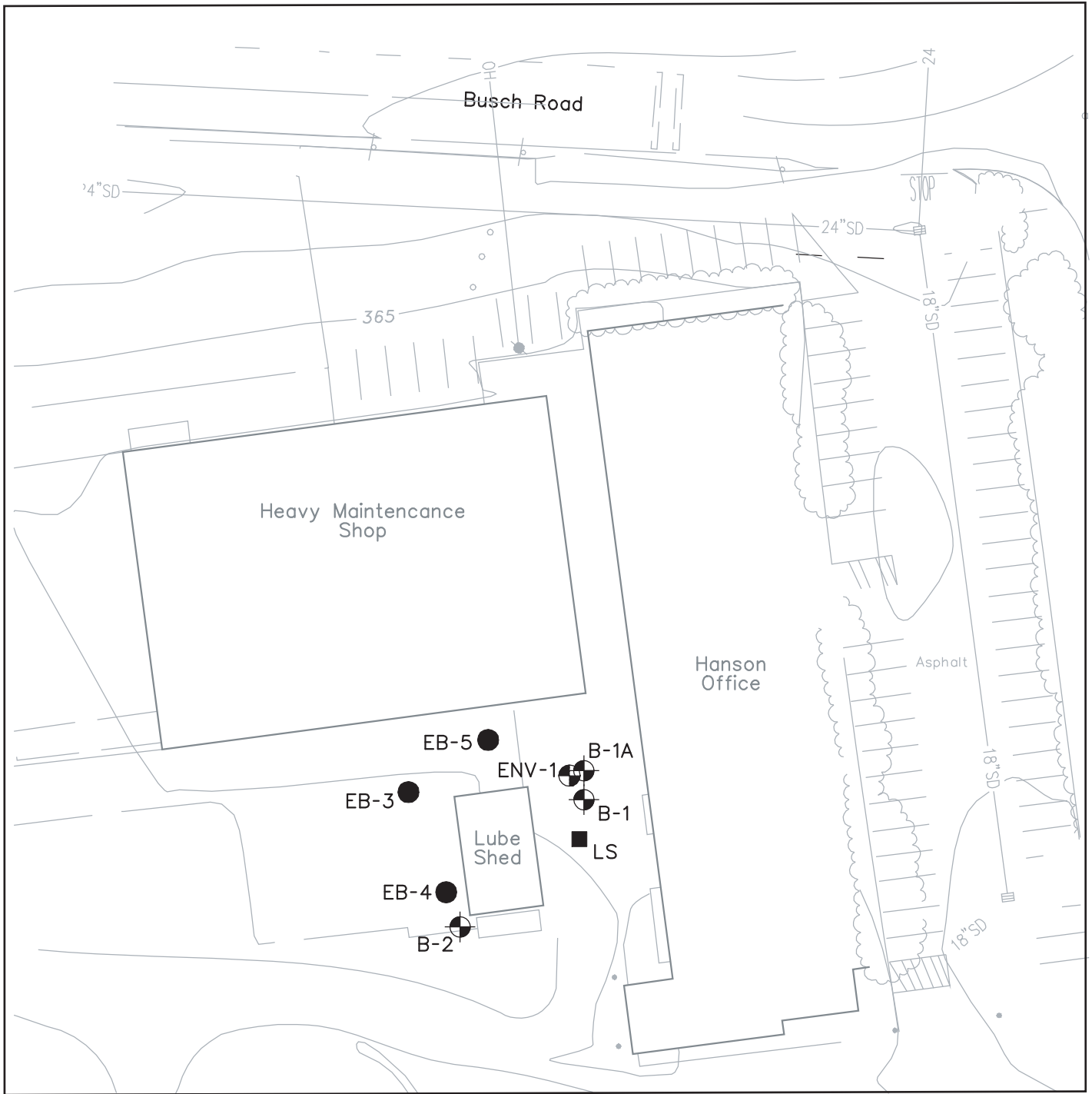


MAP CREATED WITH ARCMAP (STREETMAP) SOFTWARE.



ENV AMERICA
 ENVIRONMENTAL ENGINEERING,
 CONSULTING & CONSTRUCTION

FIGURE I
SITE VICINITY MAP
 HANSON RADUM SITE
 3000 BUSCH ROAD
 PLEASANTON, CALIFORNIA



LEGEND

- Monitoring well location (ENV)
- ⊕ Soil boring location (LFR)
- Soil boring location (ENV or B&C)
- Test pit soil sample location (ENV)

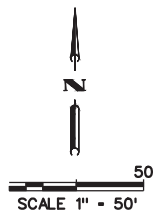


FIGURE 2
SITE PLAN
 HANSON RADUM SITE
 3000 BUSCH ROAD
 PLEASANTON, CALIFORNIA

Attachment A – Monitoring Well Sampling Records



WELL SAMPLING AND/OR DEVELOPMENT RECORD

Well ID: <u>ENV-1</u>	Initial Depth to Water: <u>14.26</u>
Sample ID: <u>ENV-1-0209</u> Duplicate ID: <u>DUP-1</u>	Depth to Water after Sampling: <u>14.60</u>
Sample Depth: <u>19</u>	Total Depth to Well: <u>22.5</u>
Project and Task No.: <u>LPC0624</u>	Well Diameter: <u>2-inch</u>
Project Name: <u>Legacy Hanson</u>	1 Casing/Borehole Volume: <u>NA</u> (Circle one)
Date: <u>3/16/09</u>	4 Casing/Borehole Volumes: <u>NA</u> (Circle one)
Sampled By: <u>CPR</u>	Total Casing/Borehole Volumes Removed: <u>NA</u>
Method of Purging: <u>Peristaltic Pump</u>	
Method of Sampling: <u>Low Flow</u>	

Time	Intake Depth	Rate <small>(gpm) ml/min</small>	Cum. Vol. <small>(gal) ml</small>	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Remarks (color, turbidity, and sediment)	
1300	19	200					Start pumping	
1303	↓	↓	600	18.61	6.38	848	Clear; DTW = 14.40	
1307			1400	18.42	6.66	857	" ; 14.46	
1310			2000	18.36	6.66	857	" ; 14.49	
1313			2600	18.29	6.62	856	" ; 14.51	
1316			3200	18.26	6.65	856	" ; 14.53	
1320			4000	18.28	6.65	857	" ; 14.57	
1323			4600	18.27	6.64	858	" ; 14.57	
1325								Sample (Start)
1340								Sample (Finish)

pH CALIBRATION (choose two)				Model or Unit No.:	
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	YSI 556	
Temperature C	equi-co calibrated				
Instrument Reading					
SPECIFIC ELECTRICAL CONDUCTANCE - CALIBRATION				Model or Unit No.:	
KCL Solution (µS/cm=µmhos/cm)				YSI 556	
Temperature C					
Instrument Reading					

Notes: Collect primary + duplicate sample for TPH, d, mo and BTEX



WELL SAMPLING AND/OR DEVELOPMENT RECORD

Well ID: <u>ENV-1</u>	Initial Depth to Water: <u>15.6</u>
Sample ID: <u>ENV-1-0409</u> Duplicate ID: <u>—</u>	Depth to Water after Sampling: <u>16.15</u>
Sample Depth: <u>19</u>	Total Depth to Well: <u>22.5</u>
Project and Task No.: <u>LPC0624</u>	Well Diameter: <u>2-inch</u>
Project Name: <u>Legacy Hansen</u>	<input checked="" type="checkbox"/> 1 Casing/Borehole Volume: <u>1.17</u> (Circle one)
Date: <u>4/9/07</u>	<input checked="" type="checkbox"/> 4 Casing/Borehole Volumes: <u>4.7</u> (Circle one)
Sampled By: <u>CPA</u>	Total Casing/Borehole Volumes Removed: _____
Method of Purging: <u>Grundfos pump</u>	
Method of Sampling: <u>Disposable Bailor</u>	

Time	Intake Depth	Rate (gpm)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Remarks (color, turbidity, and sediment)
1042	21.5						Start pumping
1044			1	18.1	7.42	4252	Clear ; DTW = 16.7
1049			3	17.6	6.98	857	" ; 18.25
1058			5	17.4	6.94	876	" ; 19.14
1108			7	16.8	6.81	840	" ; 20.90
1117			10	17.1	7.02	838	well dry
1310							Start pumping ; 16.15
1342			12	17.3	7.02	840	clear
1349			14	17.2	7.03	832	"
1353			15	17.2	7.02	836	" ; Dry
1500							Sample ; DTW = 16.15

pH CALIBRATION (choose two)				Model or Unit No.:	
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	YSI-63	
Temperature C	equipment calibrated				
Instrument Reading					
SPECIFIC ELECTRICAL CONDUCTANCE - CALIBRATION				Model or Unit No.:	
KCL Solution (µS/cm=µmhos/cm)				YSI-63	
Temperature C					
Instrument Reading					

Notes: Collect sample for TPHd, mo, g, BTEX

**Attachment B – Laboratory Analytical Report and Chain-of-Custody Documentation for
the Groundwater Sample-March 2009**

ANALYTICAL REPORT

Job Number: 720-18552-1
Job Description: Legacy Hansen

For:
ENV America, Incorporated
244 California St., Ste 500
San Francisco, CA 94111
Attention: Mr. Charlie Rome



Approved for release.
Dimple Sharma
Project Manager I
3/23/2009 4:28 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
03/23/2009

Job Narrative
720-J18552-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ENV America, Incorporated

Job Number: 720-18552-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-18552-2 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	ENV-1-0309	78	50	ug/L	8015B

METHOD SUMMARY

Client: ENV America, Incorporated

Job Number: 720-18552-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: ENV America, Incorporated

Job Number: 720-18552-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-18552-2	ENV-1-0309	Water	03/16/2009 1340	03/16/2009 1358

Analytical Data

Client: ENV America, Incorporated

Job Number: 720-18552-1

Client Sample ID: ENV-1-0309

Lab Sample ID: 720-18552-2
Client Matrix: Water

Date Sampled: 03/16/2009 1340
Date Received: 03/16/2009 1358

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-47914 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: e:\data\200903\032109\sa-
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 03/21/2009 1131 Final Weight/Volume: 40 mL
Date Prepared: 03/21/2009 1131

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	97		78 - 112
1,2-Dichloroethane-d4 (Surr)	102		67 - 126

Analytical Data

Client: ENV America, Incorporated

Job Number: 720-18552-1

Client Sample ID: ENV-1-0309

Lab Sample ID: 720-18552-2

Date Sampled: 03/16/2009 1340

Client Matrix: Water

Date Received: 03/16/2009 1358

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-47863	Instrument ID:	HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-47750	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	03/23/2009 1009		Final Weight/Volume:	2 mL
Date Prepared:	03/17/2009 1810		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	78		50
Motor Oil Range Organics [C24-C36]	ND		300
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	80		31 - 120

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
--------------------	------------------	--------------------

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-18552-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-47914					
LCS 720-47914/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-47914/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-47914/3	Method Blank	T	Water	8260B/CA_LUFT	
720-18552-2	ENV-1-0309	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 720-47750					
LCS 720-47750/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-47750/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-47750/1-A	Method Blank	A	Water	3510C SGC	
720-18552-2	ENV-1-0309	A	Water	3510C SGC	
Analysis Batch:720-47863					
LCS 720-47750/2-A	Lab Control Spike	A	Water	8015B	720-47750
LCSD 720-47750/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-47750
MB 720-47750/1-A	Method Blank	A	Water	8015B	720-47750
720-18552-2	ENV-1-0309	A	Water	8015B	720-47750

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-18552-1

Method Blank - Batch: 720-47914

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-47914/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2009 0838
Date Prepared: 03/21/2009 0838

Analysis Batch: 720-47914
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200903\032109\mb
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	94	78 - 112	
1,2-Dichloroethane-d4 (Surr)	97	67 - 126	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-47914**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-47914/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2009 0913
Date Prepared: 03/21/2009 0913

Analysis Batch: 720-47914
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200903\032109\ls-v
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-47914/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2009 0939
Date Prepared: 03/21/2009 0939

Analysis Batch: 720-47914
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200903\032109\ld-w
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	60	64	42 - 80	5	20		
Benzene	94	91	74 - 112	4	20		
Toluene	85	80	65 - 98	7	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	99		90		78 - 112		
1,2-Dichloroethane-d4 (Surr)	102		108		67 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-18552-1

Method Blank - Batch: 720-47750

Lab Sample ID: MB 720-47750/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/19/2009 1453
 Date Prepared: 03/17/2009 1430

Analysis Batch: 720-47863
 Prep Batch: 720-47750
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	99		31 - 120

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-47750**

LCS Lab Sample ID: LCS 720-47750/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/18/2009 1326
 Date Prepared: 03/17/2009 1430

Analysis Batch: 720-47863
 Prep Batch: 720-47750
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-47750/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/18/2009 1352
 Date Prepared: 03/17/2009 1430

Analysis Batch: 720-47863
 Prep Batch: 720-47750
 Units: ug/L

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	100	103	41 - 103	4	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	108		111			31 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-18552

Reference #: 115058

Date 3/16/09 Page 1 of 1

Report To **Analysis Request**

Attn: Charles Rome		Company: ENV America Inc		Address: 244 California St, SF, CA		Phone: 510-301-9290 Email: charles.rome@env.com		Bill To: same		Sampled By: CFR		Attn: -		Phone: -	
TPH EPA - <input type="checkbox"/> 8015M <input type="checkbox"/> 8260B		Gak w/ <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE		Purgeable Aromatics		BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B		TEPH EPA 8015M <input checked="" type="checkbox"/> Silica Gel		Diesel <input checked="" type="checkbox"/> Motor Oil <input type="checkbox"/> Other <input type="checkbox"/>		Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX		<input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA <input type="checkbox"/> EOB <input type="checkbox"/>	
Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B		Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B <input type="checkbox"/> 824		Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825		Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total		Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808		PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808		PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310		CAM17 Metals (EPA 6010/7470/7471)	
Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		Low Level Metals by EPA 200.9/6020 (ICP-MS):		W.E.T (STLC) <input type="checkbox"/> TCLP <input type="checkbox"/>		Hexavalent Chromium pH (24h hold time for H ₂ O)		Spec Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS <input type="checkbox"/>		Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄		Number of Containers			

Sample ID	Date	Time	Mat rx	Pres erv.	TPH EPA	Analysis Request	Number of Containers
1 TRIP BLANK	-	-	W	HCL		LAB PRERAGED	2
2 ENV-1-0309	3/16/09	1340	W	HCL		X	1
ENV-1-0309		1340	W	HCL	X		3
3 Dup-1-0309		1350	W	HCL			1
Dup-1-0309		1350	W	HCL			3

Project Info.		Sample Receipt		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:	
Project Name: Hanson		# of Containers: _____		Signature: Chh Rome Time: 1358		Signature _____ Time _____		Signature _____ Time _____	
Project#: LPC0624		Head Space: _____		Printed Name: Charles Rome Date: 3/16/09		Printed Name _____ Date _____		Printed Name _____ Date _____	
PO#: _____		Temp: 11.0°C 24hrs		Company: ENV America		Company _____		Company _____	
Credit Card#: _____		Conforms to record: _____		1) Received by:		2) Received by:		3) Received by:	
TAT: 72h <input checked="" type="checkbox"/> 48h <input type="checkbox"/> 24h <input type="checkbox"/> Other: _____		Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF		Signature: J. Balle Time: 1358		Signature _____ Time _____		Signature _____ Time _____	
Special Instructions / Comments: _____		<input type="checkbox"/> Global ID _____		Printed Name: T. Bullock Date: 3/16/09		Printed Name _____ Date _____		Printed Name _____ Date _____	
				Company: TEST America		Company _____		Company _____	

See Terms and Conditions on reverse
 *TestAmerica SF reports 8015M from C₂-C₂₄ (industry norm). Default for 8015B is C₁₇-C₂₈

Login Sample Receipt Check List

Client: ENV America, Incorporated

Job Number: 720-18552-1

Login Number: 18552
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-18552-2
Job Description: Legacy Hansen

For:
ENV America, Incorporated
244 California St., Ste 500
San Francisco, CA 94111
Attention: Mr. Charlie Rome



Approved for release.
Dimple Sharma
Project Manager I
3/31/2009 9:19 AM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
03/31/2009

Job Narrative
720-J18552-2

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ENV America, Incorporated

Job Number: 720-18552-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-18552-3 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	DUP-1-0309	78	50	ug/L	8015B

METHOD SUMMARY

Client: ENV America, Incorporated

Job Number: 720-18552-2

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: ENV America, Incorporated

Job Number: 720-18552-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-18552-3	DUP-1-0309	Water	03/16/2009 1350	03/16/2009 1358

Analytical Data

Client: ENV America, Incorporated

Job Number: 720-18552-2

Client Sample ID: DUP-1-0309

Lab Sample ID: 720-18552-3

Date Sampled: 03/16/2009 1350

Client Matrix: Water

Date Received: 03/16/2009 1358

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-48126	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-48051	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	03/28/2009 0356		Final Weight/Volume: 2 mL
Date Prepared:	03/26/2009 1703		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	78		50
Motor Oil Range Organics [C24-C36]	ND		300
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	74		31 - 120

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-18552-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-48051					
LCS 720-48051/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-48051/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-48051/1-A	Method Blank	A	Water	3510C SGC	
720-18552-3	DUP-1-0309	A	Water	3510C SGC	
Analysis Batch:720-48126					
LCS 720-48051/2-A	Lab Control Spike	A	Water	8015B	720-48051
LCSD 720-48051/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-48051
MB 720-48051/1-A	Method Blank	A	Water	8015B	720-48051
720-18552-3	DUP-1-0309	A	Water	8015B	720-48051

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-18552-2

Method Blank - Batch: 720-48051

Lab Sample ID: MB 720-48051/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/28/2009 0328
 Date Prepared: 03/26/2009 1703

Analysis Batch: 720-48126
 Prep Batch: 720-48051
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Capric Acid (Surr)	0	0 - 5	
p-Terphenyl	86	31 - 120	

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-48051**

LCS Lab Sample ID: LCS 720-48051/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/28/2009 0234
 Date Prepared: 03/26/2009 1703

Analysis Batch: 720-48126
 Prep Batch: 720-48051
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-48051/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 03/28/2009 0301
 Date Prepared: 03/26/2009 1703

Analysis Batch: 720-48126
 Prep Batch: 720-48051
 Units: ug/L

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	76	81	49 - 120	6	30		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	92	90	90	31 - 120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sharma, Dimple

From: Charles Rome [mntnbikerome@gmail.com]
Sent: Wednesday, March 25, 2009 5:09 PM
To: Sharma, Dimple
Subject: Re: Files from 720-18552-1 Legacy Hansen

Dimple,

Please analyze DUP-1 for diesel.

Sincerely,
Charlie Rome

On Mar 23, 2009, at 4:31 PM, "Sharma, Dimple" <dimple.sharma@testamericainc.com> wrote:

diesel results are preliminary pending closing standard. I will confirm the data tomorrow morning.

Thanks.

DIMPLE SHARMA**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [039833]
Attachments: 2

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<720-18552-1_TalStandard.csv>

<J18552-1 Std_Tal_L2 Final Report.pdf>

Login Sample Receipt Check List

Client: ENV America, Incorporated

Job Number: 720-18552-2

Login Number: 18552
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

**Attachment C – Laboratory Analytical Report and Chain-of-Custody Documentation for
the Groundwater Sample-April 2009**

ANALYTICAL REPORT

Job Number: 720-19016-1

Job Description: Legacy Hansen

For:

ENV America, Incorporated
244 California St., Ste 500
San Francisco, CA 94111

Attention: Mr. Charlie Rome



Approved for release.
Dimple Sharma
Project Manager I
4/21/2009 6:42 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
04/21/2009

Job Narrative
720-J19016-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ENV America, Incorporated

Job Number: 720-19016-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19016-1 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	ENV-1-0409	81	50	ug/L	8015B

METHOD SUMMARY

Client: ENV America, Incorporated

Job Number: 720-19016-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: ENV America, Incorporated

Job Number: 720-19016-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-19016-1	ENV-1-0409	Water	04/09/2009 1500	04/09/2009 1510

Analytical Data

Client: ENV America, Incorporated

Job Number: 720-19016-1

Client Sample ID: ENV-1-0409

Lab Sample ID: 720-19016-1
Client Matrix: Water

Date Sampled: 04/09/2009 1500
Date Received: 04/09/2009 1510

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-48898 Instrument ID: Varian 3900A
Preparation: 5030B Lab File ID: e:\data\2009\200904\04190
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 04/19/2009 1830 Final Weight/Volume: 10 mL
Date Prepared: 04/19/2009 1830

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	92		78 - 112
1,2-Dichloroethane-d4 (Surr)	99		67 - 126

Analytical Data

Client: ENV America, Incorporated

Job Number: 720-19016-1

Client Sample ID: ENV-1-0409

Lab Sample ID: 720-19016-1
Client Matrix: Water

Date Sampled: 04/09/2009 1500
Date Received: 04/09/2009 1510

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-48868	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-48689	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	04/19/2009 1606		Final Weight/Volume: 2 mL
Date Prepared:	04/16/2009 1544		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	81		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	85	31 - 150

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-19016-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-48898					
LCS 720-48898/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-48898/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-48898/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19016-1	ENV-1-0409	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 720-48689					
LCS 720-48689/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-48689/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-48689/1-A	Method Blank	A	Water	3510C SGC	
720-19016-1	ENV-1-0409	A	Water	3510C SGC	
Analysis Batch:720-48868					
LCS 720-48689/2-A	Lab Control Spike	A	Water	8015B	720-48689
LCSD 720-48689/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-48689
MB 720-48689/1-A	Method Blank	A	Water	8015B	720-48689
720-19016-1	ENV-1-0409	A	Water	8015B	720-48689

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-19016-1

Method Blank - Batch: 720-48898

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-48898/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2009 0815
Date Prepared: 04/19/2009 0815

Analysis Batch: 720-48898
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\041909
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	88	78 - 112	
1,2-Dichloroethane-d4 (Surr)	95	67 - 126	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-48898**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-48898/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2009 0850
Date Prepared: 04/19/2009 0850

Analysis Batch: 720-48898
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\041909
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-48898/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2009 0914
Date Prepared: 04/19/2009 0914

Analysis Batch: 720-48898
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\041909
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	61	63	42 - 80	3	20		
Benzene	83	82	74 - 112	1	20		
Toluene	74	71	65 - 98	5	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	93		93		78 - 112		
1,2-Dichloroethane-d4 (Surr)	90		87		67 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ENV America, Incorporated

Job Number: 720-19016-1

Method Blank - Batch: 720-48689

Lab Sample ID: MB 720-48689/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/18/2009 1833
 Date Prepared: 04/16/2009 1544

Analysis Batch: 720-48868
 Prep Batch: 720-48689
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	86	31 - 150

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-48689**

LCS Lab Sample ID: LCS 720-48689/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/18/2009 1853
 Date Prepared: 04/16/2009 1544

Analysis Batch: 720-48868
 Prep Batch: 720-48689
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-48689/3-A	Analysis Batch: 720-48868	Instrument ID: HP GC 7890
Client Matrix: Water	Prep Batch: 720-48689	Lab File ID: N/A
Dilution: 1.0	Units: ug/L	Initial Weight/Volume: 500 mL
Date Analyzed: 04/18/2009 1913		Final Weight/Volume: 2 mL
Date Prepared: 04/16/2009 1544		Injection Volume:
		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	105	94	49 - 120	11	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	139	122				31 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: ENV America, Incorporated

Job Number: 720-19016-1

Login Number: 19016

Creator: Mullen, Joan

List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	