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By Alameda County Environmental Health at 3:22 pm, Aug 08, 2013

MCG Investments, LLC
c/o Kay & Merkle
100 The Embarcadero – Penthouse
San Francisco, CA 94105
(415) 357-1200

January 10, 2013

Mr. Mark Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
Environmental Protection, Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **Letter of Transmittal for Fourth Quarter 2012 Groundwater Monitoring Letter Report, Former McGrath Steel, 6655 Hollis Street, Emeryville, California 94608, ACEH Fuel Leak Case No. RO0000063, GeoTracker Global ID No. T0600102099**

Dear Mr. Detterman:

As required in your letters of November 8, 2012, May 2, 2012, November 19, 2010 and April 7, 2006 for plume delineation and interim remediation at the above-referenced subject site, and proposed in the AllWest Environmental, Inc. *Additional Site Characterization Workplan Addendum* dated July 31, 2012, we submit this transmittal letter and accompanying *Fourth Quarter 2012 Groundwater Monitoring* letter report.

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,

MCG Investments LLC,
A California limited liability
Company

Walter F. Merkle
Authorized Agent

AllWest Environmental, Inc.

Specialists in Physical Due
Diligence and Remedial Services

530 Howard Street, Suite 300
San Francisco, CA 94105
Tel 415.391.2510
Fax 415.391.2008

January 9, 2013

Mr. Mark Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
Environmental Protection, Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **Fourth Quarter 2012 Groundwater Monitoring, Former McGrath Steel, 6655 Hollis Street, Emeryville, California 94608, ACEH Fuel Leak Case No. RO0000063, GeoTracker Global ID No. T0600102099**
AllWest Project Number 12071.28

Dear Mr. Detterman:

AllWest Environmental, Inc. (AllWest) has performed sampling of the groundwater monitoring well MW-3 at the above-referenced subject site (Figures 1 and 2). The work was performed in response to the request by Alameda County Health Care Services Agency, Environmental Health Department (ACEH) in their letter of November 8, 2012 requesting the placement of the subject site on a quarterly groundwater monitoring interval in order to quickly gather contaminant trends and light non-aqueous phase liquid (LNAPL) trend data.

Purpose and Scope of Work

The purpose of the field activities performed by AllWest was to evaluate current groundwater conditions in monitoring well MW-3, which was installed in 1995 adjacent to former underground storage tanks (USTs) at the subject site (Figure 2). The scope of work was proposed in our *Additional Site Characterization and Interim Remedial Action Workplan* dated September 27, 2011 and our *Additional Site Characterization Workplan Addendum* dated July 31, 2012 (AllWest, September 2011 and July 2012). Site background information is also presented in the AllWest workplans (AllWest September 2011 and July 2012).

The scope of work performed included measuring free product, purging well MW-3, and collecting a groundwater sample for laboratory analysis.

Field Activities

On December 18, 2012, AllWest attempted to measure floating free product (LNAPL) thickness in monitoring well MW-3 using an electronic oil/water interface probe. No free product was detected by the probe; however, product sheen was observed on the probe sensor. Three casing volumes (approximately 10 gallons) of water were then purged prior to sample collection using a disposable polyethylene bailer. Samples were collected in three 40 milliliter (ml) VOA vials and one 1-liter amber glass bottle, all preserved with hydrochloric acid (HCl). All groundwater samples were preserved by storing them in an ice chest cooled to 4ºC with crushed ice immediately after their collection and during transportation to the laboratory. Purged groundwater was stored onsite in a 55-gallon drum pending test results for profiling to determine the proper disposal method.

Well construction, depth to water and product thickness data are included in Table 1. Standard operating procedures for groundwater monitoring well sampling are included in Attachment A. The purge log is included in Attachment B.

Analytical Results

The groundwater sample was transported in a iced cooler under chain of custody to a State of California certified independent analytical laboratory, McCampbell Analytical, Inc., (McCampbell) of Pittsburg, California. The groundwater sample collected from monitoring well MW-3 on December 18, 2012 was analyzed for total petroleum hydrocarbons as mineral spirits (TPH-ms) by EPA Method 8015Bm, total petroleum hydrocarbons as diesel (TPH-d) and total petroleum hydrocarbons as motor oil (TPH-mo) by EPA Method 8015B with silica gel clean-up, and total petroleum hydrocarbons as gasoline (TPH-g) and volatile organic compounds (VOCs) by EPA Method 8260B.

TPH-g, TPH-ms and TPH-d were detected at respective concentrations of 21,000 micrograms per liter (µg/L), 12,000 µg/L, and 2,600 µg/L. The TPH-ms range (C9-C12) hydrocarbons detected in MW-3 were characterized as weakly modified or unmodified gasoline by the analytical laboratory. TPH-mo was not detected above laboratory detection limits in the groundwater sample collected from monitoring well MW-3. Benzene, toluene, ethylbenzene and total xylenes (BTEX) were detected at respective concentrations of 830 µg/L, 1,400 µg/L, 450 µg/L and 2,600 µg/L.

The fuel oxygenate methyl tertiary butyl ether (MTBE) was detected at a concentration of 840 µg/L. Other VOCs detected were naphthalene, 1,2,4- trimethylbenzene, n-propyl benzene and 1,3,5-trimethylbenzene at respective concentrations of 140 µg/L, 630 µg/L, 78 µg/L, and 190 µg/L. No other analytes were detected. A summary of groundwater sample analytical results is included in Table 2. Copies of the laboratory analytical and QA/QC reports and chain-of-custody records are included in Attachment C.

Environmental Screening Levels

To assess if the identified petroleum hydrocarbons in the groundwater pose a risk to human health and the environment, detected analyte concentrations were compared with their corresponding California Regional Water Quality Control Board, San Francisco Bay Region (SFRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial land use where groundwater is a potential drinking water resource (RWQCB, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Tables A and F-1a*, Interim Final November 2007, revised May 2008). Although not currently used as a drinking water resource, groundwater in the subject site vicinity has been designated as a potential drinking water resource in the SFRWQCB Basin Plan (December 2011).

TPH-g, TPH-ms, TPH-d, BTEX, MTBE, and naphthalene concentrations in the groundwater sample from MW-3 exceeded their respective ESLs of 100 µg/L, 100 µg/L, 100 µg/L, 1.0 µg/L, 40 µg/L, 30 µg/L, 20 µg/L, 5.0 µg/L, and 17 µg/L, where groundwater is a potential drinking water resource.

Concentrations were also compared with their corresponding SFRWQCB ESLs for commercial/industrial land use where groundwater is not a potential drinking water resource (RWQCB, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Tables B and F-1b*, Interim Final November 2007, revised May 2008).

TPH-g, TPH-ms, TPH-d, BTEX, and naphthalene were detected in the groundwater sample from well MW-3 at concentrations exceeding their respective ESLs of 210 µg/L, 210 µg/L, 210 µg/L, 46 µg/L, 130 µg/L, 43 µg/L, 100 µg/L, and 24 µg/L, where groundwater is not a potential drinking water resource. MTBE was detected at a concentration below its non-drinking water ESL of 1,800 µg/L.

ESLs are not established for the other detected VOCs (Table 2).

Conclusions and Recommendations

The thickness of floating free product measured on groundwater in monitoring well MW-3 in July 2012 was greater than recorded in any previous historical monitoring events; however, no floating free product layer was detected during the December 2012 monitoring event.

AllWest recommends continuation of quarterly groundwater monitoring in MW-3 pending site characterization. AllWest submitted an *Additional Site Characterization Workplan Addendum* dated July 31, 2012 to ACEH proposing additional subsurface investigation. The workplan was approved by ACEH in their letter of November 8, 2012. The subsurface investigation is scheduled take place during January 2013.

Since the TPH-ms detected in the last two monitoring events has been characterized by the analytical laboratory as gasoline within the TPH-ms (C9-C12) range, and mineral spirits were

not historically stored in the subject site's former USTs, AllWest recommends discontinuation of TPS-ms analysis in future monitoring events.

If you have any questions, or would like to further discuss the above issues, please call me at (415) 391-2510, extension 109.

Sincerely,

AllWest Environmental, Inc.

Leonard P. Niles

Leonard P. Niles, R.G., C.H.G.
Senior Project Manager

CERTIFIED HYDROGEOLOGIST
LEONARD P. NILES
NO. HG357
EXP. 3/31/14
STATE OF CALIFORNIA

CC: Walter F. Merkle, MCG Investments LLC

FIGURES:

Figure 1: Site Map
Figure 2: Site Plan with Boring and Well Locations

TABLES:

Table 1: Summary of Well Construction Details, Product Thickness and Groundwater Elevation Data
Table 2: Summary of Groundwater Analytical Data

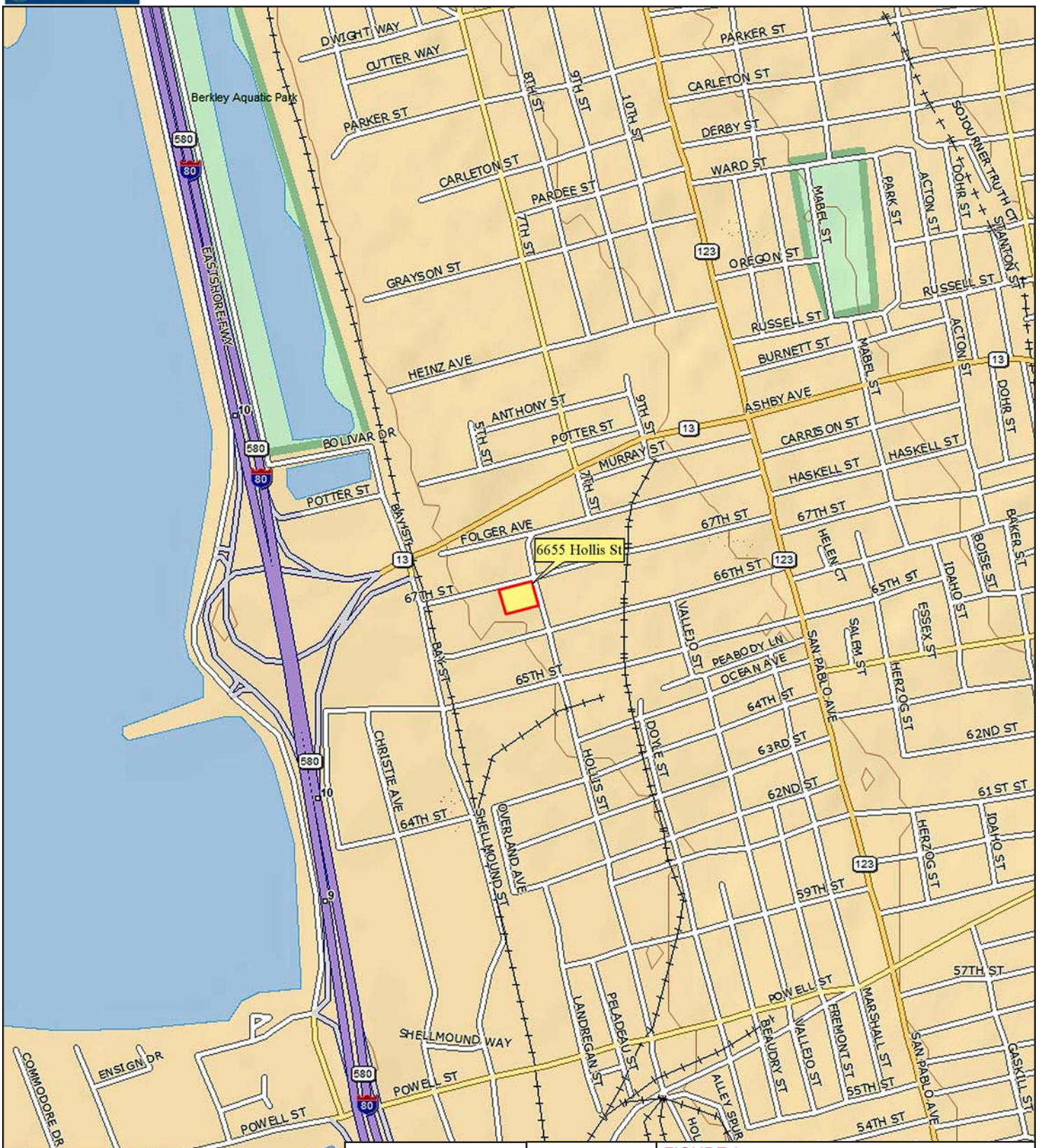
ATTACHMENTS:

Attachment A: Groundwater Monitoring Well Development and Sampling Standard Operating Procedures
Attachment B: Groundwater Monitoring Well Development, Purging and Sampling Field Logs
Attachment C: Laboratory Analytical Reports and Chain-of-Custody Documents

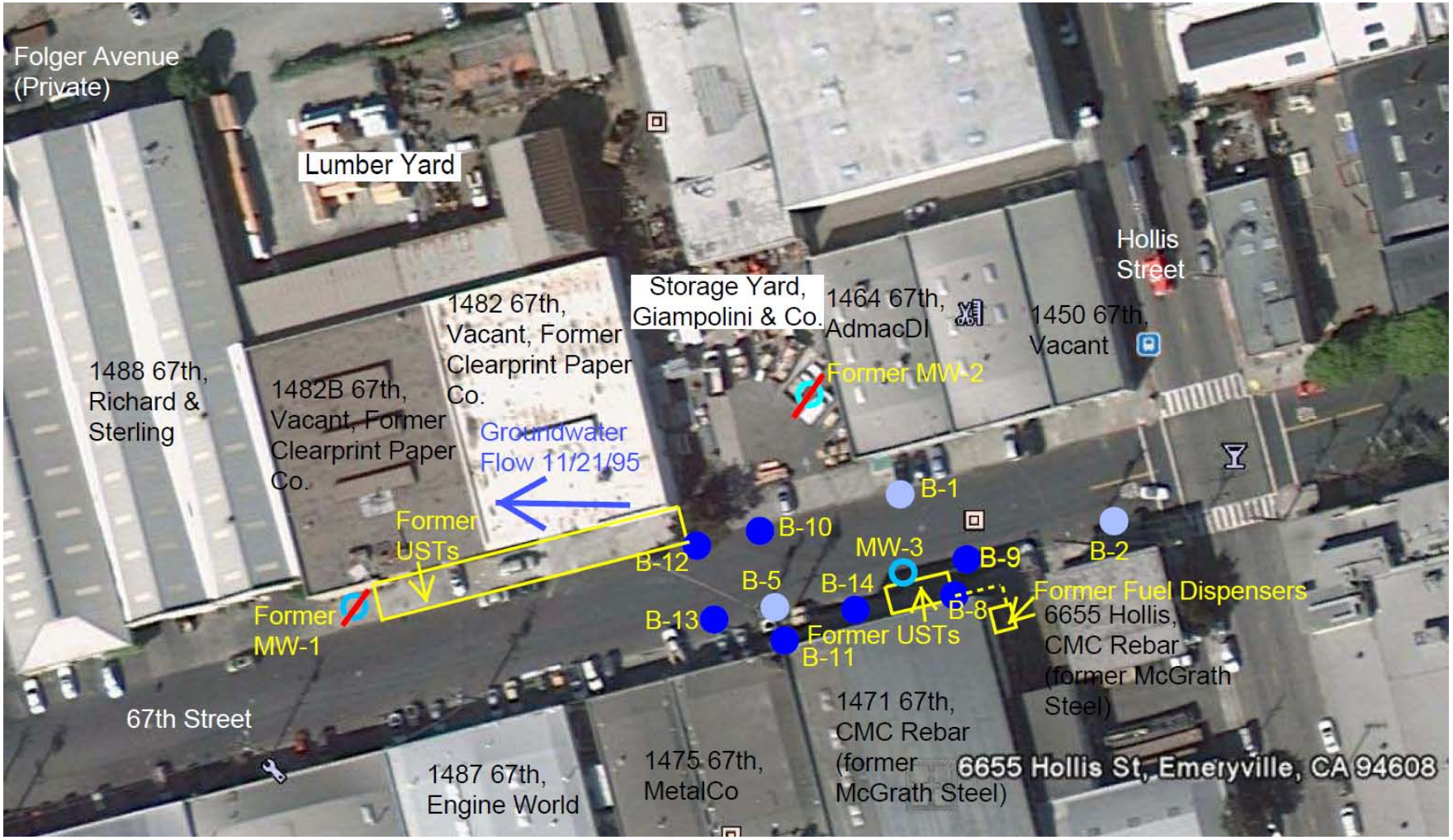
FIGURES

DELORME

Topo USA® 8



AllWest	FIGURE 1
	SITE VICINITY MAP
	6655 HOLLIS STREET
	EMERYVILLE, CALIFORNIA
	SOURCE: DELORME TOPO 8.0
PROJECT NO. 12071.28	PREPARED BY: C. RAMELB
	DATE: 01/02/13



AllWest	**Legend** **MW-3** Existing Monitoring Well (ESC, 1995) **MW-1** Former Monitoring Well (Clearprint / ESC, Destroyed 2005) **B-1** Boring (Weiss Associates,1998) **B-8** Boring (Weiss Associates, 2005) Former USTs and Fuel Dispensers	**FIGURE 2: SITE PLAN WITH BORING AND WELL LOCATIONS** **Site Name: Former McGrath Steel, 6655 Hollis Street, Emeryville, CA**	**Scale: 1 in = 80 ft** **Photo: Google Earth** **Date: 7/18/12** **By: Leonard Niles**	**N↑** **Project Number:** **12071.28**

TABLES

TABLE 1
Summary of Well Construction Details,
Product Thickness and Groundwater Elevation Data
Former McGrath Steel
6655 Hollis Street
Emeryville, California
AllWest Project No. 12071.28

Well Number	Casing Diameter (inches)	Borehole Diameter (inches)	Total Depth of Well (feet bgs)	Top-Bottom of Screen (feet bgs)	Screen Length (feet)	Top-Bottom of Filter Pack (feet bgs)
MW-3	2	8	29	9-29	20	7-29.5

Well Number	Date	TOC Elevation (feet msl)	Ground Surface Elevation (feet msl)	Depth to Groundwater (feet below TOC)	Product Thickness (feet)	Groundwater Surface Elevation (feet msl)[a]
MW-3	10/17/1995	22.73	23.17	9.42	0.00	13.31
	11/21/1995	22.73	23.17	9.85	0.00	12.88
	12/23/1995	22.73	23.17	8.52	0.00	14.21
	1/15/1996	22.73	23.17	8.72	0.00	14.01
	2/16/1996	22.73	23.17	7.08	0.04	15.68
	3/28/1996	22.73	23.17	6.78	0.03	15.97
	8/22/2005	22.73	23.17	12.36	0.00	10.37
	12/20/2005	22.73	23.17	10.82	0.00	11.91
	9/14/2011*	22.73	23.17	11.05	3	13.93
	7/30/2012	22.73	23.17	11.52	2.65	13.20
	8/2/2012	22.73	23.17	9.22	1.12	14.35
	12/18/2012	22.73	23.17	8.91	0.00	13.82

Notes:

*	Groundwater level measurement only, no sampling
bgs	below ground surface
TOC	Top of Well Casing
feet msl	Ground surface and TOC elevations surveyed to feet above mean sea level (msl) per City of Emeryville Datum, BM#5 by Triad/Holmes Associates October 17, 1995.
a	Groundwater elevation corrected for free product thickness, assuming density of 0.75 for gasoline.
NM	Not Measured

TABLE 2
Summary of Groundwater Analytical Data
Former McGrath Steel
6655 Hollis Street
Emeryville, California
AllWest Project No. 12071.28

Sample / Field Point Name	Date Sampled	TPH-g (µg/L)	TPH-ms (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)
MW-3	10/17/1995	**8,600**	ND <100	**220**	NA	**730**	**2,100**	**270**	**1,400**	NA	NA
MW-3 (qualifiers)	8/22/2005	**39,000**	NA	**2,500** L,Y	NA	**3,100**	**3,800**	**1,100**	**4,700**	**7,200**	Oxygenates - ND (varies)
MW-3 (qualifiers)	12/20/2005	**54,000**	NA	**2,600** L,Y	NA	**6,000**	**10,000**	**1,700**	**9,600**	**12,000**	Oxygenates - ND (varies)
MW-3 (qualifiers)	8/2/2012	**27,000**	**14,000** d1	**33,000** e4, e2	**680** e4, e2	**1,300**	**3,800**	**400**	**4,500**	**630**	**400 (TBA), 110 (trans-1,3-dichloropropene), 250 (naphthalene), 1,100 (1,2,4-trimethylbenzene), 280 (1,3,5-trimethylbenzene),** ND (others - varies)
MW-3 (qualifiers)	12/18/2012	**21,000**	**12,000** d1	**2,600** e4	ND <250 e4	**830**	**1,400**	**450**	**2,600**	**840**	**140 (naphthalene), 630 (1,2,4-trimethylbenzene), 78 (n-propyl benzene), 190 (1,3,5-trimethylbenzene),** ND (others - varies)
RWQCB Commercial/Industrial ESLs, drinking water*		**100**	**100**	**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12 (TBA) 0.5 (1,3-dichloropropene) 17 (naphthalene) NE or varies (others)**
RWQCB Commercial/Industrial ESLs, non-drinking water*		**210**	**210**	**210**	**210**	**46**	**130**	**43**	**100**	**1,800**	**18,000 (TBA) 24 (1,3-dichloropropene) 24 (naphthalene) NE or varies (others)**

Notes:

All results are reported in micrograms per liter (µg/L) [equivalent to parts per billion (ppb)], except where noted.
TPH-g = Total petroleum hydrocarbons as gasoline (EPA Method SW8015Bm, 10/17/95, 8/22/05 & 12/20/05; EPA Method SW8260B on 8/2/12)
TPH-ms = Total petroleum hydrocarbons as mineral spirits (EPA Method SW8015Bm, 10/17/95 & 8/2/12)
TPH-d = Total petroleum hydrocarbons as diesel, C10-C23 (EPA Method SW8015B with silica gel cleanup for 8/2/12)
TPH-mo = Total petroleum hydrocarbons as motor oil, C18-C36 (EPA Method SW8015B with silica gel cleanup for 8/2/12)
MTBE = Methyl tert-butyl ether (EPA Method SW8260B)
TBA = tert-butyl alcohol (EPA Method SW8260B)
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) (EPA Method SW8021B on 10/17/95 only; SW8260B on all other dates)
VOCs = Volatile organic compounds (EPA Method SW8260B)
ND <100 = Not detected at or above listed reporting limit
NE - Not established
NA - Not analyzed

San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial land use where groundwater is a potential drinking water resource from Tables A and F-1a, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* . RWQCB, Interim Final November 2007, revised May 2008.

San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial land use where groundwater is not a potential drinking water resource from Tables B and F-1b, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* . RWQCB, Interim Final November 2007, revised May 2008.

* The subject site lies within the Emeryville Brownfields Groundwater Management Zone, and has been designated as Groundwater Management Zone B by the SFRWQCB where groundwater is not currently being used as a drinking water resource.

Laboratory Qualifiers:
L - lighter hydrocarbons contributed to the quantitation
Y - sample exhibits chromatographic pattern which does not resemble standard
d1 - weakly modified or unmodified gasoline is significant
e2 - diesel range compounds are significant; no recognizable pattern
e4 - gasoline-range compounds are significant

Attachment A

Groundwater Monitoring Well Development and Sampling

Groundwater monitoring wells will be developed with the combination of surging and pumping actions. The wells will be alternately surged with a surging block for five minutes and pumped with a submersible pump for two minutes. The physical characteristics of the groundwater, such as water color and clarity, pH, temperature, and conductivity, will be monitored during well development. Well development will be considered complete when the groundwater is relatively sediment-free and groundwater characteristic indicators are stabilized (consecutive readings within 10% of each other).

Groundwater will be sampled from the developed wells no sooner than 48 hours after well development to allow stabilization of groundwater conditions. Prior to groundwater sampling, a proper purging process will be performed at each well. The purpose of well purging is to remove fine grained materials from the well casing and to allow fresh and more representative water to recharge the well. Prior to well purging, an electric water depth sounder will be lowered into the well casing to measure the depth to the water to the nearest 0.01 feet. A clear poly bailer will then be lowered into the well casing and partially submerged. Upon retrieval of the clear bailer, the surface of the water column retained in the bailer will be carefully examined for any floating product or product sheen.

After all initial measurements are completed and recorded, the well will be purged by an electrical submersible pump or a bailer. A minimum of 3 well volumes of groundwater will be purged and groundwater characteristics (temperature, pH, and conductivity) monitored at each well volume interval. Purging is considered complete when indicators are stabilized (consecutive readings within 10% of each other) and the purged water is relatively free of sediments.

Groundwater sampling will be conducted after the water level has recovered to at least 80% of the initial level, recorded prior to purging. The groundwater sample will be collected by a disposable bailer. Upon retrieval of the bailer, the retained water will be carefully transferred to appropriate sample bottle furnished by the analytical laboratory. All sample bottles will have a Teflon lined septum/cap and be filled such that no headspace is present. Then the sample bottles will be labeled and immediately placed on ice to preserve the chemical characteristics of its content.

To prevent cross contamination, all groundwater sampling equipment that comes in contact with the groundwater will be thoroughly decontaminated prior to sampling. A disposable bailer will be used to collect the groundwater samples. Sample handling, storage, and transport procedures described in the following sections will be employed. All well development and purging water will be temporarily stored on-site in 55-gallon drums awaiting test results to determine the proper disposal method.

Attachment B

AllWest

PURGE TABLE

WELL ID: MW-3
Page 1 of 1

SITE NAME: Former McGrath Steel	LOCATION: Emeryville CA
PROJECT NO: 12071.28	DATE PURGED: 12/18/12
PURGED/SAMPLED BY: C. Houlihan	DATE SAMPLED: 12/18/12
TIME SAMPLED: 1118	DEPTH TO BOTTOM (feet): 29.4
DEPTH TO WATER (feet): 8.91	WATER COLUMN HEIGHT (feet): 20.49
CALCULATED PURGE (gallons): 9.84	CASING VOLUME (gallons): 3.28
ACTUAL PURGE (gallons) 10	

DEVELOPMENT _____ QUARTERLY ✓ BIANNUAL _____ OTHER _____

SAMPLE TYPE: Groundwater ✓ Surface Water _____ Other _____

CASING DIAMETER: 2" ✓ 3" _____ 4" _____
Casing Volume (gallons per foot): (0.16) (0.38) (0.66)

0.16 (29.4 - 8.91) = 3.28 gal x 3 = 9.84 gal

FIELD MEASUREMENTS

VOLUME (gal)	TIME	TEMP (degrees C)	PH (units)	CONDUCTIVITY (~~umhos/cm~~) µS	~~DISSOLVED OXYGEN~~ TDS (~~mg/L~~) ppm	TURBIDITY (NTU)
2	1005	18.2	6.15	2460	1138	Clear
4	1025	16.7	6.17	2157	1189	Clear
6	1040	17.5	6.20	1976	1001	Cloudy
8	1049	16.8	6.25	1913	952	Cloudy
10	1058	17.9	6.27	1886	929	Cloudy

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER (feet): 9.10 Analyses: TPH-d, mo, ms w/silica gel by 8015, TPH-g, VOCs by 8260
80% RECHARGE: Y/N SAMPLE TURBIDITY: Cloudy
ODOR: H.C. SAMPLE BOTTLE/PRESERVATIVE: 1x 1L amber/HCl, 3x VOA/HCl

PURGING EQUIPMENT

___Centrifugal Pump
___Submersible Pump
___Peristaltic Pump
___Purge Pump
___Bailer (Teflon)
✓ Bailer (PVC or disposable)
___Bailer (Stainless Steel)
Other: _____

SAMPLING EQUIPMENT

___Centrifugal Pump
___Submersible Pump
___Peristaltic Pump
___Purge Pump
___Bailer (Teflon)
✓ Bailer (PVC or disposable)
___Bailer (Stainless Steel)
Other: _____

Comments: DTW 8.91 ft. No free product detected; sheen on probe.

Attachment C

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Reported: 12/26/12
San Francisco, CA 94105	Client P.O.:	Date Completed: 12/26/12

WorkOrder: 1212532

December 27, 2012

Dear Leonard:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#12071.28; Hollis St.,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

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

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

McCampbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, Ca. 94565-1701
www.mccampbell.com / main@mccampbell.com
Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

212532

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY ☐ 10 DAY ☑

GeoTracker EDF ☑ PDF ☑ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim #_____

Report To: Leonard Niles	**Bill To:** Carol Ramelb
Company: AllWest	carol@allwest1.com
530 Howard St. #300	choulihan@allwest1.com
SF, CA 94105	**E-Mail:** leonard@allwest1.com
Tele: (415) 391-2510	**Fax:** (415) 391-2008
Project #: 12071.28	**Project Name:** Hollis St.
Project Location: Emeryville, CA	**Purchase Order#**
Sampler Signature:	

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea \ Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
MW-3	MW-3	12-18-12	1118	3	X								X		
MW-3	MW-3	12-18-12	1118	1	X								X		

Analysis Request

BTEX & TPH as Gas (8021/ 8015 or 8260) / MTBE	TPH as Diesel (8015) and TPH-mo and TPH-mo w/silica gel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTEX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis
	X								X						

****MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.**

Relinquished By:	Date:	Time:	Received By:
	12/19/12	1715	
Relinquished By:	Date:	Time:	Received By:
	12/19/12	1615	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 1.6
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1212532 **ClientCode: AWE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Leonard Niles
All West Environmental, Inc
530 Howard Street, Ste.300
San Francisco, CA 94105
(415) 391-2510 FAX: (415) 391-2008
Email: Leonard@allwest1.com
cc:
PO:
ProjectNo: #12071.28; Hollis St.

Bill to:
Darlene Torio
All West Environmental, Inc
530 Howard Street, Ste.300
San Francisco, CA 94105
darlene@allwest1.com

Requested TAT: 5 days

Date Received: **12/19/2012**
Date Printed: **12/19/2012**

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
1212532-001	MW-3	Water	12/18/2012 11:18	☐	A	A	B									

Test Legend:

1	8260B_W	2	PREDF REPORT	3	TPH(DMO)WSG_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

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.

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **All West Environmental, Inc** Date and Time Received: **12/19/2012 7:23:36 PM**

Project Name: **#12071.28; Hollis St.** LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1212532** Matrix: Water Carrier: Rob Pringle (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 ☐	
Container/Temp Blank temperature	Cooler Temp: 1.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

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http://www.mccampbell.com / E-mail: main@mccampbell.com

All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Extracted: 12/21/12
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 12/21/12

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1212532

Lab ID	1212532-001A
Client ID	MW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	100	10	tert-Amyl methyl ether (TAME)	ND<50	100	0.5
Benzene	830	100	0.5	Bromobenzene	ND<50	100	0.5
Bromochloromethane	ND<50	100	0.5	Bromodichloromethane	ND<50	100	0.5
Bromoform	ND<50	100	0.5	Bromomethane	ND<50	100	0.5
2-Butanone (MEK)	ND<200	100	2.0	t-Butyl alcohol (TBA)	ND<200	100	2.0
n-Butyl benzene	ND<50	100	0.5	sec-Butyl benzene	ND<50	100	0.5
tert-Butyl benzene	ND<50	100	0.5	Carbon Disulfide	ND<50	100	0.5
Carbon Tetrachloride	ND<50	100	0.5	Chlorobenzene	ND<50	100	0.5
Chloroethane	ND<50	100	0.5	Chloroform	ND<50	100	0.5
Chloromethane	ND<50	100	0.5	2-Chlorotoluene	ND<50	100	0.5
4-Chlorotoluene	ND<50	100	0.5	Dibromochloromethane	ND<50	100	0.5
1,2-Dibromo-3-chloropropane	ND<20	100	0.2	1,2-Dibromoethane (EDB)	ND<50	100	0.5
Dibromomethane	ND<50	100	0.5	1,2-Dichlorobenzene	ND<50	100	0.5
1,3-Dichlorobenzene	ND<50	100	0.5	1,4-Dichlorobenzene	ND<50	100	0.5
Dichlorodifluoromethane	ND<50	100	0.5	1,1-Dichloroethane	ND<50	100	0.5
1,2-Dichloroethane (1,2-DCA)	ND<50	100	0.5	1,1-Dichloroethene	ND<50	100	0.5
cis-1,2-Dichloroethene	ND<50	100	0.5	trans-1,2-Dichloroethene	ND<50	100	0.5
1,2-Dichloropropane	ND<50	100	0.5	1,3-Dichloropropane	ND<50	100	0.5
2,2-Dichloropropane	ND<50	100	0.5	1,1-Dichloropropene	ND<50	100	0.5
cis-1,3-Dichloropropene	ND<50	100	0.5	trans-1,3-Dichloropropene	ND<50	100	0.5
Diisopropyl ether (DIPE)	ND<50	100	0.5	Ethylbenzene	450	100	0.5
Ethyl tert-butyl ether (ETBE)	ND<50	100	0.5	Freon 113	ND<1000	100	10
Hexachlorobutadiene	ND<50	100	0.5	Hexachloroethane	ND<50	100	0.5
2-Hexanone	ND<50	100	0.5	Isopropylbenzene	ND<50	100	0.5
4-Isopropyl toluene	ND<50	100	0.5	Methyl-t-butyl ether (MTBE)	840	100	0.5
Methylene chloride	ND<50	100	0.5	4-Methyl-2-pentanone (MIBK)	ND<50	100	0.5
Naphthalene	140	100	0.5	n-Propyl benzene	78	100	0.5
Styrene	ND<50	100	0.5	1,1,1,2-Tetrachloroethane	ND<50	100	0.5
1,1,2,2-Tetrachloroethane	ND<50	100	0.5	Tetrachloroethene	ND<50	100	0.5
Toluene	1400	100	0.5	1,2,3-Trichlorobenzene	ND<50	100	0.5
1,2,4-Trichlorobenzene	ND<50	100	0.5	1,1,1-Trichloroethane	ND<50	100	0.5
1,1,2-Trichloroethane	ND<50	100	0.5	Trichloroethene	ND<50	100	0.5
Trichlorofluoromethane	ND<50	100	0.5	1,2,3-Trichloropropane	ND<50	100	0.5
1,2,4-Trimethylbenzene	630	100	0.5	1,3,5-Trimethylbenzene	190	100	0.5
Vinyl Chloride	ND<50	100	0.5	Xylenes, Total	2600	100	0.5

Surrogate Recoveries (%)

%SS1:	99	%SS2:	99
%SS3:	80		

Comments:

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

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Extracted 12/20/12
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/20/12

Stoddard Solvent (C9-C12) Range Volatile Hydrocarbons as Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 1212532

Lab ID	Client ID	Matrix	TPH(mineral spirits)	DF	% SS	Comments
001B	MW-3	W	12,000	100	107	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d1) weakly modified or unmodified gasoline is significant

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Extracted: 12/19/12
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 12/22/12

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 1212532

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1212532-001B	MW-3	W	2600	ND	1	118	e4

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

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

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 73549 | WorkOrder: 1212532

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 1212533-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
tert-Amyl methyl ether (TAME)	ND	10	78.8	77.7	1.35	78.2	70 - 130	20	70 - 130
Benzene	ND	10	85.4	85	0.467	88.5	70 - 130	20	70 - 130
t-Butyl alcohol (TBA)	ND	40	67.6, F1	69.1, F1	2.19	77.8	70 - 130	20	70 - 130
Chlorobenzene	ND	10	87.5	87.7	0.165	89.1	70 - 130	20	70 - 130
1,2-Dibromoethane (EDB)	ND	10	87.8	87.8	0	92	70 - 130	20	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	81.7	80.4	1.60	79.9	70 - 130	20	70 - 130
1,1-Dichloroethene	ND	10	99.9	101	1.13	103	70 - 130	20	70 - 130
Diisopropyl ether (DIPE)	ND	10	83.1	82.4	0.765	82.9	70 - 130	20	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	85.5	83.9	1.93	83.4	70 - 130	20	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	86.2	83.4	3.31	83.1	70 - 130	20	70 - 130
Toluene	ND	10	86.5	87	0.510	88	70 - 130	20	70 - 130
Trichloroethene	ND	10	92.2	90.6	1.77	93.9	70 - 130	20	70 - 130
%SS1:	100	25	99	101	1.86	100	70 - 130	20	70 - 130
%SS2:	100	25	98	98	0	99	70 - 130	20	70 - 130
%SS3:	83	2.5	82	83	1.34	81	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

F1 = MS/MSD recovery was out of acceptance criteria; LCS validated the prep batch.

BATCH 73549 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1212532-001A	12/18/12 11:18 AM	12/21/12	12/21/12 3:34 PM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 73493 | WorkOrder: 1212532

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1212560-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	60	90.6	101	10.9	122	70 - 130	20	70 - 130
MTBE	ND	10	78.4	88.4	11.9	116	70 - 130	20	70 - 130
Benzene	ND	10	83.7	92.9	10.5	97.2	70 - 130	20	70 - 130
Toluene	ND	10	84.7	93.8	10.2	102	70 - 130	20	70 - 130
Ethylbenzene	ND	10	85.6	95.8	11.2	99.6	70 - 130	20	70 - 130
Xylenes	ND	30	85.1	95	10.9	103	70 - 130	20	70 - 130
%SS:	101	10	100	100	0	106	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 73493 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1212532-001B	12/18/12 11:18 AM	12/20/12	12/20/12 2:15 PM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 73404 | WorkOrder: 1212532

EPA Method: SW8015B **Extraction: SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	126	N/A	N/A	70 - 130
%SS:	N/A	625	N/A	N/A	N/A	115	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 73404 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1212532-001B	12/18/12 11:18 AM	12/19/12	12/22/12 8:58 PM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Reported: 12/26/12
San Francisco, CA 94105	Client P.O.:	Date Completed: 01/02/13

WorkOrder: 1212532 A

January 07, 2013

Dear Leonard:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#12071.28; Hollis St.,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

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

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

McCampbell Analytical, Inc.

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www.mccampbell.com / main@mccampbell.com
Telephone: (877) 252-9262 / Fax: (925) 252-9269

212532

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY ☐ 10 DAY ☐

GeoTracker EDF ☑ PDF ☑ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: Leonard Niles	**Bill To:** Carol Ramelb
Company: AllWest	carol@allwest1.com
530 Howard St. #300	choulihan@allwest1.com
SF, CA 94105	**E-Mail:** leonard@allwest1.com
Tele: (415) 391-2510	**Fax:** (415) 391-2008
Project #: 12071.28	**Project Name:** Hollis St.
Project Location: Emeryville, CA	**Purchase Order#**
Sampler Signature:	

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea \ Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other	BTEX & TPH as Gas (8021/ 8015 or 8260) / MTBE	TPH as Diesel (8015) and TPH-mo and TPH-ms w/silica gel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTEX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	gas (8260) added 12-18-12 - 5 days
MW-3	MW-3	12-18-12	1118	3	X								X												X							X	
MW-3	MW-3	12-18-12	1118	1	X								X				X																

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	12/19/12		
	12/19/12	1615	

ICE/t° 1-6

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1212532 A **ClientCode: AWE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Leonard Niles
All West Environmental, Inc
530 Howard Street, Ste.300
San Francisco, CA 94105
(415) 391-2510 FAX: (415) 391-2008

Email: Leonard@allwest1.com
cc: choulihan@allwest1.com; carol@allwest1.c
PO:
ProjectNo: #12071.28; Hollis St.

Bill to:
Darlene Torio
All West Environmental, Inc
530 Howard Street, Ste.300
San Francisco, CA 94105
darlene@allwest1.com

Requested TAT: 5 days
Date Received: **12/19/2012**
Date Add-On: **12/28/2012**
Date Printed: **12/31/2012**

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
1212532-001	MW-3	Water	12/18/2012 11:18	☐	C											

Test Legend:

1	GAS8260_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments: TPH g by 8260 added 12/28/12 5day per email.

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.

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All West Environmental, Inc	Client Project ID: #12071.28; Hollis St.	Date Sampled: 12/18/12
		Date Received: 12/19/12
530 Howard Street, Ste.300	Client Contact: Leonard Niles	Date Extracted 12/21/12
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/21/12

TPH(g) by Purge & Trap and GC/MS*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 1212532

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001C	MW-3	W	21,000	100	93	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

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