P.O. Box 10048 (72917-0048)
3801 Old Greenwood Road
Fort Smith, AR 72903
479.785.8700
abf.com

May 26, 2015

Mr. Mark Detterman, RG, CEG
Senior Hazardous Materials Specialist
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Perjury Statement-**
First Semi-Annual 2015 Groundwater Monitoring Report
ABF Freight System Facility (SLIC Case No. RO#0003033)
4575 Tidewater Avenue
Oakland, California

Dear Mr. Detterman:

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

Sincerely,

Michael K. Rogers
Director, Real Estate
ArcBest Corporation

ABF FREIGHT SYSTEM FACILITY
4575 TIDEWATER AVENUE
OAKLAND, CALIFORNIA
FIRST SEMI-ANNUAL 2015 GROUNDWATER MONITORING REPORT
May 27, 2015

SITE ADDRESS:	4575 Tidewater Avenue Oakland, California	**REGULATORY AGENCY:**	Alameda County Environmental Health Department
		REGULATORY CONTACT:	Mr. Mark Detterman, RG, CEG
PROJECT NO:	154.010.005	**REGULATORY ADDRESS:**	1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577
		REGULATOR'S PHONE:	
		REGULATOR'S EMAIL:	(510) 567-6876 mark.detterman@acgov.org
CONTACT:	Michael Rogers		
ADDRESS:	ABF Freight System Inc. 3801 Old Greenwood Rd. Fort Smith, AR 72903	**REGULATORY AGENCY:**	San Francisco Bay RWQCB (Region 2)
		REGULATORY CONTACT:	Cherie McCaulou
PHONE:	(479) 785-8700	**REGULATORY ADDRESS:**	1515 Clay Street, Suite 1400 Oakland, CA 94612
EMAIL:	mkrogers@arkbest.com		
		REGULATOR'S PHONE:	
LOCAL CASE#:	RO0003033	**REGULATOR'S EMAIL:**	(510) 622-2300 cmccaulou@waterboards.ca.gov
		GEOTRACKER GLOBAL ID:	T0600100018

GAUGING DATE: March 26, 2015
SAMPLING DATE: March 26, 2015
CURRENT SITE STATUS: Operating Truck Transfer Station
MONITORING PERIOD: First Quarter 2015

WORK PERFORMED:

Trinity Source Group, Inc. (Trinity) gauged and sampled site groundwater monitoring wells. Samples were analyzed for gasoline-range total petroleum hydrocarbons as gasoline (TPHg), diesel-range total petroleum hydrocarbons (TPHd) with and without silica gel cleanup by EPA Method 8015; benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX) by EPA Method 8260. Additionally, halogenated volatile organic compounds (HVOCs) and naphthalene were analyzed by EPA Method 8260,

as requested by Alameda County Environmental Health (ACEH) in a letter dated February 24, 2015. The ACEH correspondence is included in Attachment A. The samples were analyzed by ESC Lab Sciences (ELAP # 01157CA). Polynuclear aromatic hydrocarbons (PAHs) were not analyzed during this event, because ACEH approved Trinity's recommendation of discontinuing these analyses as contained in the report, *Soil Vapor Investigation Work Plan,* dated November 20, 2013. The ACEH letter is included in Attachment A.

GROUNDWATER MONITORING:

Number of Wells:	4
Liquid Phase Hydrocarbons (LPH):	None
Wells Gauged:	4
Wells Sampled:	4

GROUNDWATER DATA:

Groundwater Elevation:	Between 6.33 and 7.29 feet above mean sea level
Groundwater Flow:	South-Southwest to Southeast
Hydraulic Gradient:	Ranging between 0.012 and 0.013 feet/feet (ft/ft)

CURRENT STATUS:

Four groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4) were gauged and sampled. Analytical results are included in Table 1. A site location map, site map, groundwater elevation map, and TPHd, benzene, and naphthalene contour maps are presented as Figures 1 through 6, respectively. Trinity's field procedures are included as Attachment B, and field data sheets are included in Attachment C. The certified analytical report, chain-of-custody and GeoTracker upload documentation are included in Attachment D. Purge water disposal documentation from this event will be included in a future report.

Evaluation of the sewer inside the maintenance building as a potential source of light non-aqueous phase liquid (LNAPL) is pending, and is expected to be completed in June 2015. Additional soil borings for LNAPL delineation will be completed after the sewer line evaluation.

Analytical Results Summary

- TPHd analyzed without silica gel cleanup was detected in all four sampled wells at concentrations ranging between 500 micrograms per liter (µg/L) in Well MW-2, and 5,900 µg/L in Well MW-1.
- TPHd analyzed with silica gel cleanup was detected only in two of the four sampled wells at concentrations of 260 µg/L in Well MW-1, and 310 µg/L in Well MW-4.
- TPHg was only detected in Well MW-1 at a concentration of 330 µg/L.
- Benzene was only detected in Well MW-1 at a concentration of 2.7 µg/L.
- Toluene was not detected above the laboratory detection limits in the four sampled wells.
- Ethylbenzene was not detected above the laboratory detection limits in the four sampled wells.
- Total xylenes were only detected in Well MW-1 at a concentration of 2.2 µg/L.

- Naphthalene was detected in Well MW-2 at a concentration of 0.60 µg/L, 1.1 µg/L in Well MW-4, and at 8.7 µg/L in Well MW-1.
- Chloroform was detected at 0.56 µg/L in Well MW-1, and 1,2-dichlorobenzene was detected at 0.65 µg/L in Well MW-4. Otherwise, HVOCs were not detected in any of the wells.

Concentrations were compared to San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for industrial land use, aquatic habitat protection. The only ESL exceedances were TPHd results without silica gel analysis for Wells MW-1, MW-2, and MW-4. Considering the site setting in a tidal marsh adjacent to San Francisco Bay, it is likely that organic material is naturally present in the soils and may be source of the elevated TPHd without silica gel cleanup in site wells.

RECOMMENDATIONS:

Continue semi-annual groundwater monitoring of Wells MW-1 through MW-4 through the end of 2015, to further evaluate plume stability.

Conduct evaluation of the sewer inside the maintenance building as a source of LNAPL, using a vacuum truck to remove the debris and sediment, followed by a video survey. Trinity anticipates conducting this work during June 2015.

Complete soil borings for LNAPL delineation as proposed in the January 9, 2015 *Data Gap Investigation Work Plan and Focused Site Conceptual Model*.

Should you have any questions regarding this document, please call Trinity at (831) 426-5600.

Sincerely,

TRINITY SOURCE GROUP, INC.

Information, conclusions, and recommendations made by Trinity in this document regarding this site have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Debra J. Moser, PG, CEG, CHG
Senior Geologist

Eric Choi
Staff Scientist

ATTACHMENTS:

Table 1:	Groundwater Monitoring Data
Figure 1:	Site Location Map
Figure 2:	Monitoring Well Location Map
Figure 3:	Groundwater Elevation Contour Map – March 26, 2015
Figure 4:	TPHd Concentration Contour Map – March 26, 2015
Figure 5:	Benzene Concentration Contour Map – March 26, 2015
Figure 6:	Naphthalene Concentration Contour Map – March 26, 2015
Attachment A:	Regulatory Letters
Attachment B:	Field Procedures
Attachment C:	Field Data Sheets
Attachment D:	Certified Analytical Report, Chain-of-Custody and GeoTracker Upload Documentation

DISTRIBUTION:

Mr. Mark Detterman
Alameda County Environmental Health Department
via ftp site upload

Ms. Cherie McCaulou
RWQCB-San Francisco Bay Region
via email: CMccaulou@waterboards.ca.gov

Mr. Michael Rogers
ABF Freight System, Inc.
Via email: mkrogers@arkbest.com

TABLE

Table 1
Groundwater Analytical Data
ABF Freight System, Inc.
4575 Tidewater Avenue
Oakland, California

					EPA Method												
					1664A	8015D/G	3511/8015				Volatile Organics: 8260B						
Sample ID	Sample Date	TOC Well Elevation (feet, MSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH Oil & Grease (µg/L)	TPHg (µg/L)	TPHd without silica gel cleanup (µg/L)	TPHmo without silica gel cleanup (µg/L)	TPHd with silica gel cleanup (µg/L)	TPHmo with silica gel cleanup (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Ethyl-benzene (µg/L)	Naph-thalene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Other Detections
MW-1	9/15/1986[a]		NM		NA	4,520	NA	NA	NA	NA	NA	1,590	NA	NA	12	1,000	
	10/17/11	11.12	4.56	6.56	<1,300	660	6,680	110	4,520	33	8.4	11	0.93	56	1.1	3.3	A
	2/8/13	11.12	4.22	6.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/7/13	11.12	4.28	6.84	NA	690	NA	NA	3,000	NA	NA	19	0.60 b	NA	1.0 b	3.1	None
	8/1/13	11.12	5.23	5.89	NA	540	NA	NA	4,700	NA	NA	9.6	0.49 b	NS	0.83 b	2.8 b	None
	2/5/14	11.12	5.58	5.54	NA	360	NA	NA	6,300	NA	NA	1.7	<1.0	51	<5.0	2.6 b	None
	3/26/15	**11.12**	**4.55**	**6.57**	**NA**	**330**	**5,900**	**NA**	**260**	**NA**	**NA**	**2.7**	**<1.0**	**8.7**	**<5.0**	**2.2 b**	**B**
MW-2	9/15/1986[a]		NM		NA	<50	NA	NA	NA	NA	NA	9	NA	NA	<1	<1	
	10/17/11	11.17	3.87	7.30	1,700	<40	730	64	600	69	11	<0.10	<0.11	1.0	<0.15	<0.50	None
	2/8/13	11.17	3.67	7.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/7/13	11.17	4.10	7.07	NA	<100	NA	NA	93 b	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	None
	8/1/13	11.17	4.83	6.34	NS	<100	NA	NA	440	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	none
	2/5/14	11.17	5.15	6.02	NA	<100	NA	NA	370	NA	NA	<1.0	<1.0	2.5 b	<5.0	<3.0	None
	3/26/15	**11.17**	**4.20**	**6.97**	**NA**	**<100**	**500**	**NA**	**<100**	**NA**	**NA**	**<1.0**	**<1.0**	**0.60 b**	**<5.0**	**<3.0**	**None**
MW-3	1/7/13	10.96	3.68	7.28	<10,000	43	NA	NA	300	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	None
	2/8/13	10.96	3.98	6.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/7/13	10.96	4.56	6.40	NA	<100	NA	NA	550	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	None
	8/1/13	10.96	5.24	5.72	NA	<100	NA	NA	700	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	None
	2/5/14	10.96	5.59	5.37	NA	<100	NA	NA	730	NA	NA	<1.0	<1.0	<5.0	<5.0	<3.0	None
	3/26/15	**10.96**	**4.63**	**6.33**	**NA**	**<100**	**590**	**NA**	**<100**	**NA**	**NA**	**<1.0**	**<1.0**	**<1.0**	**<5.0**	**<3.0**	**None**
MW-4	1/7/13	11.60	3.91	7.69	<10,000	<100	NA	NA	540	NA	NA	<1.0	<1.0	NA	<5.0	<3.0	MTBE = 2.1
	2/8/13	11.60	3.31	8.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/7/13	11.60	3.20	8.40	NA	31 b	NA	NA	2,400	NA	NA	2.5	<1.0	NA	<5.0	<3.0	MTBE= 1.2
	8/1/13	11.60	4.53	7.07	NA	<100	NA	NA	1,500	NA	NA	1.9	<1.0	NA	<5.0	<3.0	MTBE= 1.2
	2/5/14	11.60	4.85	6.75	NA	<100	NA	NA	1,200	NA	NA	<1.0	<1.0	<5.0	<5.0	<3.0	None
	3/26/15	**11.60**	**4.31**	**7.29**	**NA**	**<100**	**2,700**	**NA**	**310**	**NA**	**NA**	**<1.0**	**<1.0**	**1.1**	**<5.0**	**<3.0**	**C**
	3/26/15		ESL		640	500	640	640	640	640	1,500	46	43	24	130	100	
			(Industrial Land Use, Non-Drinking Water Source, Aquatic Habitat Protection)														

				Polynuclear Aromatic Hydrocarbons - EPA METHOD 8270C											
Sample ID	Sample Date		Depth to Groundwater (ft)	Acenaphthene (µg/L)	Acenaph-thylene (µg/L)	Benzo (a) anthracene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	1-Methyl naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Phenan-threne (µg/L)	Pyrene (µg/L)	Other Detections
MW-1	10/17/11		4.56	0.69	0.20	ND	0.056	0.049	1.5	31	13	13	0.29	0.041	None
	5/7/13		4.28	0.82	0.24	<0.050	0.065	<0.050	1.5	36	15	14	<0.25	0.029 b	None
	8/1/13		5.23	1.1	0.28	<0.050	0.086	0.068	1.9	56	19	17	0.42	0.059	None
	2/5/14		5.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None
	3/26/15		**4.55**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**None**
MW-2	10/17/11		3.87	0.097	<0.011	ND	<0.013	<0.016	0.022	0.57	0.096	0.088	<0.018	0.021	None
	5/7/13		4.10	0.17	<0.050	<0.050	0.0089 b	<0.050	0.016 b	2.6	0.20 b	0.11 b	<0.050	<0.050	None
	8/1/13		4.83	0.021 b	<0.050	<0.050	<0.050	<0.050	<0.050	<0.25	0.010 b	0.010 b	0.0091 b	0.014 b	None
	2/5/14		5.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None
	3/26/15		**4.20**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**None**

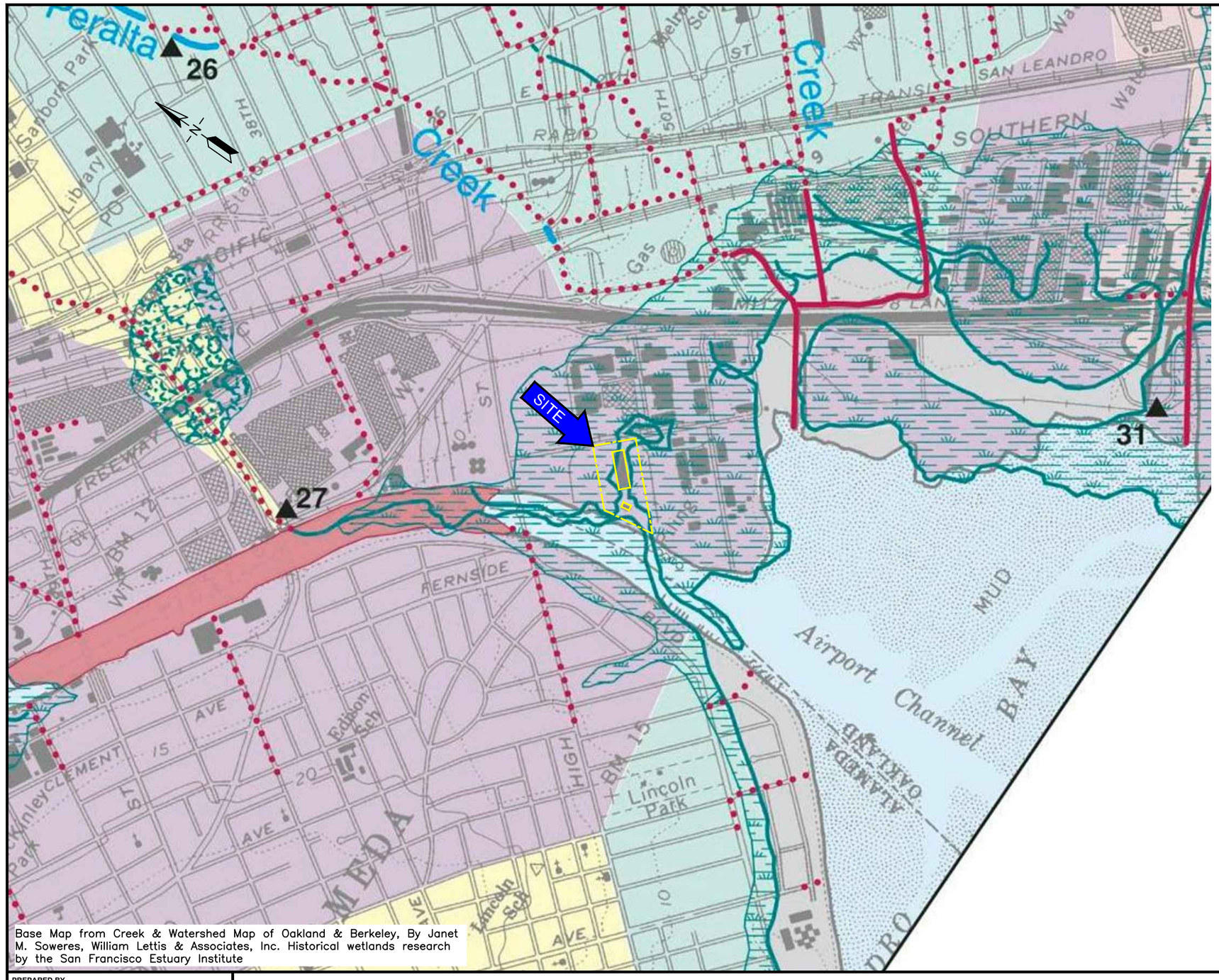
Table 1
Groundwater Analytical Data
ABF Freight System, Inc.
4575 Tidewater Avenue
Oakland, California

Sample ID	Sample Date		Depth to Groundwater (ft)	Polynuclear Aromatic Hydrocarbons - EPA METHOD 8270C												
				Acenaphthene (µg/L)	Acenaph-thylene (µg/L)	Benzo (a) anthracene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	1-Methyl naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Phenan-threne (µg/L)	Pyrene (µg/L)	Other Detections
MW-3	1/7/13		3.68	0.18	<0.25	0.092	<0.25	<0.25	0.32	4.3	2.2	1.2	0.12	<0.25	None
	5/7/13		4.56	0.066	0.014 b	<0.050	0.025 b	<0.050	0.13	0.61	0.62	0.27	0.034 b	<0.050	None
	8/1/13		5.24	0.073	0.015 b	<0.050	0.019 b	<0.050	0.12	0.91	0.65	0.28	0.031 b	<0.050	None
	2/5/14		5.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None
	3/26/15		**4.63**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**None**
MW-4	1/7/13		3.91	0.37	<0.25	0.095	<0.25	<0.25	0.26	1.2	2.1	0.76	0.098	<0.25	None
	5/7/13		3.20	6.5	0.066	<0.050	0.16	0.059	2.4	3.5	18	3.0	2.7	0.051	None
	8/1/13		4.53	4.4	0.24	<0.050	0.10	0.050	3.0	5.8	12	3.3	1.7	0.042 b	None
	2/5/14		4.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None
	3/26/15		**4.31**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**None**
			ESL	23	30	0.027	0.73	8.0	3.9	24	NLE	2.1	4.6	2.0	
			(Industrial Land Use, Non-Drinking Water Source, Aquatic Habitat Protection)												

Notes:

Note: Please reference lab report for all qualifers and notes.
Bold = Most current laboratory data
ID = Identification
TOC = top of casing
MSL = mean sea level
EPA = Environmental Protection Agency
TPHg = Total Petroleum Hydrocarbons, gasoline-range organics
TPHd = Total Petroleum Hydrocarbons, diesel-range organics (sum of C10-C22 and C22-C32 hydrocarbons)
TPHmo = Total Petroleum Hydrocarbons, motor-oil range organics (C32-C40 hydrocarbons)
MTBE = methyl-tert-butyl-ether
ESL = Environmental Screening Level (ESL) listed in *Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater* (December, 2013), San Francisco Bay Regional Water Quality Control Board, California EPA, http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/esl.shtml, updated December 2013
NM = Not measured
NS = Not sampled
NA = Not analyzed
MW = Monitoring Well
µg/L = micrograms per liter (equivalent to parts per billion)
< = not detected at above detection limit
MDL = Minimum detection limit
TPH = Total petroleum hydrocarbons
A = The following analytes were detected above MDL: n-Butylbenzene 2.6 µg/L, sec-Butylbenzene 1.9 µg/L, tert-Butylbenzene 14 µg/L, n-Hexane 7.9 µg/L, Isopropylbenzene 11 µg/L, n-Propylbenzene 21 µg/L, and 1,2,3-trimethylbenzene 1.2 µg/L
B = The following analyte was detected above MDL: chloroform 0.56 µg/L
C = The following analytes were detected above MDL: 1,2-Dichlorobenzene 0.65 µg/L with a "b" note
NLE = No level established
a = Data reported in Weston report dated February 25, 1987; analysis by EPA Methods 5020/8015/8020; Weston report listed "Motor Fuel" analysis which Trinity is reporting under TPHg
b = Estimated value below the lowest calibration point. Confidence correlates with concentration.
c = The sample matrix interfered with the ability to make any accurate determination; spike value is high

FIGURES



EXPLANATION

- Creeks
- Former creeks, buried or drained, and Bay shoreline, circa 1850
- Underground culverts and storm drains
- Engineered channels
- Willow groves, circa 1850
- Beach, circa 1850
- Tidal marsh, circa 1850
- now water
- now fill land
- Bay
- Bay, circa 1850, now fill land
- Artificial bodies of water
- Present watersheds

APPROX. SCALE IN FEET

0 1,000

Base Map from Creek & Watershed Map of Oakland & Berkeley, By Janet M. Soweres, William Lettis & Associates, Inc. Historical wetlands research by the San Francisco Estuary Institute

PREPARED BY
TRINITY source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

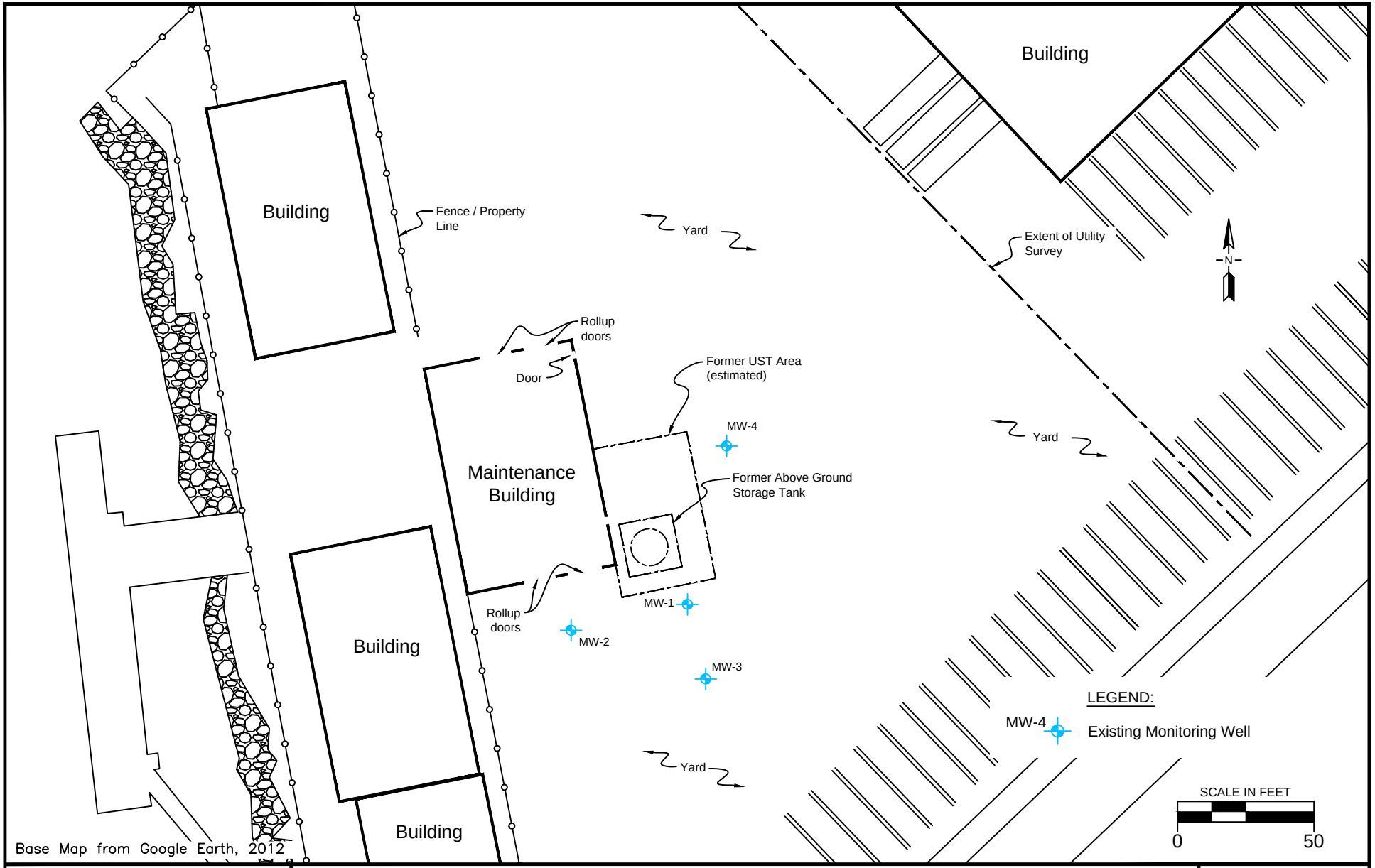
SITE LOCATION MAP

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.010.005

FIGURE: 1

REF. 154_001\154.008.001 fig1.dwg



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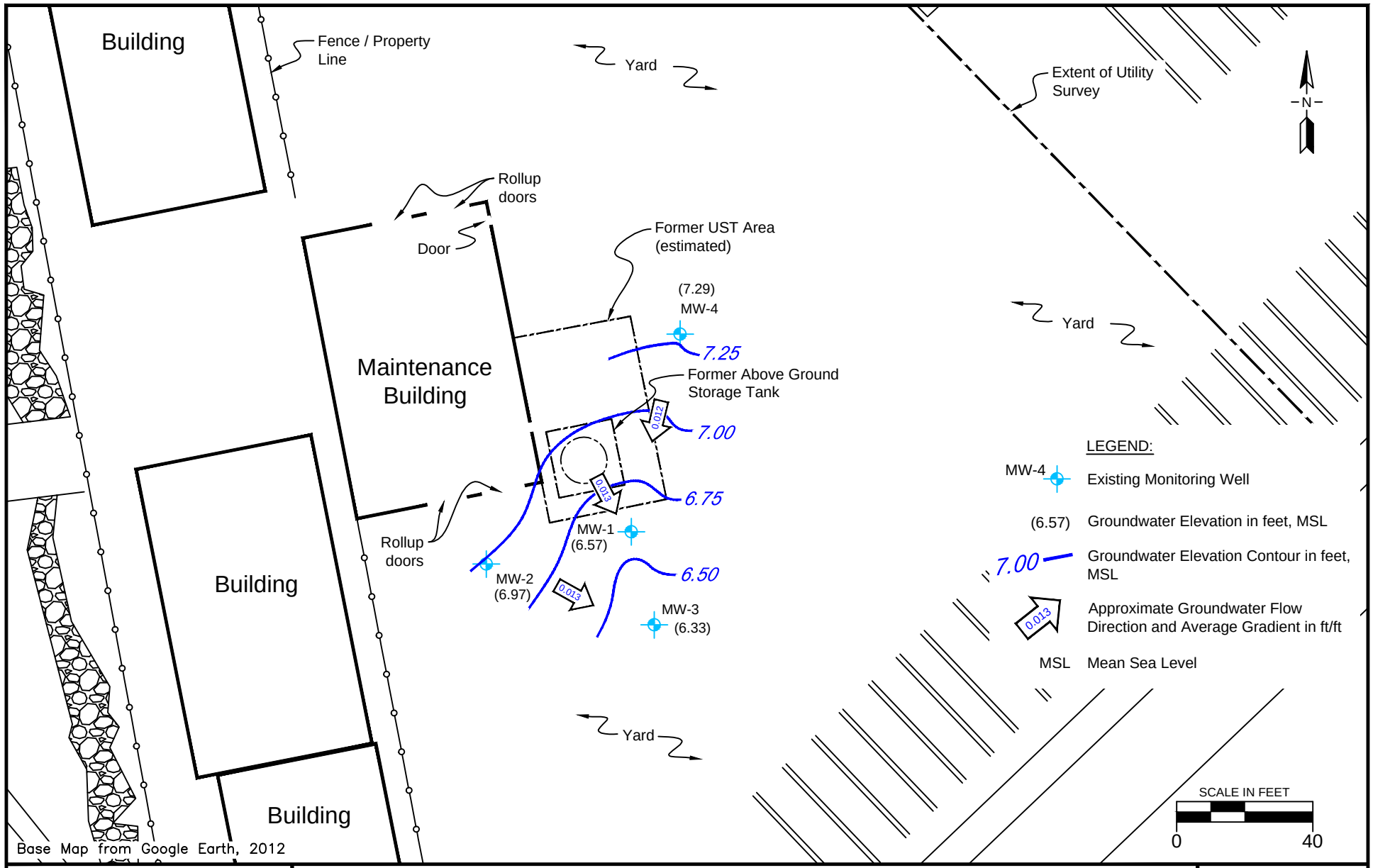
MONITORING WELL LOCATION MAP

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT:
154.010.005

FIGURE:
2

REF. 154_001\154.010.005 20150326 figures.dwg



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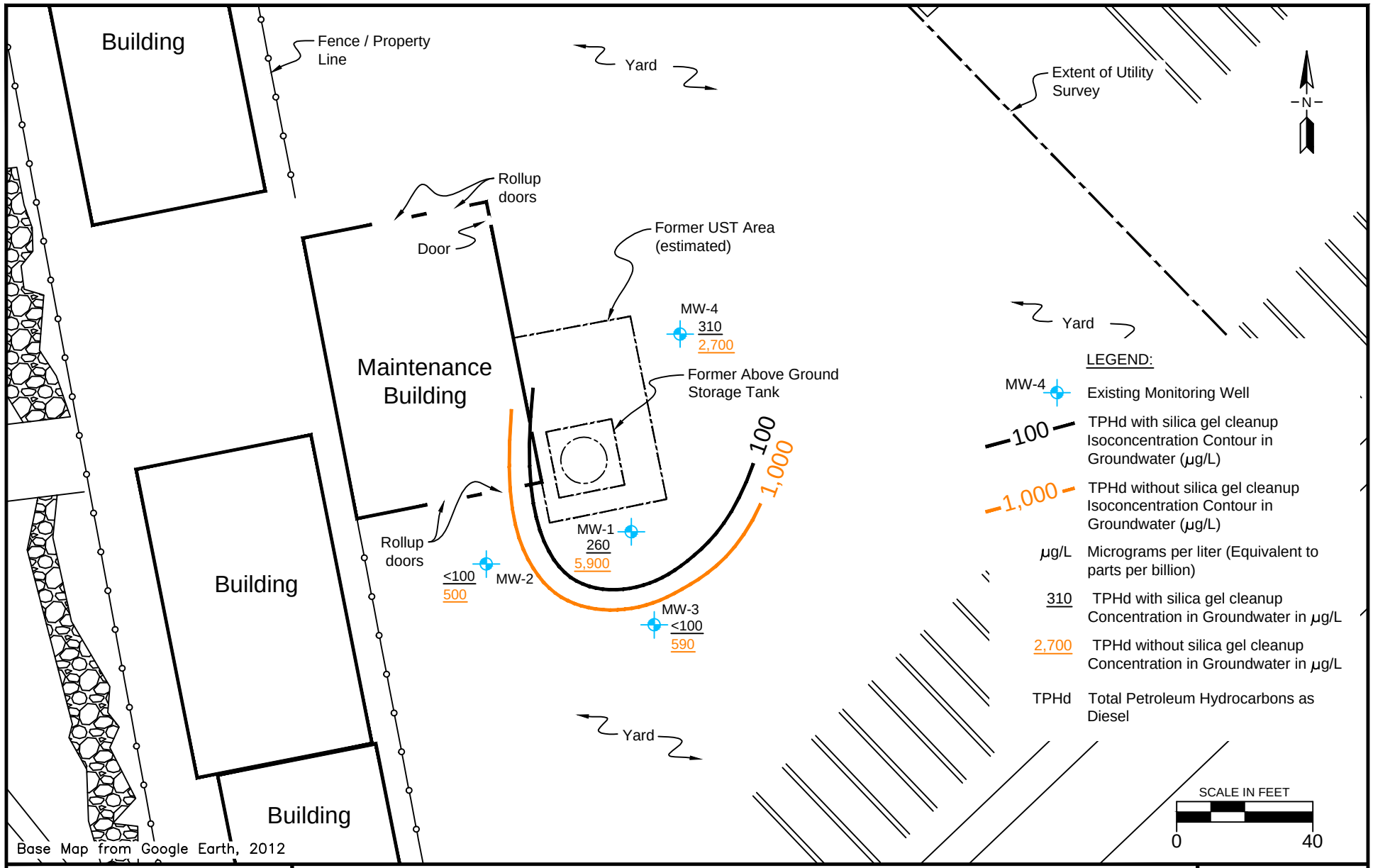
GROUNDWATER ELEVATION CONTOUR MAP, MARCH 26, 2015

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.010.005

FIGURE: 3

REF. 154_001\154.010.005 20150326 figures.dwg



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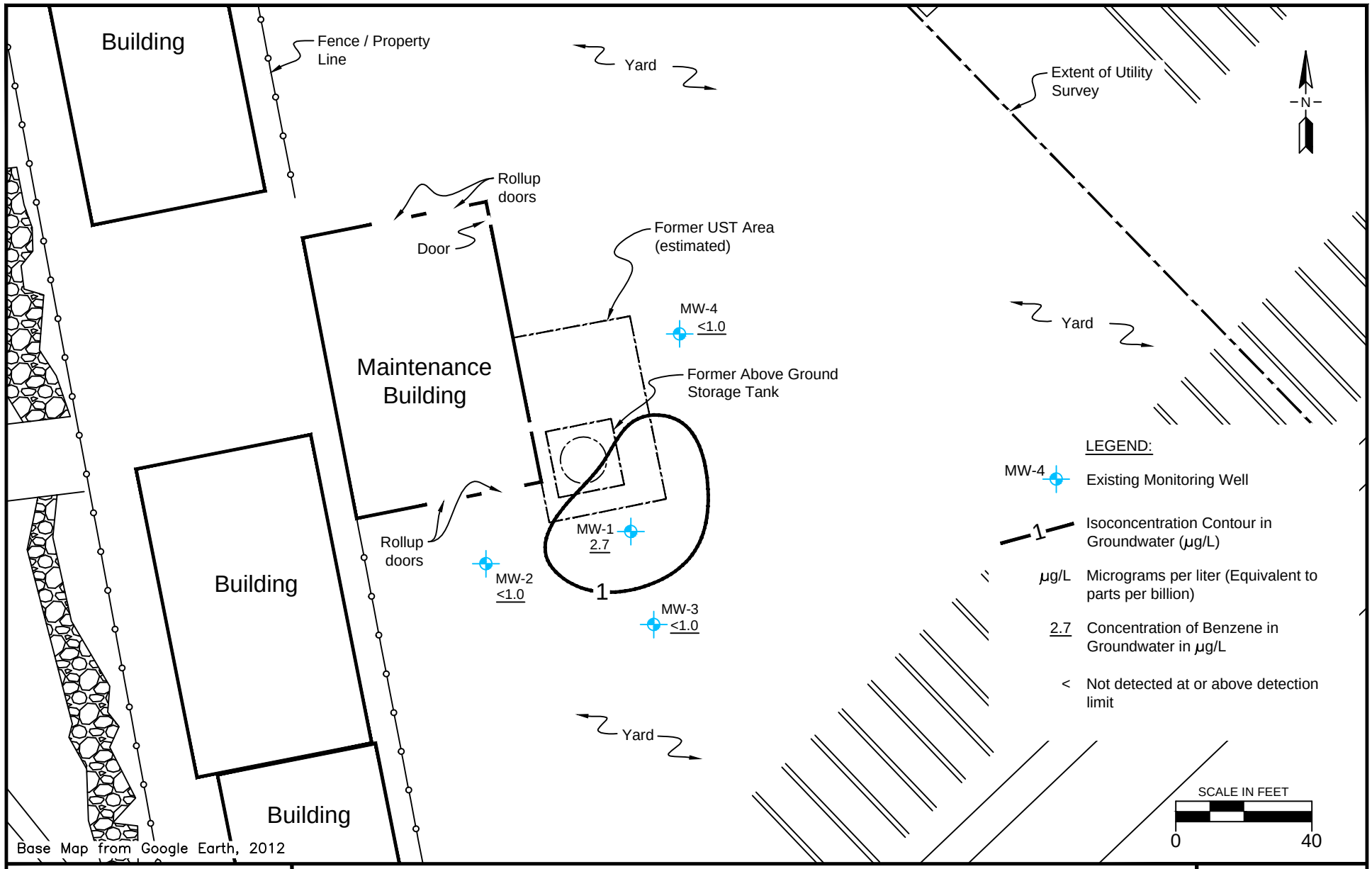
TPHd ISOCONCENTRATION CONTOUR MAP, MARCH 26, 2015

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.010.005

FIGURE: 4

REF. 154_001\154.010.005 20150326 figures.dwg



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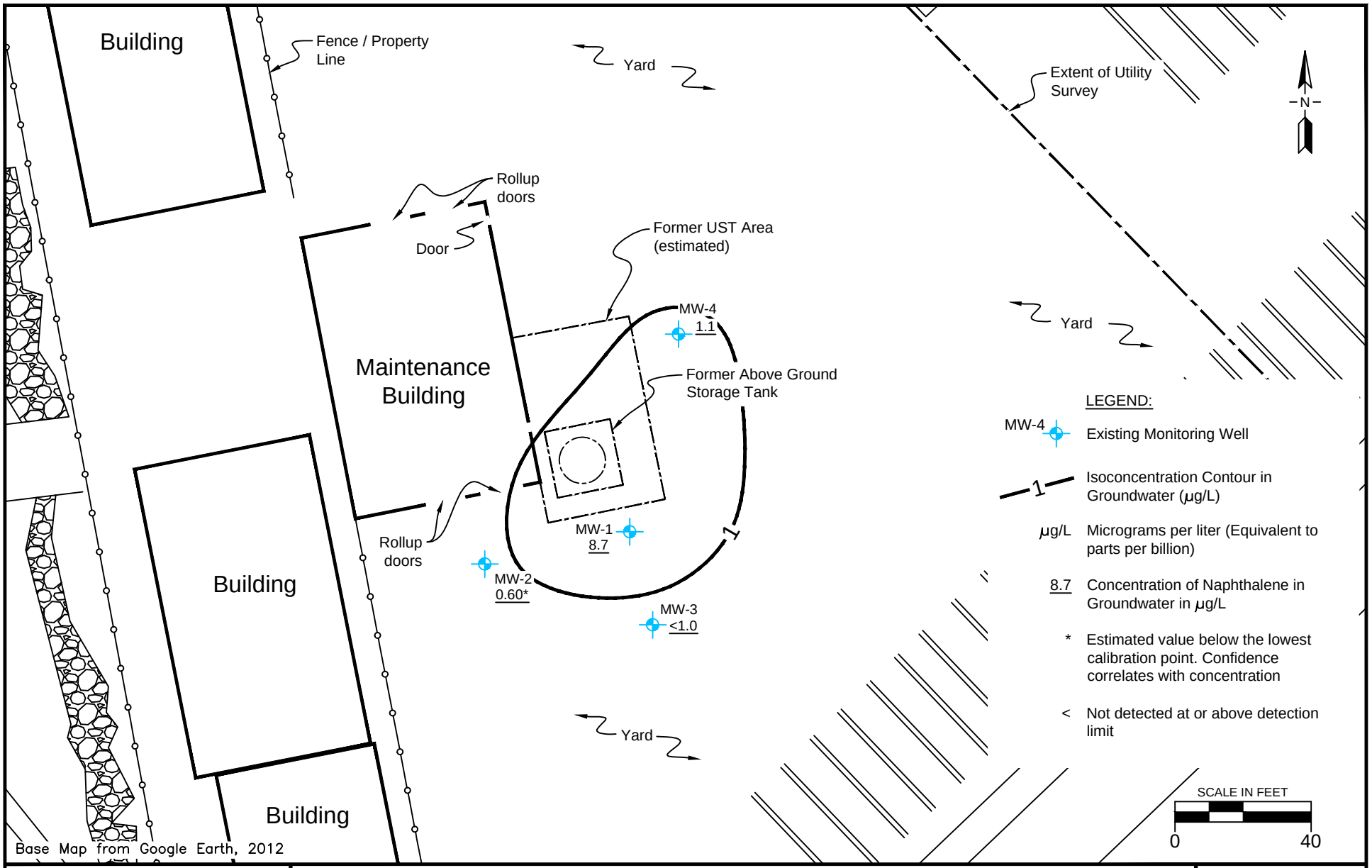
BENZENE ISOCONCENTRATION CONTOUR MAP, MARCH 26, 2015

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.010.005

FIGURE: 5

REF. 154_001\154.010.005 20150326 figures.dwg



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NAPHTHALENE ISOCONCENTRATION CONTOUR MAP, MARCH 26, 2015

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT:
154.010.005

FIGURE:
6

REF. 154_001\154.010.005 20150326 figures.dwg

ATTACHMENT A

REGULATORY LETTERS

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

February 24, 2015

Arkansas Bandag Corporation
PO Box 10048
Fort Smith AR 72917

Mr. Mike Rogers
ABF Freight Systems, Inc.
PO Box 10048
Fort Smith AR 72917
(sent via electronic mail to mrogers@arcb.com)

Subject: Modified Work Plan Approval; Fuel Leak Case No. RO0003033 and GeoTracker Global ID T0600100018, and Site Cleanup Program Case No. RO0003134 and GeoTracker Global ID T00000005825; ABF Freight Systems and ABF Freight Maintenance Shop, 4575 Tidewater Avenue, Oakland, CA 94601

Dear Mr. Rogers:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the *Data Gap Investigation Work Plan and Focused Site Conceptual Model,* dated January 9, 2015, and prepared by the Trinity Source Group, Inc (Trinity). Thank you for submitting the work plan. The work plan was considered by Trinity to be an appropriate initial response to both the petroleum and chlorinated solvent cases at the subject site.

Based on ACEH staff review of the referenced documents and of the case file we generally concur with the recently proposed scope of work, provided that the modifications requested in the technical comments below are addressed and incorporated during the implementation, unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, submit the requested document, and upon ACEH approval, perform the proposed work, and send us the technical reports requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Identification of Release Location(s)** – The referenced work plan proposes a video survey of the onsite sanitary sewer lines in an effort to determine potential release locations that may be associated with the onsite sanitary sewer. Providing that the sanitary sewer laterals beneath the building, and not the nearby underground storage tank (UST), is the potential source of the Light Non-Aqueous Phased Liquid (LNAPL) and the chlorinated solvents (PCE and TCE), this appears to be a reasonable approach.

   The work plan indicates that followup hand augered and/or direct push soil bores may potentially be installed, but at unspecified locations due to the uncertain location of potential sewer line breaks. ACEH is in general agreement with this approach; however, judges that soil bores will be required to define the extent of LNAPL downgradient of SB-4 (and likely towards the southwest). ACEH is also concerned that the installation of temporary soil bores may not suffice in determining if the LNAPL has been removed to the extent practicable. Additional actions, such as a recovery well, may be required. With the intent of shortening the investigation phase, ACEH requests the submittal of a data packet including the video survey results, any data, and

preliminary recommendations for additional actions in a step-wise, potentially iterative process, by the date identified below, prior to submitting a summary report for the investigation.

2. **Proposed Use of Silica Gel Cleanup** – In October 2014 the staff toxicologist for the San Francesco Bay Regional Water Quality Control Board (RWQCB) clarified the position of the RWQCB on the use of Silica Gel Cleanup (SGC) at sites and stated that when SGC is used duplicate samples must be submitted. Of significance for this site is the proximity of the estuary shoreline to the site. The RWQCB specifically emphasized the effect of SGC on the length of a groundwater plume, including degraded hydrocarbon (polar) products, and the toxicity to aquatic life posed by the degraded hydrocarbon (polar) products. In order to maintain consistency with the RWQCB, ACEH requests that duplicate soil and groundwater samples be submitted for samples in which SGC is requested to be analyzed for.

3. **Laboratory Analysis** – Please additionally include methyl-tert butyl either (MTBE) the suite; there is no added cost and analysis for the chemical is required by the Low Threat Closure Policy.

4. **Groundwater Monitoring** – Due to the length of time since groundwater was monitored (February 2014), ACEH requests that groundwater monitoring be resumed at the site. Please place the site in a semi-annual groundwater monitoring program with sampling in February (or earliest thereafter) and August of a year. Please include naphthalene and chlorinated solvents into the analytical suite. Please submit reports by the dates identified below.

TECHNICAL REPORT REQUEST

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

- **April 10, 2015** – Data Packet and Recommendations (by email)
  File to be named: RO3033__R_yyyy-mm-dd
- **May 29, 2015** – First Semiannual 2015 Groundwater Monitoring Report
  File to be named: RO3033_GWM_R_yyyy-mm-dd
- **June 12, 2013** – Site Investigation (Tentative date)
  File to be named: RO3033_SWI_R_yyyy-mm-dd
- **October 23, 2015** – Second Semiannual 2015 Groundwater Monitoring Report
  File to be named: RO3033_GWM_R_yyyy-mm-dd

These reports are 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.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2015.02.24 12:03:49 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Debra Moser, Trinity Source Group, Inc, 500 Chestnut Street, Suite 225, Santa Cruz, CA 95060
(sent via electronic mail to djm@tsgcorp.net)

Dilan Roe, ACEH, (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are 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.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "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." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 23, 2013

Arkansas Bandag Corporation
PO Box 10048
Fort Smith AR 72917

Mr. Mike Rogers
ABF Freight Systems, Inc.
PO Box 10048
Fort Smith AR 72917
(sent via electronic mail to mkrogers@arkbest.com)

Subject: Approval of Data Gap Investigation Work Plan; Fuel Leak Case No. RO0003033 and GeoTracker Global ID T0600100018, ABF Freight Systems, 4575 Tidewater Avenue, Oakland, CA 94601

Dear Mr. Rogers:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the *Soil Vapor Investigation Work Plan,* dated November 20, 2013. The report was prepared by the Trinity Source Group, Inc (Trinity). Thank you for the report. The report was submitted to initiate investigations to address the last remaining data gap at the site, principally vapor intrusion from potential waste oil contaminants.

With regards to the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP), ACEH has evaluated site data and recommendations presented in the above-mentioned reports, in conjunction with the case files, and the LTCP. Based on ACEH staff review, we have determined that the site fails to meet the LTCP General Criteria b (Release Only Consists of Petroleum), e (Site Conceptual Model), potentially the Media-Specific Criteria for Groundwater, and the Media-Specific Criteria for Vapor Intrusion to Indoor Air (see Geotracker for a copy of the LTCP checklist). Each is associated with the detection of tetrachloroethene (PCE) above appropriate Environmental Screening Levels (ESLs) levels in sub-slab vapor samples at the site.

Based on ACEH staff review of the referenced documents and of the case file we generally concur with the recently proposed scope of work, provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or technical comments below is proposed. We request that you address the following technical comments, submit the requested document, and upon ACEH approval, perform the proposed work, and send us the technical reports requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Human Health Exposure Determination** – ACEH is in general agreement with the proposed scope of work that will employ passive soil gas samplers to rapidly determine the spacial distribution of PCE contamination in the subsurface in the vicinity of the maintenance shop at the subject site. The scope of work is approved as an exploratory survey only as the results are only relative and are not directly comparable to remedial goals; followup confirmation sampling, in accordance with Department of Toxic Substances Control (DTSC), with reproducible results will be required. Please ensure the methodology adheres to Appendix A of the *Active Soil Gas Investigation Advisory* (DTSC, April 2012). Please include information, figures, and tables in the soil gas investigation report in accordance with

Section 2 of the *Active Soil Gas Investigation Advisory*. Please also describe QA / QC protocols in the final report, and submit the report by the date identified below.

TECHNICAL REPORT REQUEST

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

- **March 3, 2014** – Soil Gas Investigation Report
  File to be named: RO3033_SWI_R_yyyy-mm-dd

These reports are 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.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o, ou, email=mark.detterman@acgov.org, c=US
Date: 2013.12.23 09:54:38 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Debra Moser, Trinity Source Group, Inc, 500 Chestnut Street, Suite 225, Santa Cruz, CA 95060 (sent via electronic mail to djm@tsgcorp.net)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements: http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "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." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

It appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) require submission of all reports in electronic form to the county's FTP site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single Portable Document Format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT B

FIELD PROCEDURES

FIELD PROCEDURES

The following section describes procedures used by field personnel in the performance of groundwater sampling.

Groundwater Level and Total Depth Determination

A water level indicator is lowered down the well and a measurement of the depth to water from an established reference point on the casing is taken. The indicator probe is used to sound the bottom of the well and a measurement of the total depth of the well is taken. Both the water level and total depth measurements are taken to the nearest 0.01-foot.

Visual Analysis of Groundwater

Prior to purging and sampling groundwater-monitoring wells, a water sample is collected from each well for subjective analysis. The visual analysis involves gently lowering a clean, disposable polyethylene bailer to approximately one-half the bailer length past the water table interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating product or the appearance of a petroleum product sheen. If measurable free product is noted in the bailer, a water/product interface probe is used to determine the thickness of the free product to the nearest 0.01-foot. The thickness of free product is determined by subtracting the depth to product from the depth to water.

Monitoring Well Purging and Sampling

Monitoring wells are purged by removing approximately three casing volumes of water from the well using a clean disposable bailer or electrical submersible purge pump. Purge volumes are calculated prior to purging. During purging, the temperature, pH, and electrical conductivity of the purge water are monitored. The well is considered to be sufficiently purged when the four casing volumes have been removed; the temperature, pH, and conductivity values have stabilized to within 10% of the initial readings; and the groundwater being removed is relatively free of suspended solids. After purging, groundwater levels are allowed to stabilize to within 80% of the initial water level reading. A water sample is then collected from each well with a clean, disposable polyethylene bailer. If the well is bailed or pumped dry prior to removing the minimum amount of water, the groundwater is allowed to recharge. If the well has recharged to within 80% of the initial depth to water reading within two hours, the well will continue to be purged until the minimum volume of water has been removed. If the well has not recharged to at least 80% of the initial depth to water reading within two hours, the well is considered to contain formational water and a groundwater sample is collected. Groundwater removed from the well is stored in 55-gallon drums at the site and labeled pending disposal.

In wells where free product is detected, the wells will be bailed to remove the free product. An estimate of the volume of product and water will be recorded. If the free product thickness is reduced to the point where a measurable thickness is no longer present in the well, a groundwater sample will be collected. If free product persists throughout the purging process, a final free product thickness measurement will be taken and a groundwater sample will not be collected.

Groundwater samples are stored in 40-milliliter vials so that air passage through the sample is minimized (to prevent volatilization of the sample). The vial is tilted and filled slowly until an upward convex meniscus forms over the mouth of the vial. The Teflon™ side of the septum (in cap) is then placed against the meniscus, and the cap is screwed on tightly. The sample is then inverted and the bottle is tapped lightly to

check for air bubbles. If an air bubble is present in the vial, the cap is removed and more sample is transferred from the bailer. The vial is then resealed and rechecked for air bubbles. The sample is then appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. The chain-of-custody form is completed to ensure sample integrity. Groundwater samples are transported to a state-certified laboratory and analyzed within the U.S. Environmental Protection Agency-specified hold times for the specified analytes.

ATTACHMENT C

FIELD DATA SHEETS

TRINITY
source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

Well Purge and Sampling Log

Site: ABF Freight

Sampler: DG

Date: 3.26.15 Project #: 154

Well ID: MW-1

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
4"	18.00	4.55	12V pump	Bailer

Purge Volume Calculation

TD 18.00 DTW 4.55 = 13.45 x Gallons per Linear Foot 0.65 = 8.7 x Number of Casings 3 = ~26 gallons

Time (24 hour)	1106	1110	1114	1118	1122		
Gallons Purged	5	10	15	20	25		
DO (mg/L)	2.44	1.96	1.13	0.80	0.39		
pH	7.11	6.92	6.91	6.86	6.84		
Temperature (°C)	20.5	20.7	20.6	20.7	20.9		
Conductivity (umhos/cm)	3886	3836	3344	3204	3146		
ORP (mV)	-134	-138	-139	-137	-135		
Visual Description	clear/yellowish	→	→	→	→		
Other							
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-1	1130	8	40mL	VOA	HCl	

Notes: Moderate Petro Odor

Always sample when well recharge is 80% or greater

0.8 x DTW_____ + TD_____ - 0.8 x TD_____ = Target DTW after purge_____

Casing Diameter	Gallons per Linear Foot
0.75"	0.0229
1.25"	0.077
1.5"	0.10
2"	0.16
3"	0.37
3.5"	0.50
4"	0.65
6"	1.46
8"	2.60

TRINITY
source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

Well Purge and Sampling Log

Site: ABF Freight

Sampler: DG

Date: 3.26.15 Project #: 154

Well ID: MW-2

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
4"	14.20	4.20	12v pump	Bailer

Purge Volume Calculation

TD 14.20 - DTW 4.20 = 10 x Gallons per Linear Foot 0.65 = 6.5 x Number of Casings 3 = ~19.5 gallons

Time (24 hour)	920	922	924	926	928		
Gallons Purged	5	10	15	17	19.5		
DO (mg/L)	1.84	1.04	0.54	0.36	0.29		
pH	6.54	6.63	6.58	6.59	6.61		
Temperature (°C)	20.8	20.2	20.6	20.3	20.5		
Conductivity (umhos/cm)	15.87	2339	2023	2066	2073		
ORP (mV)	-134	-135	-132	-130	-125		
Visual Description	Clear/yellowish →						
Other							
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-2	9:35	8	40mL	VOA	HCl	

Notes: Slight petro odor

Always sample when well recharge is 80% or greater

0.8 x DTW_____ + TD_____ - 0.8 x TD_____ = Target DTW after purge_____

Casing Diameter	Gallons per Linear Foot
0.75"	0.0229
1.25"	0.077
1.5"	0.10
2"	0.16
3"	0.37
3.5"	0.50
4"	0.65
6"	1.46
8"	2.60

Well Purge and Sampling Log

TRINITY source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

Site: ABF Freight

Sampler: DG

Date: 3.26.15 Project #: 154

Well ID: MW-3

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
2"	9.50	4.63	~~Hydropump~~ Bailer	Bailer

Purge Volume Calculation

TD 9.50 - DTW 4.63 = 4.9 x Gallons per Linear Foot 0.16 = 0.784 x Number of Casings 3 = ~2.3 gallons

Time (24 hour) switched to gallons	0.5	1	1.5	2	2.2		
Gallons Purged	955	956	957	958	959		
DO (mg/L)	1.83	1.04	0.62	0.53	0.48		
pH	6.57	6.54	6.55	6.61	6.60		
Temperature (°C)	20.5	20.6	20.4	20.3	20.4		
Conductivity (umhos/cm)	10.33	10.38	10.43	10.55	10.61		
ORP (mV)	-140	-142	-144	-150	-152		
Visual Description	clear/yellowish →						
Other							
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-3	1000	8	40ml	VOA	HCL	

Notes: NO ODOR

Always sample when well recharge is 80% or greater
0.8 x DTW_____ + TD_____ - 0.8 x TD_____ = Target DTW after purge_____

Casing Diameter	Gallons per Linear Foot
0.75"	0.0229
1.25"	0.077
1.5"	0.10
2"	0.16
3"	0.37
3.5"	0.50
4"	0.65
6"	1.46
8"	2.60

TRINITY
source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

Well Purge and Sampling Log

Site: ABF Freight

Sampler: DG

Date: 3.26.15 Project #: 154

Well ID: MW-4

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
2"	10.20	4.31	Bailer	Bailer

Purge Volume Calculation

TD 10.20 - DTW 4.30 = 5.89 x Gallons per Linear Foot 0.16 = 0.942 x Number of Casings 3 = ~2.8 gallons

Time (24 hour)	1040	1041	1042	1043	1044	1045	
Gallons Purged	0.5	1	1.5	2	2.5	2.7	
DO (mg/L)	3.19	1.42	1.04	0.93	0.62	0.46	
pH	6.91	6.77	6.76	6.70	6.68	6.67	
Temperature (°C)	19.0	19.1	19.1	19.2	19.0	19.1	
Conductivity (umhos/cm)	3523	3395	3390	3381	3331	3332	
ORP (mV)	-142	-144	-145	-145	-146	-148	
Visual Description	clear/yellowish →					→	
Other							
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-4	1050	8	40ml	VOA	HCL	

Notes:

NO ODOR

Always sample when well recharge is 80% or greater

0.8 x DTW_____ + TD_____ - 0.8 x TD_____ = Target DTW after purge_____

Casing Diameter	Gallons per Linear Foot
0.75"	0.0229
1.25"	0.077
1.5"	0.10
2"	0.16
3"	0.37
3.5"	0.50
4"	0.65
6"	1.46
8"	2.60

TRINITY
source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

TRINITY WELLHEAD INSPECTION FORM

Site Address: (ABF) 4575 Tidewater Ave. Date: 3.26.15

Project No.: 154 Technician: DG Page: 1 of 1

Well ID	Well Inspected-No Corrective Action Required	Well Box Meets Compliance Requirements *see below	Water Pumped From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	yes	yes	No	No	No	No	No	No	
MW-2	↓	↓	↓	yes	↓	↓	↓	↓	*Expanding well cap replaced
MW-3				No					
MW-4	↓	↓	↓	No	↓	↓	↓	↓	

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE AND CORRECT

Notes:

TRINITY
source group, inc.
Environmental Consultants
119 Encinal Street
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

Drum Disposal Log

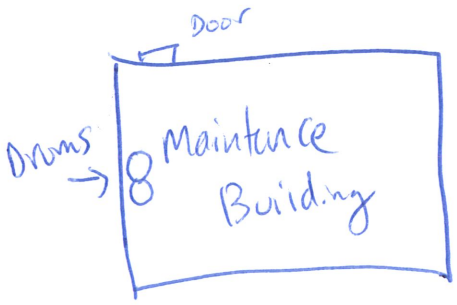
Site: ABF Freight

Project No. 154

Drums to Be Disposed

	soil	water
Date of Field Work:	3.26.15	
Field Technician:	DG	
Number of drum(s) Empty:		
Number of drum(s) 1/4 full:		1
Number of drum(s) 1/2 full:		
Number of drum(s) 3/4 full:		
Number of drum(s) full:		1
Total drum(s) on site:		2
Are drum(s) properly labeled?		yes
Drum ID and Contents:		Purge/Decon

Sketch of drum location:



Notes:
All Trinity drums MUST be labeled appropriately.
Describe location of drum(s); **attach map**:
Are drums in locked enclosure? yes, not locked

Need to be onsite for pickup? Key or combo?

Profiling: Already on file?
If new profile is needed:
Lab:
Analytes:

Disposal Details

		Initial when complete
Ready to pickup?		
Date pickup requested		
Date pickup completed		
Date paperwork received (scan to server)		
Any unusual conditions?		
Does contractor require form?		

Drum Disposal Contractor Contact Information:

(For Valero provide EWO or Work Order # for Belshire to direct bill)

Belshire Environmental Services
Adam Burton
(949) 460-5200 cell (949) 279-1664
adam@belshire.com

Were drums delivered by the disposal contractor?

If the contamination is not related solely to a UST release of virgin petroleum product, the following soil analytical data is required and must be less than 1 year old.

- TPH (Method 8015)
- VOC's (Method 8260) Including MTBE
- Title 22 Metals Including Mercury (EPA Method 6010B and 7471A)
- PCB's (Method 8082) (Only if waste oil contamination involved)
- Any Other Potentially Hazardous Constituents of Concern

Field Data Sheet

Depth to Water Data Form

Site Information

4575 Tidewater Ave — Project Address
3.26.15 — Date
154 — Project Number
Oakland — City
Alameda — County
CA — State

TRINITY source group, inc.
Environmental Consultants
500 Chestnut Street, Suite 225
Santa Cruz, CA 95060
v: 831.426.5600 f: 831.426.5602

Water Level Equipment

☒ Electronic Indicator
☐ Oil Water Interface Probe
☐ Other (Specify)_____

Measured by: DG
Name

Notes:_____

Well ID	DTW Order	Time (2400)	Total Depth	First DTW (toc or tob)	Second DTW (toc or tob)	Depth to SPH (toc or tob)	SPH Thickness (toc or tob)	Notes: (describe SPH)
MW-1	4th	0850	18.00	4.55	4.55			
MW-2	1st	0838	14.20	4.20	4.20			
MW-3	2nd	0845	9.50	4.63	4.63			
MW-4	3rd	0855	10.20	4.31	4.31			

Signature_____

ATTACHMENT D

CERTIFIED ANALYTICAL REPORT, CHAIN-OF-CUSTODY AND GEOTRACKER UPLOAD DOCUMENTATION

12065 Lebanon Rd.
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

David Reinsma
Trinity Source Group - Santa Cruz, CA
119 Encinal Street
Santa Cruz, CA 95060

Report Summary

Tuesday April 14, 2015

Report Number: L756295
Samples Received: 03/28/15
Client Project: 154.010

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jarred Willis

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-01

Date Received : March 28, 2015
Description :

Site ID :

Sample ID : MW-1

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 11:30

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPHG C5 - C12	330	30.	100	ug/l		8015	04/07/15	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.8			% Rec.		8015	04/07/15	1
Volatile Organics								
Benzene	2.7	0.33	1.0	ug/l		8260B	04/05/15	1
Toluene	U	0.78	5.0	ug/l		8260B	04/05/15	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	04/05/15	1
Total Xylenes	2.2	1.1	3.0	ug/l	J	8260B	04/05/15	1
Methyl tert-butyl ether	U	1.0	5.0	ug/l		8260B	04/05/15	1
Naphthalene	8.7	0.37	1.0	ug/l		8260B	04/05/15	1
Bromodichloromethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Bromoform	U	0.47	1.0	ug/l		8260B	04/05/15	1
Carbon tetrachloride	U	0.38	1.0	ug/l		8260B	04/05/15	1
Chlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
Chloroethane	U	0.45	5.0	ug/l		8260B	04/05/15	1
Chloroform	0.56	0.32	5.0	ug/l	J	8260B	04/05/15	1
Chloromethane	U	0.28	2.5	ug/l		8260B	04/05/15	1
Chlorodibromomethane	U	0.33	1.0	ug/l		8260B	04/05/15	1
1,2-Dichlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
1,3-Dichlorobenzene	U	0.22	1.0	ug/l		8260B	04/05/15	1
1,4-Dichlorobenzene	U	0.27	1.0	ug/l		8260B	04/05/15	1
Dichlorodifluoromethane	U	0.55	5.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethane	U	0.26	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloroethane	U	0.36	1.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
cis-1,2-Dichloroethene	U	0.26	1.0	ug/l		8260B	04/05/15	1
trans-1,2-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloropropane	U	0.31	1.0	ug/l		8260B	04/05/15	1
cis-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
trans-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
Methylene Chloride	U	1.0	5.0	ug/l		8260B	04/05/15	1
1,1,1,2-Tetrachloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Tetrachloroethene	U	0.37	1.0	ug/l		8260B	04/05/15	1
1,1,1-Trichloroethane	U	0.32	1.0	ug/l		8260B	04/05/15	1
1,1,2-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Trichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
Trichlorofluoromethane	U	1.2	5.0	ug/l		8260B	04/05/15	1
Vinyl chloride	U	0.26	1.0	ug/l		8260B	04/05/15	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	04/05/15	1
Dibromofluoromethane	97.1			% Rec.		8260B	04/05/15	1
4-Bromofluorobenzene	101.			% Rec.		8260B	04/05/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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L756295-01 (DROCALVI) - T2

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Est. 1970

REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-01

Date Received : March 28, 2015
Description :

Site ID :

Sample ID : MW-1

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 11:30

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	5900	25.	100	ug/l		8015	03/30/15	1
Surrogate Recovery								
o-Terphenyl	89.9			% Rec.		8015	03/30/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/14/15 10:56 Printed: 04/14/15 11:11
L756295-01 (DROCALVI) - T2

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-02

Site ID :

Project # : 154.010

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Sample ID : MW-2

Collected By : Drew Gagnier
Collection Date : 03/26/15 09:35

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPHG C5 - C12	U	30.	100	ug/l		8015	04/07/15	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		8015	04/07/15	1
Volatile Organics								
Benzene	U	0.33	1.0	ug/l		8260B	04/05/15	1
Toluene	U	0.78	5.0	ug/l		8260B	04/05/15	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	04/05/15	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	04/05/15	1
Methyl tert-butyl ether	U	1.0	5.0	ug/l		8260B	04/05/15	1
Naphthalene	0.60	0.37	1.0	ug/l	J	8260B	04/05/15	1
Bromodichloromethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Bromoform	U	0.47	1.0	ug/l		8260B	04/05/15	1
Carbon tetrachloride	U	0.38	1.0	ug/l		8260B	04/05/15	1
Chlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
Chloroethane	U	0.45	5.0	ug/l		8260B	04/05/15	1
Chloroform	U	0.32	5.0	ug/l		8260B	04/05/15	1
Chloromethane	U	0.28	2.5	ug/l		8260B	04/05/15	1
Chlorodibromomethane	U	0.33	1.0	ug/l		8260B	04/05/15	1
1,2-Dichlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
1,3-Dichlorobenzene	U	0.22	1.0	ug/l		8260B	04/05/15	1
1,4-Dichlorobenzene	U	0.27	1.0	ug/l		8260B	04/05/15	1
Dichlorodifluoromethane	U	0.55	5.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethane	U	0.26	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloroethane	U	0.36	1.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
cis-1,2-Dichloroethene	U	0.26	1.0	ug/l		8260B	04/05/15	1
trans-1,2-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloropropane	U	0.31	1.0	ug/l		8260B	04/05/15	1
cis-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
trans-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
Methylene Chloride	U	1.0	5.0	ug/l		8260B	04/05/15	1
1,1,1,2-Tetrachloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Tetrachloroethene	U	0.37	1.0	ug/l		8260B	04/05/15	1
1,1,1-Trichloroethane	U	0.32	1.0	ug/l		8260B	04/05/15	1
1,1,2-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Trichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
Trichlorofluoromethane	U	1.2	5.0	ug/l		8260B	04/05/15	1
Vinyl chloride	U	0.26	1.0	ug/l		8260B	04/05/15	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	04/05/15	1
Dibromofluoromethane	98.9			% Rec.		8260B	04/05/15	1
4-Bromofluorobenzene	105.			% Rec.		8260B	04/05/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
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L756295-02 (DROCALVI) - T2

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-02

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Site ID :

Sample ID : MW-2

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 09:35

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	500	25.	100	ug/l		8015	03/30/15	1
Surrogate Recovery								
o-Terphenyl	91.6			% Rec.		8015	03/30/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-03

Site ID :

Project # : 154.010

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Sample ID : MW-3

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPHG C5 - C12	U	30.	100	ug/l		8015	04/07/15	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8015	04/07/15	1
Volatile Organics								
Benzene	U	0.33	1.0	ug/l		8260B	04/05/15	1
Toluene	U	0.78	5.0	ug/l		8260B	04/05/15	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	04/05/15	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	04/05/15	1
Methyl tert-butyl ether	U	1.0	5.0	ug/l		8260B	04/05/15	1
Naphthalene	U	0.37	1.0	ug/l		8260B	04/05/15	1
Bromodichloromethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Bromoform	U	0.47	1.0	ug/l		8260B	04/05/15	1
Carbon tetrachloride	U	0.38	1.0	ug/l		8260B	04/05/15	1
Chlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
Chloroethane	U	0.45	5.0	ug/l		8260B	04/05/15	1
Chloroform	U	0.32	5.0	ug/l		8260B	04/05/15	1
Chloromethane	U	0.28	2.5	ug/l		8260B	04/05/15	1
Chlorodibromomethane	U	0.33	1.0	ug/l		8260B	04/05/15	1
1,2-Dichlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
1,3-Dichlorobenzene	U	0.22	1.0	ug/l		8260B	04/05/15	1
1,4-Dichlorobenzene	U	0.27	1.0	ug/l		8260B	04/05/15	1
Dichlorodifluoromethane	U	0.55	5.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethane	U	0.26	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloroethane	U	0.36	1.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
cis-1,2-Dichloroethene	U	0.26	1.0	ug/l		8260B	04/05/15	1
trans-1,2-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloropropane	U	0.31	1.0	ug/l		8260B	04/05/15	1
cis-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
trans-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
Methylene Chloride	U	1.0	5.0	ug/l		8260B	04/05/15	1
1,1,1,2-Tetrachloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Tetrachloroethene	U	0.37	1.0	ug/l		8260B	04/05/15	1
1,1,1-Trichloroethane	U	0.32	1.0	ug/l		8260B	04/05/15	1
1,1,2-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Trichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
Trichlorofluoromethane	U	1.2	5.0	ug/l		8260B	04/05/15	1
Vinyl chloride	U	0.26	1.0	ug/l		8260B	04/05/15	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	04/05/15	1
Dibromofluoromethane	98.0			% Rec.		8260B	04/05/15	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/05/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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L756295-03 (DROCALVI) - T2

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-03

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Site ID :

Sample ID : MW-3

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	590	25.	100	ug/l		8015	03/30/15	1
Surrogate Recovery								
o-Terphenyl	71.8			% Rec.		8015	03/30/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
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L756295-03 (DROCALVI) - T2

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-04

Site ID :

Project # : 154.010

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Sample ID : MW-4

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:50

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPHG C5 - C12	U	30.	100	ug/l		8015	04/07/15	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8015	04/07/15	1
Volatile Organics								
Benzene	U	0.33	1.0	ug/l		8260B	04/05/15	1
Toluene	U	0.78	5.0	ug/l		8260B	04/05/15	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	04/05/15	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	04/05/15	1
Methyl tert-butyl ether	U	1.0	5.0	ug/l		8260B	04/05/15	1
Naphthalene	1.1	0.37	1.0	ug/l		8260B	04/05/15	1
Bromodichloromethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Bromoform	U	0.47	1.0	ug/l		8260B	04/05/15	1
Carbon tetrachloride	U	0.38	1.0	ug/l		8260B	04/05/15	1
Chlorobenzene	U	0.35	1.0	ug/l		8260B	04/05/15	1
Chloroethane	U	0.45	5.0	ug/l		8260B	04/05/15	1
Chloroform	U	0.32	5.0	ug/l		8260B	04/05/15	1
Chloromethane	U	0.28	2.5	ug/l		8260B	04/05/15	1
Chlorodibromomethane	U	0.33	1.0	ug/l		8260B	04/05/15	1
1,2-Dichlorobenzene	0.65	0.35	1.0	ug/l	J	8260B	04/05/15	1
1,3-Dichlorobenzene	U	0.22	1.0	ug/l		8260B	04/05/15	1
1,4-Dichlorobenzene	U	0.27	1.0	ug/l		8260B	04/05/15	1
Dichlorodifluoromethane	U	0.55	5.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethane	U	0.26	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloroethane	U	0.36	1.0	ug/l		8260B	04/05/15	1
1,1-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
cis-1,2-Dichloroethene	U	0.26	1.0	ug/l		8260B	04/05/15	1
trans-1,2-Dichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
1,2-Dichloropropane	U	0.31	1.0	ug/l		8260B	04/05/15	1
cis-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
trans-1,3-Dichloropropene	U	0.42	1.0	ug/l		8260B	04/05/15	1
Methylene Chloride	U	1.0	5.0	ug/l		8260B	04/05/15	1
1,1,1,2-Tetrachloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Tetrachloroethene	U	0.37	1.0	ug/l		8260B	04/05/15	1
1,1,1-Trichloroethane	U	0.32	1.0	ug/l		8260B	04/05/15	1
1,1,2-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/05/15	1
Trichloroethene	U	0.40	1.0	ug/l		8260B	04/05/15	1
Trichlorofluoromethane	U	1.2	5.0	ug/l		8260B	04/05/15	1
Vinyl chloride	U	0.26	1.0	ug/l		8260B	04/05/15	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	04/05/15	1
Dibromofluoromethane	98.6			% Rec.		8260B	04/05/15	1
4-Bromofluorobenzene	105.			% Rec.		8260B	04/05/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/14/15 10:56 Printed: 04/14/15 11:11
L756295-04 (DROCALVI) - T2

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-04

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Site ID :

Sample ID : MW-4

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:50

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	2700	25.	100	ug/l		8015	03/30/15	1
Surrogate Recovery								
o-Terphenyl	69.0			% Rec.		8015	03/30/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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L756295-04 (DROCALVI) - T2

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-05

Site ID :

Project # : 154.010

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Sample ID : MW-1 SGT

Collected By : Drew Gagnier
Collection Date : 03/26/15 11:30

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	260	25.	100	ug/l		8015	04/01/15	1
Surrogate Recovery								
o-Terphenyl	102.			% Rec.		8015	04/01/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/14/15 10:56 Printed: 04/14/15 11:11

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-06

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Site ID :

Sample ID : MW-2 SGT

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 09:35

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	U	25.	100	ug/l		8015	04/01/15	1
Surrogate Recovery								
o-Terphenyl	106.			% Rec.		8015	04/01/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/14/15 10:56 Printed: 04/14/15 11:11

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-07

Site ID :

Project # : 154.010

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Sample ID : MW-3 SGT

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	U	25.	100	ug/l		8015	04/01/15	1
Surrogate Recovery								
o-Terphenyl	86.9			% Rec.		8015	04/01/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 04/14/15 10:56 Printed: 04/14/15 11:11

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
119 Encinal Street
Santa Cruz, CA 95060

April 14, 2015

ESC Sample # : L756295-08

Date Received : March 28, 2015
Description : 1st SA 2015 GWM

Site ID :

Sample ID : MW-4 SGT

Project # : 154.010

Collected By : Drew Gagnier
Collection Date : 03/26/15 10:50

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Diesel Range Organics California								
C12-C22 Hydrocarbons	310	25.	100	ug/l		8015	04/01/15	1
Surrogate Recovery								
o-Terphenyl	79.6			% Rec.		8015	04/01/15	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
MDL = Minimum Detection Limit = LOD = TRRP SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 04/14/15 10:56 Printed: 04/14/15 11:11

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L756295-01	WG779968	SAMP	Total Xylenes	R3029109	J
	WG779968	SAMP	Chloroform	R3029109	J
L756295-02	WG779968	SAMP	Naphthalene	R3029109	J
L756295-04	WG779968	SAMP	1,2-Dichlorobenzene	R3029109	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Trinity Source Group - Santa Cruz, CA

119 Encinal Street
Santa Cruz, CA 95060

Billing Information:
Accounts Payable- Mindi Lawrence
119 Encinal Street
Santa Cruz, CA 95060

Report to: David Reinsma
Email To: labstrinity@gmail.com

Project Description: 1st SA 2015 GWM
City/State Collected: Oakland, CA

Phone: 831-426-5600
Fax: (831)426-5602
Client Project # 154.010.
Lab Project # 154.010.

Collected by (print): Drew Gagnier
Site/Facility ID #
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TPH gas - 8015	TPH diesel w/silica Gel Cleanup - 8015	TPHdiesel - 8015	BTEX, MTBE, Naphthalene - 8260	Rem./Contaminant	Sample # (lab only)
MW-1	GRAB	GW		3.26.15	1130	8	X	X	X	X		-01
MW-2	↓	↓		↓	0935	↓	↓	↓	↓	↓		02
MW-3					1000							03
MW-4	↓	↓		↓	1050	↓	↓	↓	↓	↓		04

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L756295
Table # C222
Acctnum: TRINITYSCCA
Template:
Prelogin:
TSR: 358 - Jarred Willis
PB:
Shipped Via:

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Global ID: T0600100018 5547 0242

pH _____ Temp _____
2939
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
ERIC CHOI	3/26/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____
Temp: 3.4 °C Bottles Received: 32 VP
Date: 3/28/15 Time: 0900

Condition: F (lab use only) OK
COC Seal Intact: ___Y ___N ___NA
pH Checked: NCF:

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**GEO_WELL**
Report Title:	**First Semi-Annual 2015 Depth-to-water data**
Facility Global ID:	**T0600100018**
Facility Name:	**ABF FREIGHT SYSTEMS**
File Name:	**Geo_Well.zip**
Organization Name:	**Trinity Source Group, Inc.**
Username:	**TRINITY SOURCE GROUP**
IP Address:	**63.249.96.11**
Submittal Date/Time:	**5/20/2015 12:54:00 PM**
Confirmation Number:	**2518592178**

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	First Semi-Annual 2015 Groundwater Monitoring Report
Report Type:	Monitoring Report - Semi-Annually
Facility Global ID:	T0600100018
Facility Name:	ABF FREIGHT SYSTEMS
File Name:	L756295_EDF.zip
Organization Name:	Trinity Source Group, Inc.
Username:	TRINITY SOURCE GROUP
IP Address:	63.249.96.11
Submittal Date/Time:	5/27/2015 2:54:53 PM
Confirmation Number:	9190985143

VIEW QC REPORT

VIEW DETECTIONS REPORT