ABF FREIGHT SYSTEM, INC.
P.O. Box 10048
Fort Smith, AR 72917-0048
479-785-8700

abf.com

RECEIVED
By Alameda County Environmental Health at 11:38 am, May 28, 2013

May 24, 2013

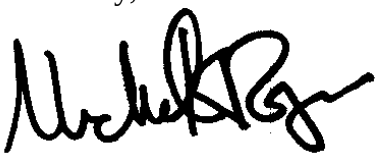
Mr. Mark Detterman, RG, CEG
Senior Hazardous Materials Specialist
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Perjury Statement-**
Second Quarter 2013 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
Arkansas Best Corporation

TRINITY source group, inc.
Environmental Consultants

ABF FREIGHT SYSTEM FACILITY
4575 TIDEWATER AVENUE
OAKLAND, CALIFORNIA
SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT
MAY 24, 2013

SITE ADDRESS:	4575 Tidewater Avenue Oakland, California	**REGULATORY AGENCY:**	Alameda County Environmental Health Department
		REGULATORY CONTACT:	Mr. Mark Detterman, RG, CEG
PROJECT NO:	154.005.001	**REGULATORY ADDRESS:**	1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577
		REGULATOR'S PHONE:	(510) 567-6876
		REGULATOR'S EMAIL:	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:	(510) 622-2300
LOCAL CASE#:	RO0003033	**REGULATOR'S EMAIL:**	cmccaulou@waterboards.ca.gov
		GEOTRACKER GLOBAL ID:	T0600100018

GAUGING DATE: May 7, 2013
SAMPLING DATE: May 7, 2013
CURRENT SITE STATUS: Operating Truck Transfer Station
MONITORING PERIOD: Second Quarter 2013

WORK PERFORMED:

Groundwater monitoring wells were gauged and sampled by Trinity Source Group, Inc. (Trinity). Samples were analyzed for the presence of gasoline-range total petroleum hydrocarbons as gasoline (TPHg), diesel-range total petroleum hydrocarbons using silica gel cleanup (TPHd), benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), methyl tertiary butyl ether (MTBE), and polynuclear

aromatic hydrocarbons (PAH) by EPA Method 8270. The samples were analyzed by ESC Lab Sciences (ELAP # 01157CA).

GROUNDWATER MONITORING:

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

GROUNDWATER DATA:

Groundwater Elevation:	Between 6.40 and 8.40 feet above mean sea level
Groundwater Flow:	South-Southwest to Southeast
Hydraulic Gradient:	Ranging between 0.014 and 0.038 feet/feet (ft/ft)

CURRENT STATUS:

Four groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4) were gauged and sampled by Trinity.

Results of the first semi-annual 2013 sampling event are included in Table 1. A site location map, site map, groundwater elevation, TPHd, benzene, and naphthalene contour maps are presented as Figures 1 through 6, respectively. Trinity's field procedures are included as Attachment A, and Trinity's field data sheets are included in Attachment B. The certified analytical report, chain-of-custody and GeoTracker upload documentation are included in Attachment C. Purge water and soil disposal documentation for well installation and development activities during first quarter 2013 are included as Attachment D. Purge water disposal documentation for this event will be included in the next groundwater monitoring report.

Analytical Results Summary

- TPHg was detected in two wells at a concentration of 31 micrograms per liter (µg/L) in Well MW-4 and 690 µg/L in Well MW-1.
- TPHd was detected in all four wells at concentrations ranging from 93 µg/L in Well MW-2 to 3,000 µg/L in Well MW-1.
- Benzene was detected in two wells at a concentration of 2.5 µg/L in Well MW-4 and 19 µg/L in Well MW-1.
- Toluene was detected in one well at a concentration of 1.0 µg/L in Well MW-1.
- Ethylbenzene was detected in one well at a concentration of 0.60 µg/L in Well MW-1.
- Total xylenes were detected in one well at a concentration of 3.1 µg/L in Well MW-1.
- MTBE was detected in one well at a concentration of 1.2 µg/L in Well MW-4.
- Acenaphthene was detected in four wells at concentrations ranging from 0.066 µg/L in Well MW-3 to 6.5 µg/L in Well MW-4.
- Acenaphthylene was detected in three wells at concentrations ranging from 0.014 µg/L in Well MW-3 to 0.24 µg/L in Well MW-1.
- Anthracene was detected in all four wells at concentrations ranging from 0.0089 µg/L in Well MW-2 to 0.16 µg/L in Well MW-4.

- Fluoranthene was detected in one well at a concentration of 0.059 µg/L in Well MW-4.
- Fluorene was detected in all four wells at concentrations ranging from 0.016 µg/L in Well MW-2 to 2.4 µg/L in Well MW-4.
- Naphthalene was detected in all four wells at concentrations ranging from 0.61 µg/L in Well MW-3 to 36 µg/L in Well MW-1.
- 1-Methylnaphthalene was detected in all four wells at concentrations ranging from 0.62 µg/L in Well MW-3 to 18 µg/L in Well MW-4.
- 2-Methylnaphthalene was detected in all four wells at concentrations ranging from 0.11 µg/L in Well MW-2 to 14 µg/L in Well MW-1.
- Phenanthrene was detected in two wells at a concentration of 0.034 µg/L in Well MW-3 and 2.7 µg/L in Well MW-4.
- Pyrene was detected in two wells at a concentration of 0.029 µg/L in Well MW-1 and 0.051 µg/L in Well MW-4.

Concentrations were compared to San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for industrial land use, aquatic habitat protection. The TPHg in Well MW-1, TPHd in Wells MW-1 and MW-4, and naphthalene in Well MW-1 are the only reported detections that exceed ESLs this quarter.

RECOMMENDATIONS:

Continue quarterly groundwater monitoring of Wells MW-1 through MW-4, for two more events to determine the range and variability of groundwater concentrations around the site.

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

William Rice
Staff Geologist

ATTACHMENTS:

Table 1:	Groundwater Monitoring Data
Figure 1:	Site Location Map
Figure 2:	Site Map
Figure 3:	Groundwater Elevation Contour Map – May 7, 2013
Figure 4:	TPHd Concentration Contour Map – May 7, 2013
Figure 5:	Benzene Concentration Contour Map – May 7, 2013
Figure 6:	Naphthalene Concentration Contour Map – May 7, 2013
Attachment A:	Field Procedures
Attachment B:	Field Data Sheets
Attachment C:	Certified Analytical Report, Chain-of-Custody and GeoTracker Upload Documentation
Attachment D:	Purge Water and Soil Disposal Documentation

DISTRIBUTION:

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Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Ms. Cherie McCaulou
RWQCB-San Francisco Bay Region
1515 Clay St., Suite 1400
Oakland, CA 94612

TABLE

Table 1
Groundwater Analytical Data

ABF Freight System, Inc.
4575 Tidewater Avenue
Oakland, California

Sample ID	Sample Date	TOC Well Elevation (feet, MSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	EPA Method: 1664A	EPA Method: 8015D/G	EPA Method: 3511/8015				EPA Method: Volatile Organics: 8260B						
					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]		NA		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**	**NS**	**690**	**NS**	**NS**	**3,000**	**NS**	**NS**	**19**	**0.60 b**	**NS**	**1.0 b**	**3.1**	**none**
MW-2	9/15/1986[a]		NA		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**	**NS**	**<100**	**NS**	**NS**	**93 b**	**NS**	**NS**	**<1.0**	**<1.0**	**NS**	**<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**	**NS**	**<100**	**NS**	**NS**	**550**	**NS**	**NS**	**<1.0**	**<1.0**	**NS**	**<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**	**NS**	**31 b**	**NS**	**NS**	**2,400**	**NS**	**NS**	**2.5**	**<1.0**	**NS**	**<5.0**	**<3.0**	**MTBE= 1.2**
			ESL		640	500	640	640	640	640	1,500	46	43	24	130	100	
			(Industrial Land Use, Non-Drinking Water Source, Aquatic Habitat Protection)														

Sample ID	Sample Date		Depth to Groundwater (ft)	Polynuclear Aromatic Hydrocarbons - EPA METHOD 8270C: Acenaph-thene (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**
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**
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**
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**
			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)												

Table 1
Groundwater Analytical Data

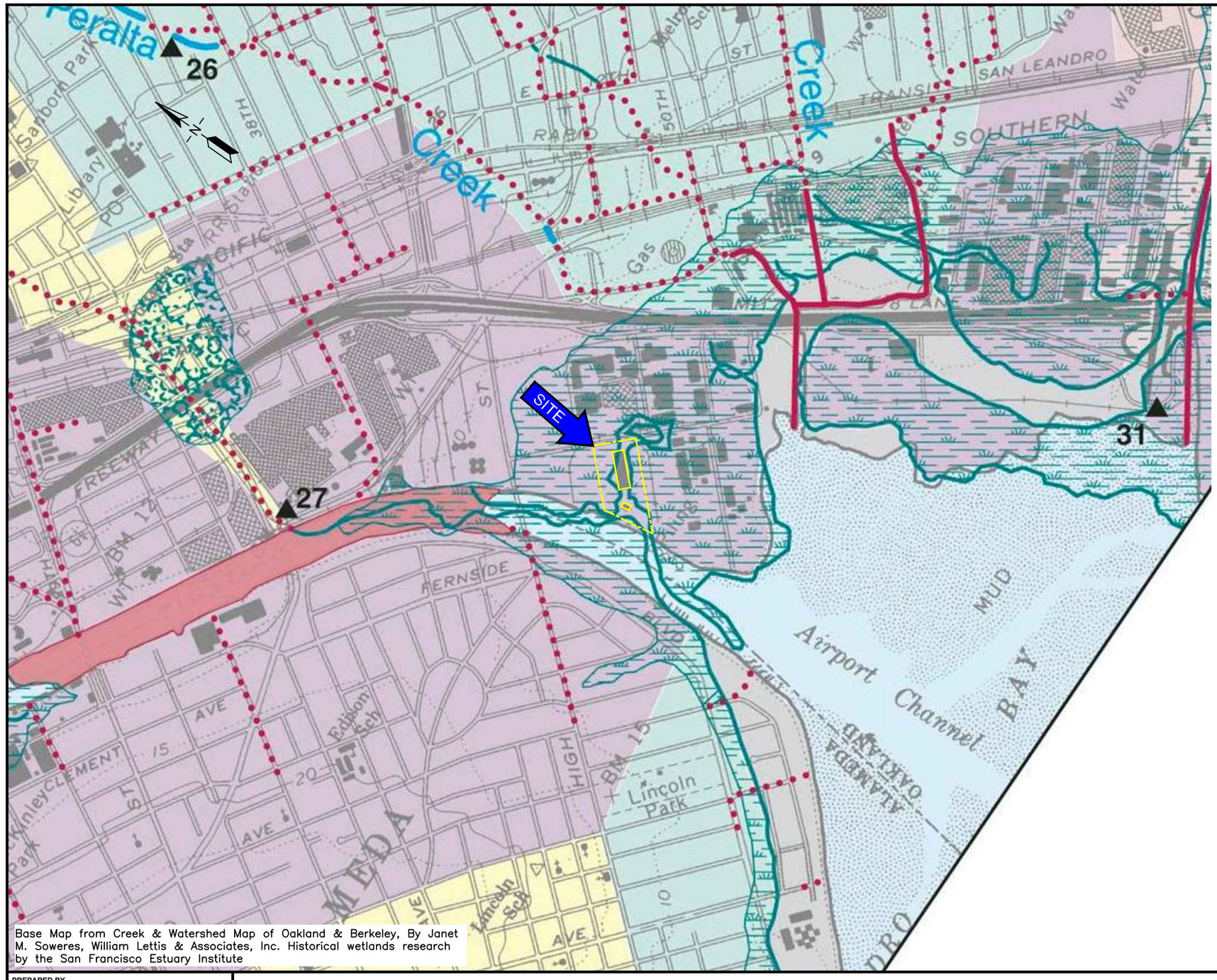
ABF Freight System, Inc.
4575 Tidewater Avenue
Oakland, California

					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

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* (November 2007), San Francisco Bay Regional Water Quality Control Board, California EPA, http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/esl.shtml, updated February 2013
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
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



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

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

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

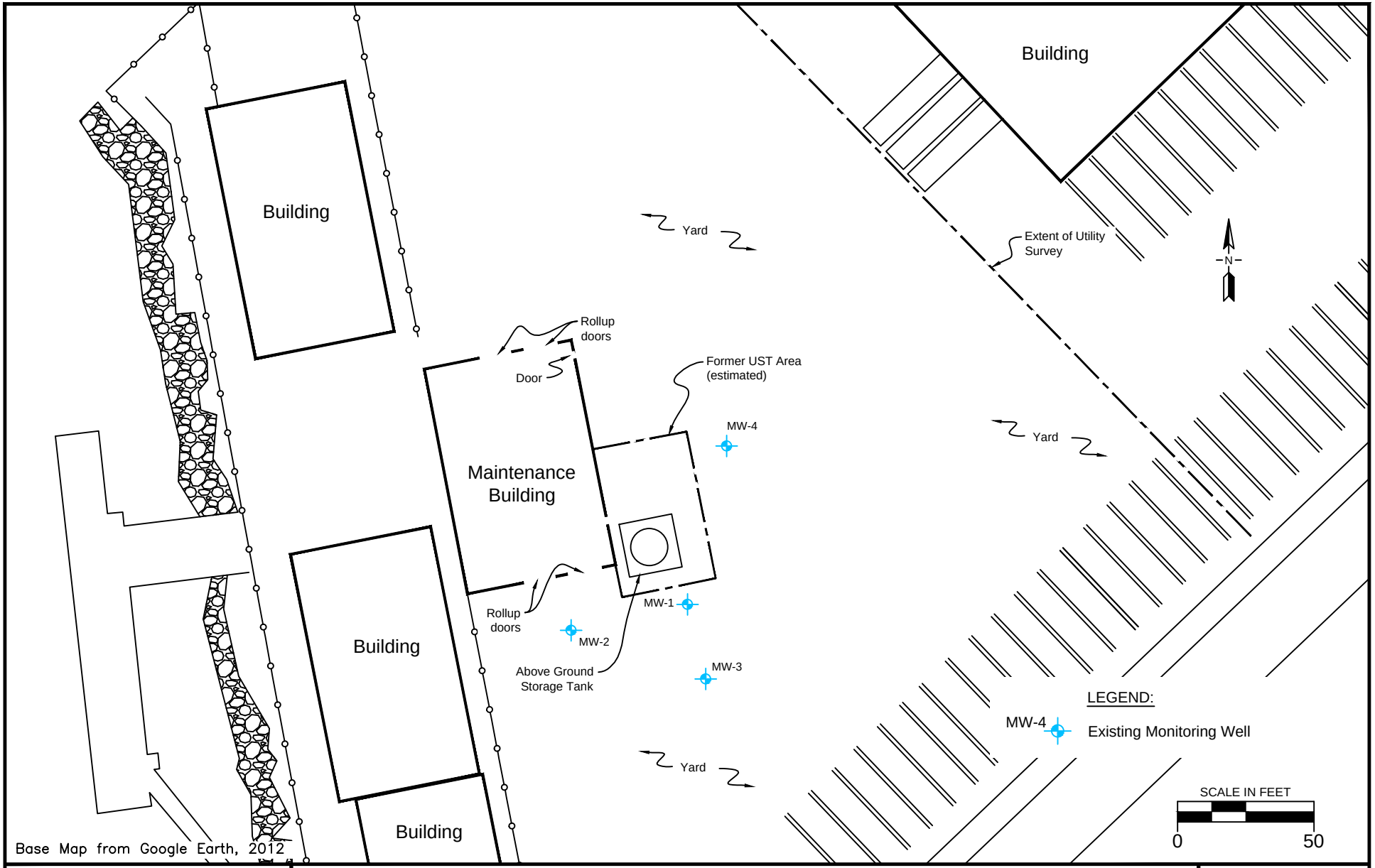
SITE LOCATION MAP

ABF Freight System Facility
4575 Tidewater Ave.
Oakland, California

PROJECT: 154.005.001

FIGURE: 1

REF. 154_001\154.004.001 fig1.dwg



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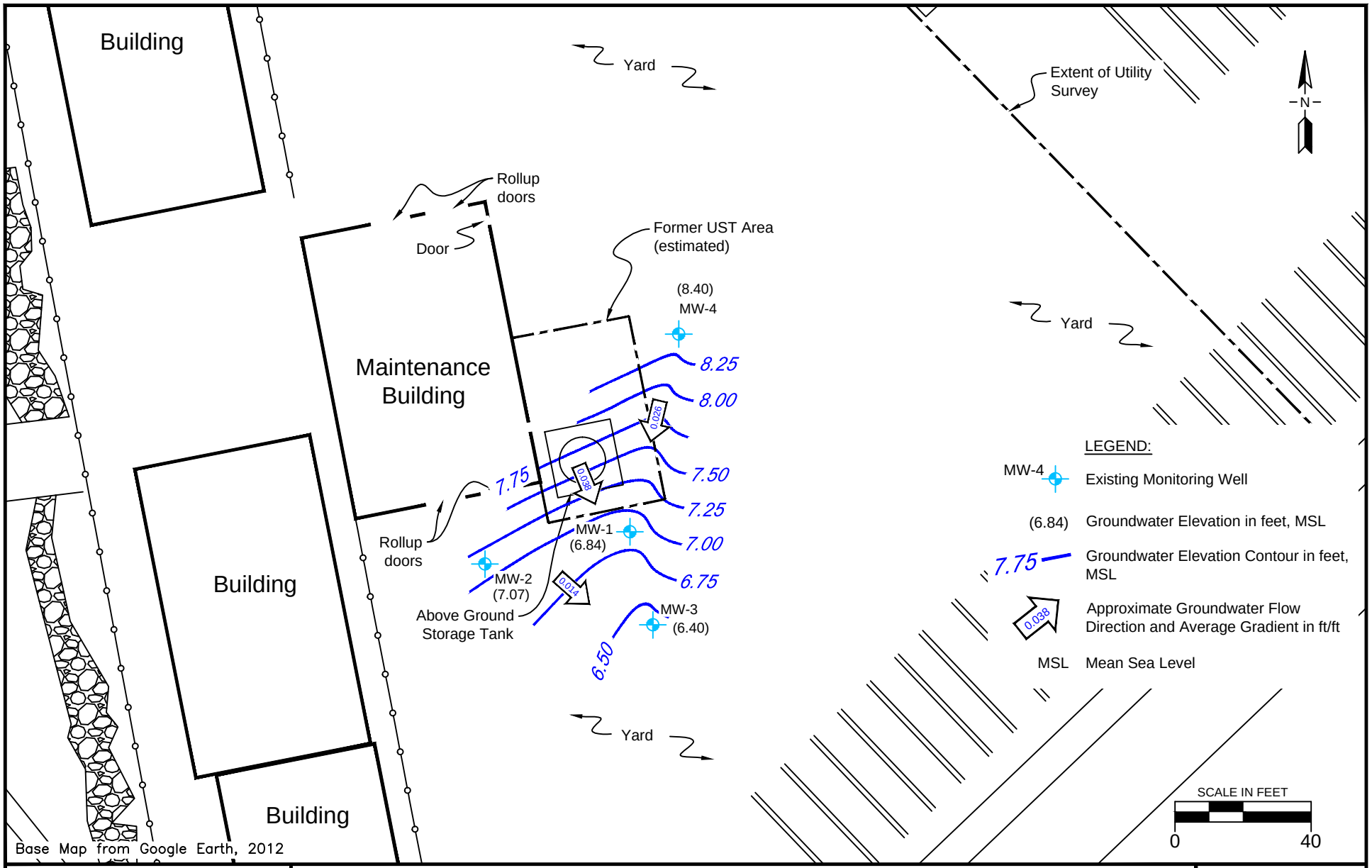
MONITORING WELL LOCATION MAP

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT:
154.005.001

FIGURE:
2

REF. 154_001\154.005.001 2SA130507.dwg



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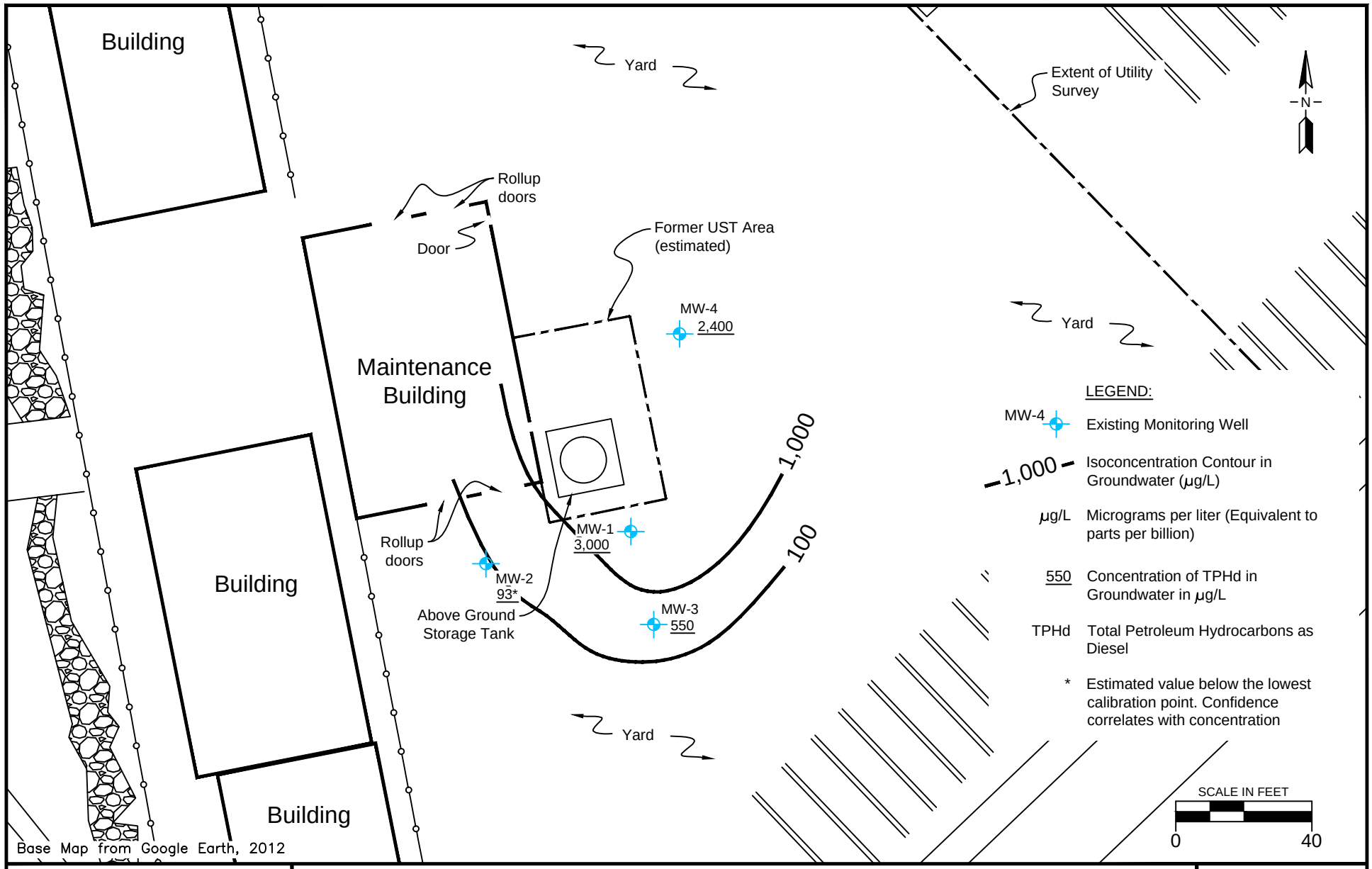
GROUNDWATER ELEVATION CONTOUR MAP, MAY 7, 2013

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.005.001

FIGURE: 3

REF. 154_001\154.005.001 2SA130507.dwg



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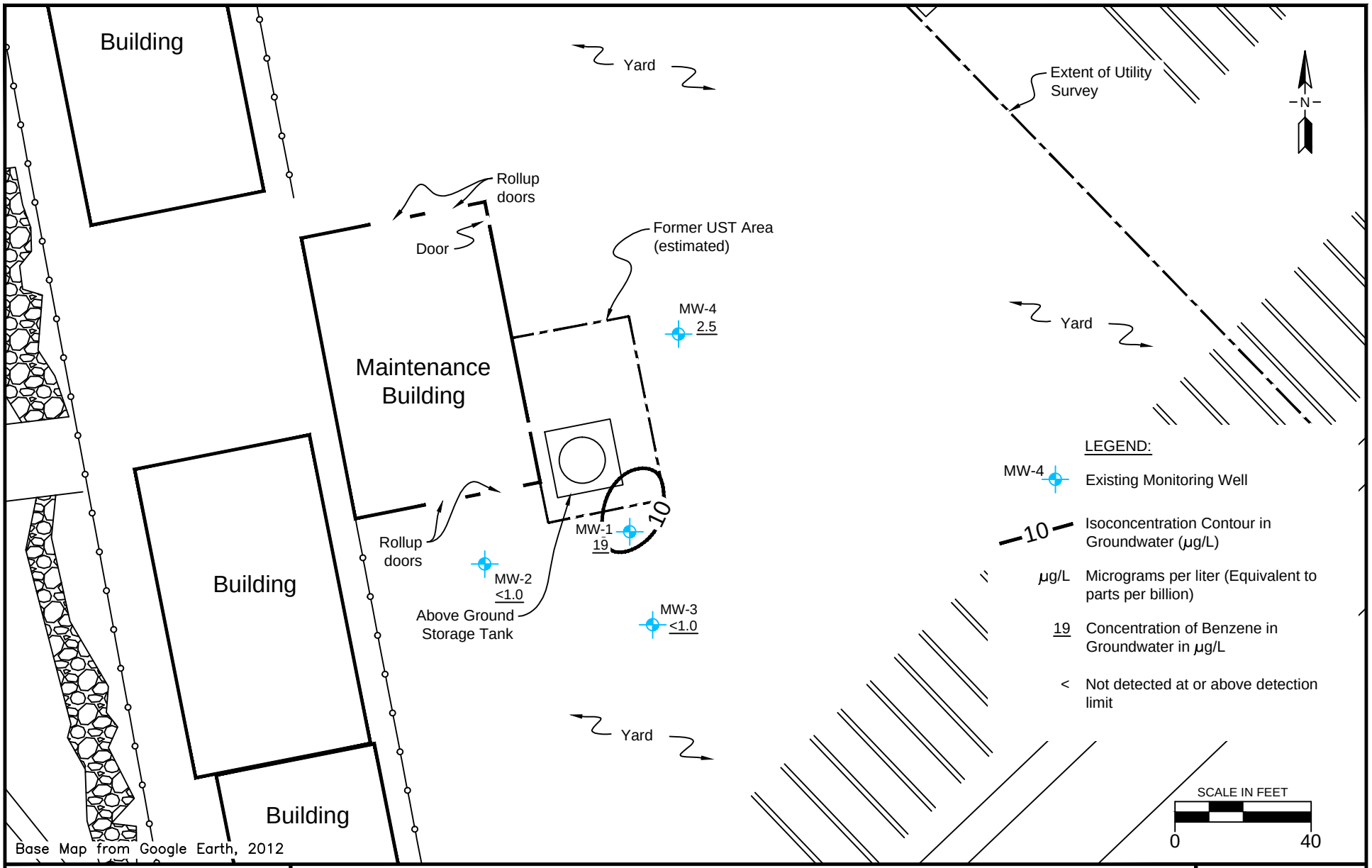
TPHd ISOCONCENTRATION CONTOUR MAP, MAY 7, 2013

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.005.001

FIGURE: 4

REF. 154_001\154.005.001 2SA130507.dwg



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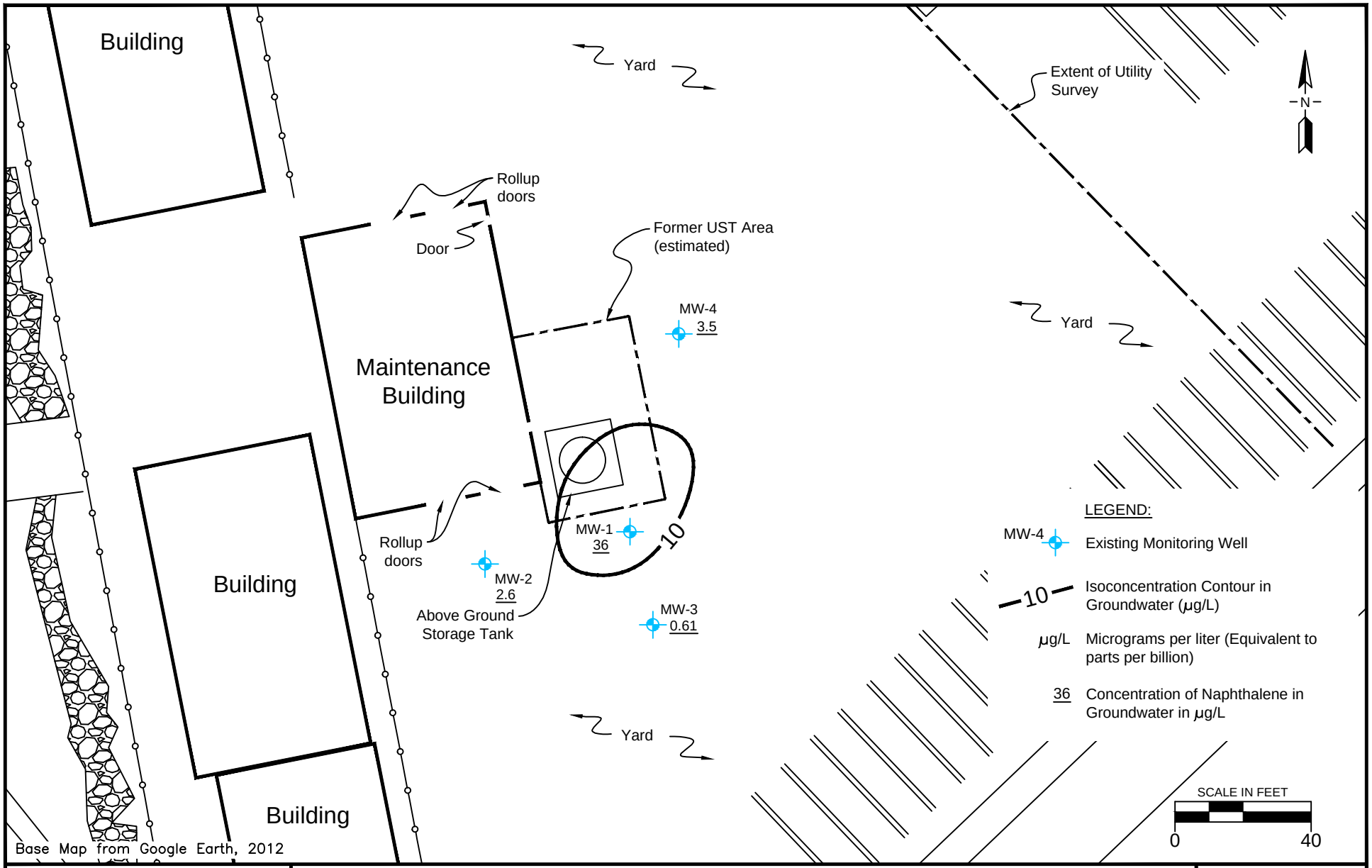
BENZENE ISOCONCENTRATION CONTOUR MAP, MAY 7, 2013

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT:
154.005.001

FIGURE:
5

REF. 154_001\154.005.001 2SA130507.dwg



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NAPHTHALENE ISOCONCENTRATION CONTOUR MAP, MAY 7, 2013

ABF Freight System Facility
4575 Tidewater Avenue
Oakland, California

PROJECT: 154.005.001

FIGURE: 6

REF. 154_001\154.005.001 2SA130507.dwg

ATTACHMENT A

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 B

FIELD DATA SHEETS

TEST EQUIPMENT CALIBRATION LOG

TRINITY
source group, inc.
Environmental Consultants
500 Chestnut Street, Suite 225
Santa Cruz, California 95060

Site: ABF Freight | Date: 5/6/13 | Project No.: 154.

Equipment Name	Equipment Number	Date/Time of Test	Standards Used	Equipment Reading	Calibrated to : or within 10%:	Temp.	Initials
Ultrameter #	6224809	5/6/13	PH 7	6.99	yes	20.4	WR
↓		↓	PH 4	4.04	yes	↓	↓
			pH 10	9.98	yes		
			NaCl 14.0	14.10	yes		
↓		↓	KCL 700	7001	yes		

Field Data Sheet

Depth to Water Data Form

Site Information		
Tidewater, Oakland Project Address	5/7/13 Date	154. Project Number
Oakland City	 County	CA State

TRINITY source group, inc.
Environmental Consultants
500 Chestnut Street, Suite 225
Santa Cruz, CA 95060
v: 831 426 9600 f: 831 426 9602

Water Level Equipment

☑ Electronic Indicator

☐ Oil Water Interface Probe

☐ Other (Specify)_____

Measured by: Bill Rice
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-3	1	915	9.75	4.56	4.56			
MW-4	2	917	10.10	3.20	3.20			
MW-2	3	920	~~14.30~~ 17.90	4.10	4.16			
MW-1	4	922		4.28	4.28			

Signature_____

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

TRINITY WELLHEAD INSPECTION FORM

Site Address: Tidewater, Oakland Date: 8/7/13

Project No.: 154 Technician: Ball Rice Page: of

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-3	yes	yes	NO	No	No	No	No	NO	
MW-4	↓	↓	↓	↓	↓	↓	↓	↓	
MW-2	↓	↓	↓	↓	↓	↓	↓	↓	
MW-1	↓	↓	↓	↓	↓	↓	↓	↓	

*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:

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Santa Cruz, California 95060

Well Purge and Sampling Log

Site: ABF Freight

Sampler: Bill Rose

Date: 8/7/13 Project #: 154.

Well ID: MW-1

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
4"	17.90	4.28	12V Pump	Bailer

Purge Volume Calculation

TD 17.90 - DTW 4.28 = 13.62 x Gallons per Linear Foot 0.65 = 8.85 x Number of Casings 3 = 26 ½ gallons

Time (24 hour)	1145	1146	1148	1150	1152	1154	
Gallons Purged	1	3	10	15	20	26.5	
DO (mg/L)	4.50	1.63	0.84	0.61	0.63	0.61	
pH	6.92	6.82	6.84	6.95	6.94	6.85	
Temperature (°C)	20.50	20.70	20.7	20.3	20.1	20.0	
Conductivity (umhos/cm²)	20.9	20.2	555	4580	4500	5524	
ORP (mV)	-139	-148	-162	-156	-154	-147	
Visual Description	Yellow						
Other	Petroleum odor						
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-1	1200	10	40mL	VOA	Various	

Notes:

Casing Diameter	Gallons per Linear Foot
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

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Well Purge and Sampling Log

Site: ABF Freight

Sampler: Bill Rice

Date: 5/7/13 Project #: 154.

Well ID: MW-3

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
2"	9.75	4.56	~~Bailer~~ 12V pump	Bailer

Purge Volume Calculation

TD 9.75 - DTW 4.56 = 5.19 x Gallons per Linear Foot 0.16 = 0.83 x Number of Casings 3 = 2 ½ gallons

Time (24 hour)	1000	1002	1005				
Gallons Purged	1	2	2.5				
DO (mg/L)	3.50	6.53	4.50				
pH	6.63	6.62	6.62				
Temperature (°C)	23.0	21.9	21.9				
Conductivity (umhos/cm²) MS	13.47	14.67	14.60				
ORP (mV)	-163	-158	-156				
Visual Description	Brown →		→				
Other	clear →		→				
Other	Very slight odor →		→				

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-3	1006	10	40mL	VOA	Various	

Notes:

Casing Diameter	Gallons per Linear Foot
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
500 Chestnut Street, Suite 225
Santa Cruz, California 95060

Well Purge and Sampling Log

Site: ABF Freight

Sampler: Bill Rice

Date: 5/7/13 Project #: 154.

Well ID: MW-4

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
2"	10.10	3.20	12V Pump	Bailer

Purge Volume Calculation

TD 10.10 - DTW 3.20 = 6.9 x Gallons per Linear Foot 0.16 = 1.1 x Number of Casings 3 = 3 1/2 gallons

Time (24 hour)	1030	1032	1034				
Gallons Purged	1	2	3 1/2				
DO (mg/L)	1.48	1.50	1.60				
pH	7.00	6.90	6.92				
Temperature (°C)	20.1	20.5	20.98				
Conductivity (umhos/cm²)	~~3926~~	4002	4002				
ORP (mV)	-147	-148	-150				
Visual Description	Brown	→					
Other	clear	→					
Other	Very Slight odor	→					

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-4	1040	10	4mL	VOA	Various	

Notes:

Casing Diameter	Gallons per Linear Foot
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

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Environmental Consultants
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Santa Cruz, California 95060

Well Purge and Sampling Log

Site: ABF Freight

Sampler: Bill Race

Date: 5/7/13 Project #: 154.

Well ID: MW-2

Well Diameter	TD BTOC	DTW BTOC	Purge Equipment	Sample Equipment
4"	14.30	4.10	12V Pump	Bailer

Purge Volume Calculation

TD 14.30 - DTW 4.10 = 10.2 x Gallons per Linear Foot 0.65 = 6.63 x Number of Casings 3 = 20.[illegible] gallons

Time (24 hour)	1103	1104	1106	1108	1110	1130	
Gallons Purged	1	3	6	10	15	20	
DO (mg/L)	7.70	1.86	0.94	0.78	0.87	1.11	
pH	6.86	6.86	6.84	6.85	6.81	6.85	
Temperature (°C)	20.2	20.4	21.7	21.0	20.4	20.5	
Conductivity (umhos/cm²)	7000	2910	1864	1900	6400	7000	
ORP (mV)	-141	-139	-141	-141	-138	-139	
Visual Description	Clear						
Other	Petrodor						
Other							

Sample ID	Time	Quantity	Volume	Type	Preservative	Analysis
MW-2	1135	16	40ml	Voa	Various	

Notes: Dry @ 18 gallons @ 11:13

Casing Diameter	Gallons per Linear Foot
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

Company Name/Address:

Trinity Source Group - Santa Cruz, CA

500 Chestnut Street. Ste. 225
Santa Cruz.CA 95060

Billing Information:

Accounts Payable
500 Chestnut Street, Ste. 225

Santa Cruz,CA 95060

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

ESC
L-A-B S-C-I-E-N-C-E-S
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: Dave Reinsma

Email to: labstrinity@gmail.com

Project Description: ABF 2nd Q 2013 GWM event

City/State Collected: Oakland, CA

Phone: (831) 426-5600

FAX: (831) 426-5600

Client Project #: 154.

ESC Key:

Collected by: (print) Bill Rice

Site/Facility ID#:

P.O.#: 154.

Collected by (signature):

Immediately Packed on Ice N ___ (Y)

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

CoCode **TRINITYSC** (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	TPHg 8015	TPHdiesel w/silica gel cleanup	BTEX, MTBE - 8260	PAH - 8270	Remarks/Contaminant	Sample # (lab only)
MW-1		GW		5/7/13	1200		X	X	X	X		
MW-2				5/7/13	1135		X	X	X	X		
MW-3				5/7/13	1006		X	X	X	X		
MW-4				5/7/13	1040		X	X	X	X		

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

pH _____ Temp _____

Remarks: Silica Gel Cleanup

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)	
	5/7/13	1325				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	CoC Seals Intact ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked: / NCF:

ATTACHMENT C

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

12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

David Reinsma
Trinity Source Group - Santa Cruz, CA
500 Chestnut Street, Ste. 225
Santa Cruz, CA 95060

Report Summary

Thursday May 16, 2013

Report Number: L634645
Samples Received: 05/08/13
Client Project: 154

Description: ABF 2nd 2013 GWM event

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 , 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

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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
500 Chestnut Street, Ste. 225
Santa Cruz, CA 95060

May 16, 2013

ESC Sample # : L634645-01

Site ID :

Project # : 154

Date Received : May 08, 2013
Description : ABF 2nd 2013 GWM event

Sample ID : MW-1

Collected By : Bill Rice
Collection Date : 05/07/13 12:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPH (GC/FID) Low Fraction	690	31.	100	ug/l		8015D/G	05/09/13	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.4			% Rec.		8015D/G	05/09/13	1
Benzene	19.	0.33	1.0	ug/l		8260B	05/13/13	1
Toluene	1.0	0.78	5.0	ug/l	J	8260B	05/13/13	1
Ethylbenzene	0.60	0.38	1.0	ug/l	J	8260B	05/09/13	1
Total Xylenes	3.1	1.1	3.0	ug/l		8260B	05/09/13	1
Methyl tert-butyl ether	U	0.37	1.0	ug/l		8260B	05/09/13	1
Surrogate Recovery								
Toluene-d8	95.9			% Rec.		8260B	05/09/13	1
Dibromofluoromethane	94.9			% Rec.		8260B	05/09/13	1
4-Bromofluorobenzene	94.4			% Rec.		8260B	05/09/13	1
Diesel Range Organics California								
C10-C22 Hydrocarbons	3000	25.	100	ug/l		8015	05/13/13	1
Surrogate Recovery								
o-Terphenyl	94.3			% Rec.		8015	05/13/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	0.065	0.0076	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthene	0.82	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthylene	0.24	0.0068	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)anthracene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(b)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Benzo(g,h,i)perylene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Benzo(k)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Chrysene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Dibenz(a,h)anthracene	U	0.0040	0.050	ug/l		8270C-S	05/14/13	1
Fluoranthene	U	0.016	0.050	ug/l		8270C-S	05/14/13	1
Fluorene	1.5	0.0085	0.050	ug/l		8270C-S	05/14/13	1
Indeno(1,2,3-cd)pyrene	U	0.015	0.050	ug/l		8270C-S	05/14/13	1
Naphthalene	36.	0.020	0.25	ug/l		8270C-S	05/14/13	1
Phenanthrene	0.25	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Pyrene	0.029	0.012	0.050	ug/l	J	8270C-S	05/14/13	1
1-Methylnaphthalene	15.	0.0082	0.25	ug/l		8270C-S	05/14/13	1
2-Methylnaphthalene	14.	0.0090	0.25	ug/l		8270C-S	05/14/13	1
2-Chloronaphthalene	U	0.0065	0.25	ug/l		8270C-S	05/14/13	1
Surrogate Recovery								
Nitrobenzene-d5	109.			% Rec.		8270C-S	05/14/13	1
2-Fluorobiphenyl	95.0			% Rec.		8270C-S	05/14/13	1
p-Terphenyl-d14	99.7			% Rec.		8270C-S	05/14/13	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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REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
500 Chestnut Street, Ste. 225
Santa Cruz, CA 95060

May 16, 2013

ESC Sample # : L634645-02

Date Received : May 08, 2013
Description : ABF 2nd 2013 GWM event

Site ID :

Sample ID : MW-2

Project # : 154

Collected By : Bill Rice
Collection Date : 05/07/13 11:35

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPH (GC/FID) Low Fraction	U	31.	100	ug/l		8015D/G	05/09/13	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.0			% Rec.		8015D/G	05/09/13	1
Benzene	U	0.33	1.0	ug/l		8260B	05/09/13	1
Toluene	U	0.78	5.0	ug/l		8260B	05/09/13	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	05/09/13	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	05/09/13	1
Methyl tert-butyl ether	U	0.37	1.0	ug/l		8260B	05/09/13	1
Surrogate Recovery								
Toluene-d8	96.6			% Rec.		8260B	05/09/13	1
Dibromofluoromethane	91.4			% Rec.		8260B	05/09/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	05/09/13	1
Diesel Range Organics California								
C10-C22 Hydrocarbons	93.	25.	100	ug/l	J	8015	05/13/13	1
Surrogate Recovery								
o-Terphenyl	74.8			% Rec.		8015	05/13/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	0.0089	0.0076	0.050	ug/l	J	8270C-S	05/14/13	1
Acenaphthene	0.17	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthylene	U	0.0068	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)anthracene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(b)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Benzo(g,h,i)perylene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Benzo(k)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Chrysene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Dibenz(a,h)anthracene	U	0.0040	0.050	ug/l		8270C-S	05/14/13	1
Fluoranthene	U	0.016	0.050	ug/l		8270C-S	05/14/13	1
Fluorene	0.016	0.0085	0.050	ug/l	J	8270C-S	05/14/13	1
Indeno(1,2,3-cd)pyrene	U	0.015	0.050	ug/l		8270C-S	05/14/13	1
Naphthalene	2.6	0.020	0.25	ug/l		8270C-S	05/14/13	1
Phenanthrene	U	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
1-Methylnaphthalene	0.20	0.0082	0.25	ug/l	J	8270C-S	05/14/13	1
2-Methylnaphthalene	0.11	0.0090	0.25	ug/l	J	8270C-S	05/14/13	1
2-Chloronaphthalene	U	0.0065	0.25	ug/l		8270C-S	05/14/13	1
Surrogate Recovery								
Nitrobenzene-d5	95.2			% Rec.		8270C-S	05/14/13	1
2-Fluorobiphenyl	97.5			% Rec.		8270C-S	05/14/13	1
p-Terphenyl-d14	102.			% Rec.		8270C-S	05/14/13	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,
500 Chestnut Street, Ste. 225
Santa Cruz, CA 95060

May 16, 2013

ESC Sample # : L634645-03

Date Received : May 08, 2013
Description : ABF 2nd 2013 GWM event

Site ID :

Sample ID : MW-3

Project # : 154

Collected By : Bill Rice
Collection Date : 05/07/13 10:06

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPH (GC/FID) Low Fraction	U	31.	100	ug/l		8015D/G	05/09/13	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.8			% Rec.		8015D/G	05/09/13	1
Benzene	U	0.33	1.0	ug/l		8260B	05/09/13	1
Toluene	U	0.78	5.0	ug/l		8260B	05/09/13	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	05/09/13	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	05/09/13	1
Methyl tert-butyl ether	U	0.37	1.0	ug/l		8260B	05/09/13	1
Surrogate Recovery								
Toluene-d8	97.6			% Rec.		8260B	05/09/13	1
Dibromofluoromethane	95.1			% Rec.		8260B	05/09/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	05/09/13	1
Diesel Range Organics California								
C10-C22 Hydrocarbons	550	25.	100	ug/l		8015	05/13/13	1
Surrogate Recovery								
o-Terphenyl	90.5			% Rec.		8015	05/13/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	0.025	0.0076	0.050	ug/l	J	8270C-S	05/14/13	1
Acenaphthene	0.066	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthylene	0.014	0.0068	0.050	ug/l	J	8270C-S	05/14/13	1
Benzo(a)anthracene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(b)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Benzo(g,h,i)perylene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Benzo(k)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Chrysene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Dibenz(a,h)anthracene	U	0.0040	0.050	ug/l		8270C-S	05/14/13	1
Fluoranthene	U	0.016	0.050	ug/l		8270C-S	05/14/13	1
Fluorene	0.13	0.0085	0.050	ug/l		8270C-S	05/14/13	1
Indeno(1,2,3-cd)pyrene	U	0.015	0.050	ug/l		8270C-S	05/14/13	1
Naphthalene	0.61	0.020	0.25	ug/l		8270C-S	05/14/13	1
Phenanthrene	0.034	0.0082	0.050	ug/l	J	8270C-S	05/14/13	1
Pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
1-Methylnaphthalene	0.62	0.0082	0.25	ug/l		8270C-S	05/14/13	1
2-Methylnaphthalene	0.27	0.0090	0.25	ug/l		8270C-S	05/14/13	1
2-Chloronaphthalene	U	0.0065	0.25	ug/l		8270C-S	05/14/13	1
Surrogate Recovery								
Nitrobenzene-d5	91.4			% Rec.		8270C-S	05/14/13	1
2-Fluorobiphenyl	76.8			% Rec.		8270C-S	05/14/13	1
p-Terphenyl-d14	69.7			% Rec.		8270C-S	05/14/13	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: 05/16/13 11:01 Revised: 05/16/13 15:53

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

David Reinsma
Trinity Source Group - Santa Cruz,
500 Chestnut Street, Ste. 225
Santa Cruz, CA 95060

May 16, 2013

ESC Sample # : L634645-04

Site ID :

Project # : 154

Date Received : May 08, 2013
Description : ABF 2nd 2013 GWM event

Sample ID : MW-4

Collected By : Bill Rice
Collection Date : 05/07/13 10:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
TPH (GC/FID) Low Fraction	31.	31.	100	ug/l	J	8015D/G	05/09/13	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.1			% Rec.		8015D/G	05/09/13	1
Benzene	2.5	0.33	1.0	ug/l		8260B	05/13/13	1
Toluene	U	0.78	5.0	ug/l		8260B	05/13/13	1
Ethylbenzene	U	0.38	1.0	ug/l		8260B	05/13/13	1
Total Xylenes	U	1.1	3.0	ug/l		8260B	05/13/13	1
Methyl tert-butyl ether	1.2	0.37	1.0	ug/l		8260B	05/13/13	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	05/13/13	1
Dibromofluoromethane	92.6			% Rec.		8260B	05/13/13	1
4-Bromofluorobenzene	103.			% Rec.		8260B	05/13/13	1
Diesel Range Organics California								
C10-C22 Hydrocarbons	2400	25.	100	ug/l		8015	05/13/13	1
Surrogate Recovery								
o-Terphenyl	97.4			% Rec.		8015	05/13/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	0.16	0.0076	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthene	6.5	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Acenaphthylene	0.066	0.0068	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)anthracene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(a)pyrene	U	0.012	0.050	ug/l		8270C-S	05/14/13	1
Benzo(b)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Benzo(g,h,i)perylene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Benzo(k)fluoranthene	U	0.014	0.050	ug/l		8270C-S	05/14/13	1
Chrysene	U	0.011	0.050	ug/l		8270C-S	05/14/13	1
Dibenz(a,h)anthracene	U	0.0040	0.050	ug/l		8270C-S	05/14/13	1
Fluoranthene	0.059	0.016	0.050	ug/l		8270C-S	05/14/13	1
Fluorene	2.4	0.0085	0.050	ug/l		8270C-S	05/14/13	1
Indeno(1,2,3-cd)pyrene	U	0.015	0.050	ug/l		8270C-S	05/14/13	1
Naphthalene	3.5	0.020	0.25	ug/l		8270C-S	05/14/13	1
Phenanthrene	2.7	0.0082	0.050	ug/l		8270C-S	05/14/13	1
Pyrene	0.051	0.012	0.050	ug/l		8270C-S	05/14/13	1
1-Methylnaphthalene	18.	0.0082	0.25	ug/l		8270C-S	05/14/13	1
2-Methylnaphthalene	3.0	0.0090	0.25	ug/l		8270C-S	05/14/13	1
2-Chloronaphthalene	U	0.0065	0.25	ug/l		8270C-S	05/14/13	1
Surrogate Recovery								
Nitrobenzene-d5	107.			% Rec.		8270C-S	05/14/13	1
2-Fluorobiphenyl	84.0			% Rec.		8270C-S	05/14/13	1
p-Terphenyl-d14	91.7			% Rec.		8270C-S	05/14/13	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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Reported: 05/16/13 11:01 Revised: 05/16/13 15:53

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L634645-01	WG660990	SAMP	Toluene	R2667961	J
	WG660391	SAMP	Ethylbenzene	R2666061	J
	WG660447	SAMP	Pyrene	R2668622	J
L634645-02	WG660441	SAMP	C10-C22 Hydrocarbons	R2668702	J
	WG660447	SAMP	Anthracene	R2670763	J
	WG660447	SAMP	Fluorene	R2670763	J
	WG660447	SAMP	1-Methylnaphthalene	R2670763	J
	WG660447	SAMP	2-Methylnaphthalene	R2670763	J
L634645-03	WG660447	SAMP	Anthracene	R2670763	J
	WG660447	SAMP	Acenaphthylene	R2670763	J
	WG660447	SAMP	Phenanthrene	R2670763	J
L634645-04	WG660495	SAMP	TPH (GC/FID) Low Fraction	R2667102	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.

Company Name/Address:

Trinity Source Group - Santa Cruz, CA

500 Chestnut Street. Ste. 225
Santa Cruz.CA 95060

Billing Information:

Accounts Payable
500 Chestnut Street, Ste. 225

Santa Cruz,CA 95060

Analysis/Container/Preservative

Chain of Custody Page ___ of ___

A247

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: Dave Reinsma

Email to: Labstrinity@gmail.com

Project Description: ABF 2nd Q 2013 GWM event

City/State Collected: Oakland, CA

Phone: (831) 426-5600

FAX (831) 426-5600

Client Project #: 154.

ESC Key:

Collected by: (print) Bill Rice

Site/Facility ID#:

P.O.#: 154.

Collected by (signature):

Immediately Packed on Ice N ___ (Y)

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

CoCode **TRINITYSC** (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	TPHdg 8015	TPHdiesel w/silgel cleanup	BTEX, MTBE - 8260	PAH - 8270	Remarks/Contaminant	Sample # (lab only)
MW-1		GW		5/7/13	1200	10	X	X	X	X		L634645-01
MW-2				5/7/13	1135	10	X	X	X	X		02
MW-3				5/7/13	1006	10	X	X	X	X		03
MW-4				5/7/13	1040	10	X	X	X	X		04

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

Remarks: Silica Gel Cleanup

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	5/7/13	1325	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

5547024 9232

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Condition: (lab use only)

Temp:	Bottles Received:
2.1°C	40
Date:	Time:
5-8-13	0900

CoC Seals Intact ___ Y ___ N ___ NA

pH Checked: NCF:

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:	SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0600100018
Facility Name:	ABF FREIGHT SYSTEMS
File Name:	TRINITYSCCA-L634645_EDF.zip
Organization Name:	Trinity Source Group, Inc.
Username:	TRINITY SOURCE GROUP
IP Address:	69.198.129.110
Submittal Date/Time:	5/21/2013 3:01:53 PM
Confirmation Number:	5513248503

VIEW QC REPORT

VIEW DETECTIONS REPORT

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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:	**SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT**
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:	**69.198.129.110**
Submittal Date/Time:	**5/21/2013 3:19:00 PM**
Confirmation Number:	**9405824184**

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ATTACHMENT D

PURGE WATER AND SOIL DISPOSAL DOCUMENTATION

NO. 702747 17

NON-HAZARDOUS WASTE DATA FORM

BESI # 216242

GENERATOR

Generator's Name and Mailing Address

ABF FREIGHT
4575 TIDEWATER AVENUE
OAKLAND, CA 94601

Generator's Site Address (if different than mailing address)

ABF FREIGHT
4575 TIDEWATER AVENUE
OAKLAND, CA 94601

Generator's Phone:

Container type removed from site:

☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☐ Other _____

Quantity 2

Container type transported to receiving facility:

☐ Drums ☒ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☐ Other _____

Quantity 1 Volume 110 gallons

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTION CLOTHING

Generator Printed/Typed Name: Larry Moothart of BESI on behalf of generator | Signature | Month Day Year: 2 19 13

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-6200

Transporter 1 Printed/Typed Name: Larry Moothart | Signature | Month Day Year: 2 19 13

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. | Phone#: 714-990-6855

Transporter 2 Printed/Typed Name: JAIME MARTINEZ | Signature | Month Day Year: 2 27 13

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name | Signature | Month Day Year: 02 27 13

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
1 1		394/732	A07	40583	001

Generator and/or Consultant

Generator's Name and Billing Address: ABF FREIGHT 4575 TIDEWATER AVENUE OAKLAND, CA 94601	Generator's Phone #: Person to Contact: FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* ABF FREIGHT 4575 TIDEWATER AVENUE OAKLAND, CA 94601	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 882-8001 Person to Contact: DELLENA JEFFREY FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 216242	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450847 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	2DM		38750	37600	1180
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					59

List any exception to items listed above: Scale Ticket # 166252

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Larry Moothart of BESI on behalf of generator		2	19	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Larry Moothart		2	19	13

Recycling Facility

Discrepancies:
4575 Tide

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	2-26-13

Please print or type.

TRANSPORTER COPY