

**1ST QUARTER 2009 GROUNDWATER MONITORING REPORT
FORMER HOLLAND OIL PROPERTY
16301 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA**

PREPARED FOR:

Mr. Lawrence Lepore
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1099 E Street
Hayward, California 94541

PREPARED BY:

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February 11, 2009
Project No. 401314003

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Hayward Area Recreation Department
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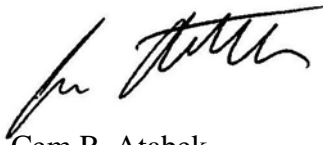
Subject: 1st Quarter 2009 Groundwater Monitoring Report
Former Holland Oil Property
16301 East 14th Street, San Leandro, California

Dear Mr. Lepore:

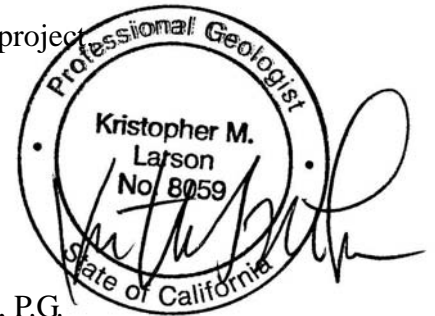
Enclosed please find the 1st Quarter 2009 Groundwater Monitoring Report for the former Holland Oil property located at 16301 East 14th Street in San Leandro, California. This report documents the recent groundwater monitoring activities, the groundwater analytical results, and our conclusions and recommendations.

Thank you very much for the opportunity to assist with this important project.

Sincerely,
NINYO & MOORE



Cem R. Atabek
Staff Environmental Engineer



Kris M. Larson, P.G.
Senior Environmental Geologist

CRA/KML/csj

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1. INTRODUCTION

On behalf of Hayward Area Recreation Department (HARD), Ninyo & Moore has prepared this 1st Quarter 2009 Groundwater Monitoring Report for the former Holland Oil property located at 16301 East 14th Street in unincorporated Alameda County near San Leandro, California (the “site”) (Figure 1). Groundwater monitoring activities were conducted in accordance with the Alameda County Environmental Health Services (ACEH) letter dated September 16, 2008, and Ninyo & Moore’s December 9, 2008 proposal to evaluate the change in concentration of hydrocarbon compounds measured during the recent site investigation. A copy of the ACEH letter is included in Appendix A.

1.1. Background

The site is located at 16301 East 14th Street, in San Leandro.

The site was utilized as a bulk fuel storage and distribution facility from the 1960’s to the mid 1980’s. Eight underground storage tanks (USTs) were located on site, three of which contained gasoline, two contained diesel, two contained kerosene, and one contained stoddard solvent. The USTs were removed in 1998 and the excavated overburden soil was placed back in the UST excavation. Additionally, two former structures, a warehouse located in the southwestern section and a small garage located in the central section of the site, were reportedly used for vehicle maintenance.

A series of environmental evaluations of site soil and groundwater have been conducted on site since 1990. This testing evaluated the presence of a broad array of potential use-related chemicals; the results of testing revealed elevated concentrations of specific constituents of concern at several locations on the site. Gasoline, diesel, and kerosene-range petroleum hydrocarbons were detected, primarily in areas where former USTs (T1 through T8) were located (Figure 2). Results of the most recent episode of site characterization are reported in the Ninyo & Moore December 2008 Site Assessment Report.

2. SITE SETTING

2.1. Geographic Setting

The site is a pentagon-shaped property located in San Leandro, California; bordered to the south by a baseball field; to the west by Edendale Middle School; and to the northeast by East 14th Street. Commercial properties border the site to the northwest and southeast on East 14th Street.

2.2. Environmental Setting

The site is relatively flat, with a gradual downward slope toward the west. The Hayward area is situated on a broad, alluvial plain that slopes gently west from the Hayward hills to the San Francisco Bay. The alluvial plain is comprised of alluvial sediments derived from erosion of the hills to the east. The site region is located at the eastern margin of the alluvial plain and is underlain by fine-grained alluvial and tidal-bay sediments. The surface layer of fill observed throughout the site is underlain by soft bay mud of geologically recent age.

3. MONITORING WELL GROUNDWATER SAMPLING

3.1. Sampling Methodology

Static groundwater elevations in all site monitoring wells were measured relative to top of casing (toc) on January 22nd and 23rd, 2009. Using the surveyed toc elevations of wells MW-1 through MW-12, Ninyo & Moore calculated the elevation of static groundwater relative to mean sea level.

On January 22nd and 23rd, 2009, Ninyo & Moore collected groundwater samples from monitoring wells MW-1 through MW-12. The depth to static groundwater from top of casing in each well was measured with a decontaminated water level meter to an accuracy to 0.01 feet. Prior to sample collection, a minimum of three casing volumes of groundwater were purged from each well using a new disposable bailer and a peristaltic pump with new tubing. Groundwater parameters (pH, temperature, and electrical conductivity) and physical

characteristics were recorded during purging. Subsequent to purging, groundwater samples were collected from each well using a peristaltic pump with new tubing. Samples scheduled for analysis of VOCs and TPHg were collected first. While collecting samples for VOCs and TPHg analysis, the pump was run at low speed to minimize disturbance of groundwater. The groundwater samples were collected in the appropriate sample containers, labeled and placed into a cooler containing ice under chain-of-custody for transport to the analytical laboratory. Copies of the groundwater sampling field data sheets are presented in Appendix B.

3.2. Analytical Laboratories and Methods

Groundwater samples were submitted to Sparger Technology, Inc (Sparger), of Sacramento, California, for analysis of TPHd by United States Environmental Protection Agency (EPA) Method 8015B, for TPHg by EPA Method 8015B, and for VOCs by EPA Method 8260B. Copies of the analytical reports including COC documentation are presented in Appendix C.

3.3. Disposal of Investigation Derived Waste

Decontamination water and purged groundwater was contained in a 55-gallon drum and will subsequently be removed from the site and properly disposed of by Filter Recycling of Colton, California.

3.4. GeoTracker

Electronic deliverable data associated with this report will be uploaded to the State GeoTracker database. The uploaded documents will include a copy of this report, electronic copies of the associated laboratory analytical reports and depth to groundwater measurements.

4. FINDINGS

4.1. Groundwater Flow Direction and Gradient

Groundwater elevations ranged from 29.53 feet mean sea level (msl) at well MW-9 located in the eastern section of the site to 28.23 msl in MW-12, located beyond the western boundary of the site. Shallow groundwater beneath the site appeared to flow toward the northwest with a gradient of approximately 0.004 feet per foot (Figure 3). This result is generally consistent with the natural topography and anticipated regional groundwater flow toward San Francisco Bay to the west.

4.2. Groundwater Analytical Results

Twelve monitoring well groundwater samples (MW-1 through MW-12) were collected and analyzed during this monitoring event. The monitoring well groundwater sample analytical results are presented in Table 1. Analytical results were generally similar to those generated during prior sampling events, with use-related impact measured primarily beneath the central area of the former bulk plant site, near the former underground tanks. Isoconcentration contour maps for dissolved-phase TPHd, TPHg, and benzene are presented on Figures 4, 5, and 6, respectively. Groundwater flow direction was toward the northwest in January of 2009.

5. CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the recent and previous site assessments, Ninyo & Moore presents the following conclusions:

- Total petroleum hydrocarbon (TPHg and TPHd) impacted groundwater appears to be limited to the source area and immediately down-gradient of the former USTs (T1 through T8). The results of the recent sampling event are generally consistent with the results of prior investigations.

Based on these conclusions, Ninyo & Moore recommends the completion of a second quarter of groundwater monitoring. This monitoring will be conducted to evaluate seasonal trends of residual hydrocarbon concentrations in groundwater. Groundwater samples will be collected for analysis of concentrations of TPHg, TPHd and VOCs.

TABLE 1. MONITORING WELL GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

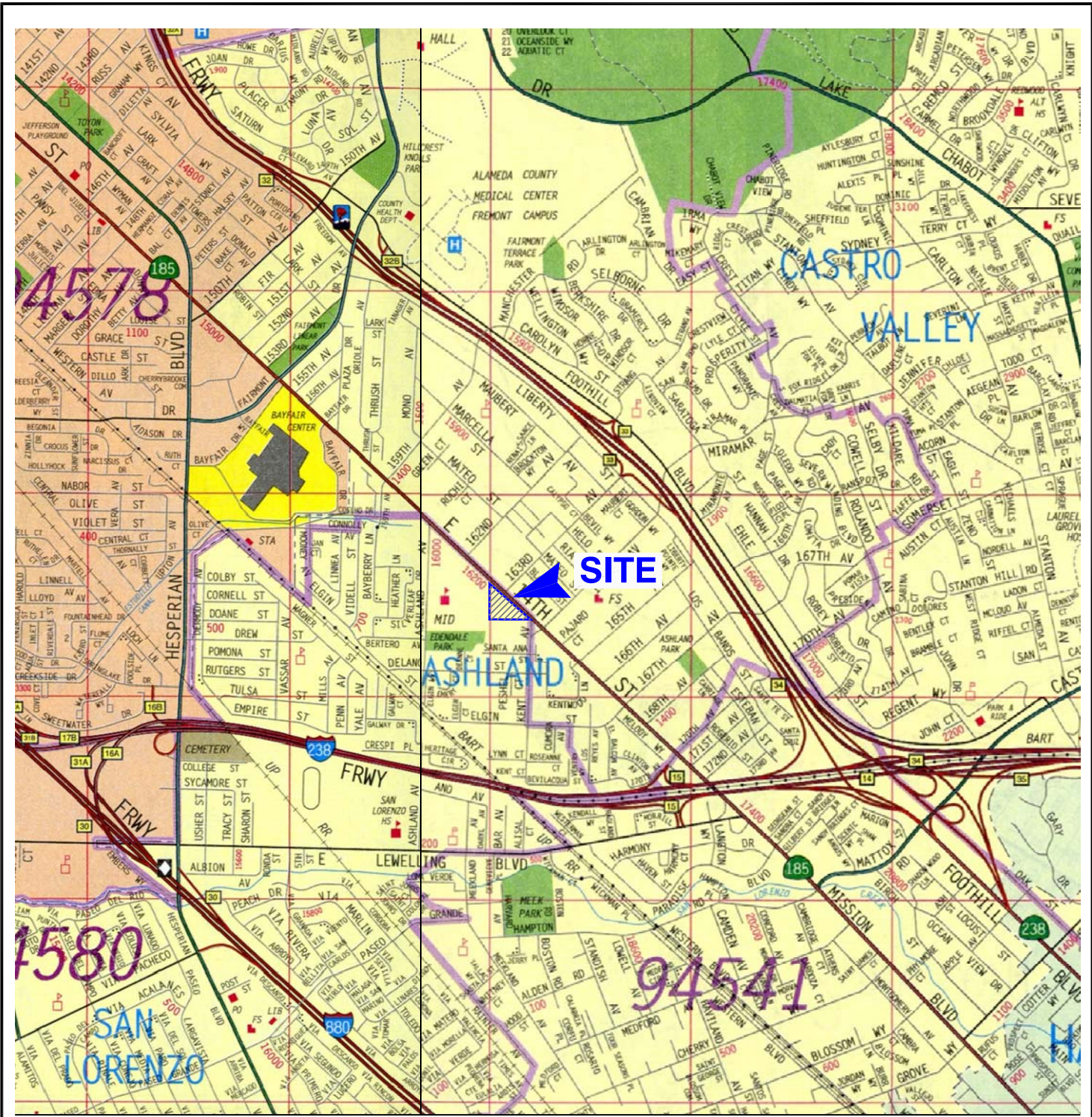
Well ID (toc elev)	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	1,4-Dichloro- benzene	Chloro- benzene	Isopropyl- benzene	n-Butyl- benzene	n-Propyl- benzene	sec-Butyl- benzene	tert-Butyl- benzene	Other VOCs
				Analytical Results (µg/L)															
MW-1 36.59	7/10/2007	8.22	28.37	1,100	800	1,700	3	ND<0.5	1.3	ND<1.5	ND<0.5	0.51	0.84	51	27.0	130	25	1.9	ND
	10/13/2008	8.73	27.86	550	--	440	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5.5	30	ND<1.0	ND<1.0	ND
	1/22/2009	8.25	28.34	500	--	930	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5.6	40	7.9	ND<1.0	Naphthalene (2.5); Vinyl acetate (40)
MW-2 37.33	7/9/2007	8.41	28.92	210	94	93	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	0.68	ND<0.5	0.6	0.52	ND<0.5	ND
	10/13/2008	9.04	28.29	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.64	28.69	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Naphthalene (1.7)
MW-3 37.38	7/10/2007	8.11	29.27	62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	10/13/2008	8.77	28.61	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.45	28.93	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-4 36.77	7/10/2007	8.38	28.39	710	400	670	3.7	ND<0.5	ND<0.5	ND<1.5	13	0.51	1.7	20	7.9	42	12	1.2	1,2-Dichlorobenzene (0.51)
	10/13/2008	8.89	27.88	660	--	470	2.9	ND<1.0	ND<1.0	ND<1.0	1.9	ND<1.0	1.7	10	5.3	30	ND<1.0	ND<1.0	Carbon disulfide (2); Naphthalene (1.4)
	1/22/2009	8.39	28.38	400	--	350	1.1	ND<1.0	ND<1.0	ND<1.0	1.0	ND<1.0	1.3	6.9	2.3	10	4.0	ND<1.0	ND
MW-5 36.24	7/10/2007	8.21	28.03	380	170	170	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.9	ND<0.5	ND<0.5	1.8	ND<0.5	2.3	0.94	0.51	ND
	10/13/2008	8.66	27.58	ND<50	--	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (4.9)
	1/22/2009	7.91	28.33	200	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-6 37.15	7/9/2007	8.25	28.9	1,500	910	780	11	0.64	0.71	2.4	ND<0.5	9.1	2.1	20	5.4	32	7	0.57	1,2-Dichlorobenzene (0.58); 1,3-Dichlorobenzene (3.1); 2-Chlorotoluene (1.6)
	10/13/2008	8.85	28.30	600	--	470	7	ND<1.0	ND<1.0	1.1	ND<0.5	6.3	1.6	10	2.8	20	ND<1.0	ND<1.0	1,3-Dichlorobenzene (2)
	1/22/2009	8.43	28.72	600	--	550	6.3	ND<1.0	ND<1.0	ND<1.0	ND<0.5	3.4	1.0	6.9	1.3	10	2.3	ND<1.0	1,3-Dichlorobenzene (1.1); Vinyl acetate (20)
MW-7 36.82	7/10/2007	8.24	28.58	510	91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	0.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	10/13/2008	8.75	28.07	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.22	28.60	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-8 36.81	7/9/2007	8.16	28.65	790	500	2,100	110	6.8	76	215	ND<0.5	ND<0.5	3.8	12	7.2	30	2.5	0.59	1,2,4-Trimethylbenzene (82); 1,3,5-Trimethylbenzen (30); 4-Isopropyltoluene (3.5)
	10/14/2008	8.69	28.12	500	--	390	50	1.4	10	23.2	ND<0.5	ND<1.0	2.6	3.3	ND<1.0	8.6	ND<1.0	ND<1.0	Naphthalene (4.9)
	1/23/2009	8.16	28.65	500	--	1,200	180	3.7	40	67.4	ND<0.5	ND<1.0	1.7	4.7	ND<1.0	8.9	ND<1.0	ND<1.0	1,2,4-Trimethylbenzene (30); 1,3,5-Trimethylbenzen (6.6); Naphthalene (20); Vinyl acetate (30)

TABLE 1. MONITORING WELL GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Well ID (toc elev)	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	1,4-Dichloro- benzene	Chloro- benzene	Isopropyl- benzene	n-Butyl- benzene	n-Propyl- benzene	sec-Butyl- benzene	tert-Butyl- benzene	Other VOCs
				Analytical Results (µg/L)															
MW-9 37.22	10/14/2008	8.11	29.11	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/23/2009	7.69	29.53	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-10 36.79	10/14/2008	8.77	28.02	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/23/2009	8.25	28.54	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-11 36.2	10/14/2008	8.35	27.85	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (10); Carbon disulfide (2.4)
	1/23/2009	7.76	28.44	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-12 36.06	10/14/2008	8.51	27.55	ND<50	--	110	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/23/2009	7.83	28.23	300	--	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND

Notes and Abbreviations:

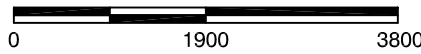
VOCs = volatile organic compounds analyzed by EPA Method 8260B
 toc elev = top of casing elevation in feet above mean sea level
 ft btoc= feet below top of casing
 ft msl = feet above mean sea level
 TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
 Kerosene analyzed by EPA Method 8015B
 TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
 BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B
 MTBE = methyl tert butyl ether analyzed by EPA Method 8260B
 µg/L = micrograms per liter
 -- = not analyzed, not available, not applicable
 ND< X = not detected, below laboratory reporting limit of X



REFERENCE: 2005 THOMAS GUIDE FOR ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES, STREET GUIDE AND DIRECTORY.



APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

SITE LOCATION MAP






FIGURE

PROJECT NO.	DATE
401314003	2/09

FORMER HOLLAND OIL FACILITY
16301 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

1

LEGEND

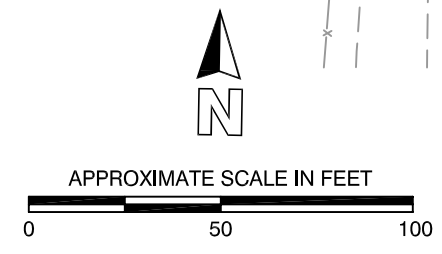
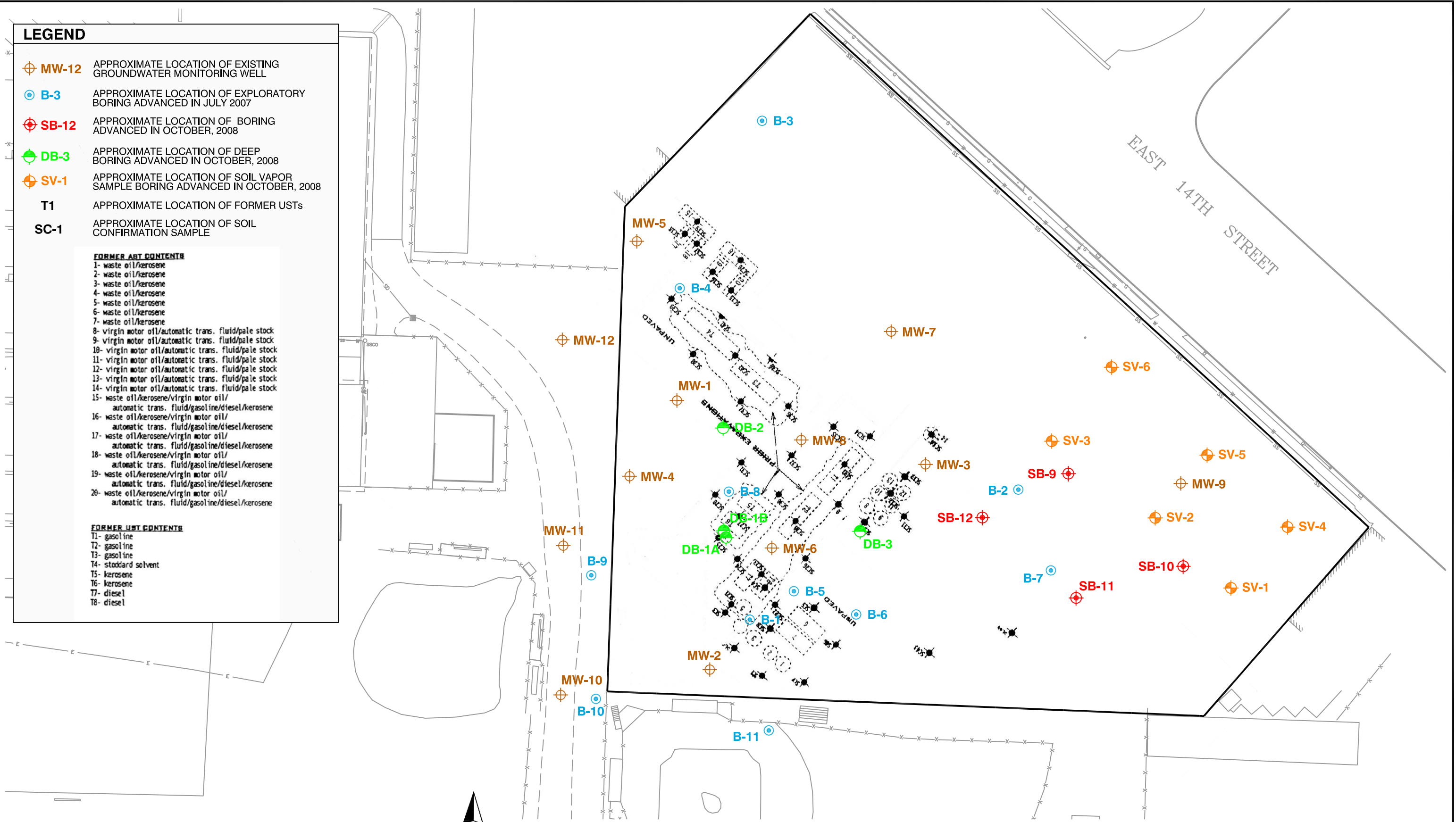
-  **MW-12** APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
-  **B-3** APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
-  **SB-12** APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
-  **DB-3** APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
-  **SV-1** APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
- T1** APPROXIMATE LOCATION OF FORMER USTs
- SC-1** APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE

FORMER ABT CONTENTS

- 1- waste oil/kerosene
- 2- waste oil/kerosene
- 3- waste oil/kerosene
- 4- waste oil/kerosene
- 5- waste oil/kerosene
- 6- waste oil/kerosene
- 7- waste oil/kerosene
- 8- virgin motor oil/automatic trans. fluid/pale stock
- 9- virgin motor oil/automatic trans. fluid/pale stock
- 10- virgin motor oil/automatic trans. fluid/pale stock
- 11- virgin motor oil/automatic trans. fluid/pale stock
- 12- virgin motor oil/automatic trans. fluid/pale stock
- 13- virgin motor oil/automatic trans. fluid/pale stock
- 14- virgin motor oil/automatic trans. fluid/pale stock
- 15- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 16- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 17- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 18- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 19- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 20- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS







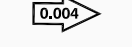
- T1- gasoline
- T2- gasoline
- T3- gasoline
- T4- stoddard solvent
- T5- kerosene
- T6- kerosene
- T7- diesel
- T8- diesel



REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

Ninyo & Moore		SITE PLAN	FIGURE 2
PROJECT NO.	DATE	FORMER HOLLAND OIL FACILITY 16301 EAST 14TH STREET SAN LEANDRO, CALIFORNIA	
401314003	2/09		

LEGEND

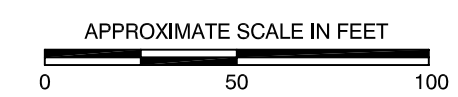
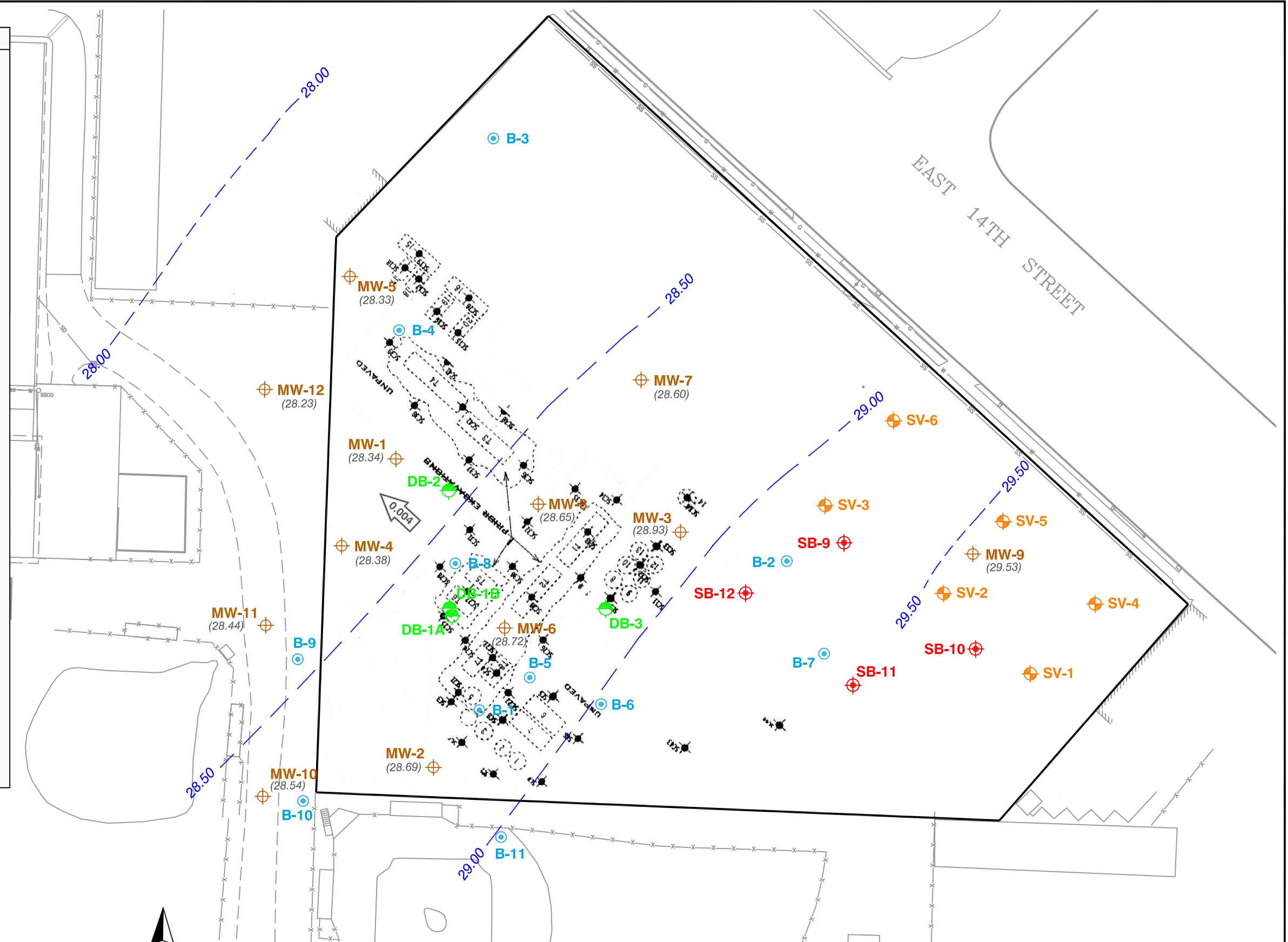
-  **MW-12** APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
(28.23) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
-  **B-3** APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
-  **SB-12** APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
-  **DB-3** APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
-  **SV-1** APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
- T1** APPROXIMATE LOCATION OF FORMER USTs
- SC-1** APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
-  **29.50** GROUNDWATER EQUIPOTENTIAL LINE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
-  **0.004** GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET PER FOOT)

FORMER AHT CONTENTS

- 1- waste oil/kerosene
- 2- waste oil/kerosene
- 3- waste oil/kerosene
- 4- waste oil/kerosene
- 5- waste oil/kerosene
- 6- waste oil/kerosene
- 7- waste oil/kerosene
- 8- virgin motor oil/automatic trans. fluid/pale stock
- 9- virgin motor oil/automatic trans. fluid/pale stock
- 10- virgin motor oil/automatic trans. fluid/pale stock
- 11- virgin motor oil/automatic trans. fluid/pale stock
- 12- virgin motor oil/automatic trans. fluid/pale stock
- 13- virgin motor oil/automatic trans. fluid/pale stock
- 14- virgin motor oil/automatic trans. fluid/pale stock
- 15- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 16- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 17- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 18- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 19- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 20- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene


FORMER UST CONTENTS

- T1- gasoline
- T2- gasoline
- T3- gasoline
- T4- stoddard solvent
- T5- kerosene
- T6- kerosene
- T7- diesel
- T8- diesel








NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

		SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - JANUARY 22 - 23, 2009	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	FIGURE
				3
PROJECT NO.	DATE			
401314003	2/09			

LEGEND

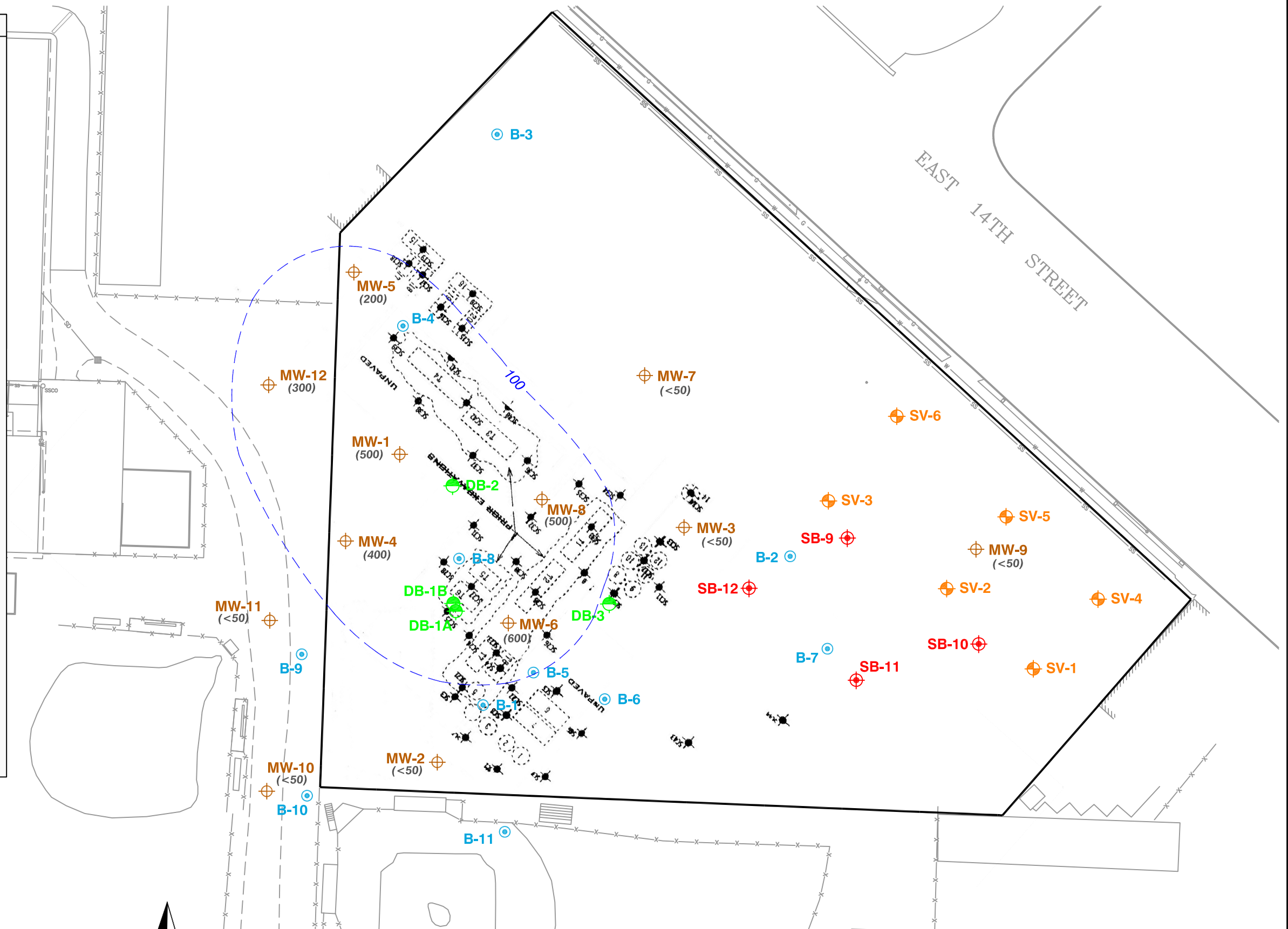
-  **MW-12** APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
- TPHd (600)** TOTAL PETROLEUM HYDROCARBON AS DIESEL TPHd CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
-  **B-3** APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
-  **SB-12** APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
-  **DB-3** APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
-  **SV-1** APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
- T1** APPROXIMATE LOCATION OF FORMER USTs
- SC-1** APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
- <50** TPHd CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
- 100--** SHALLOW GROUNDWATER TPHd ISOCONCENTRATION CONTOUR IN µg/L

FORMER APT CONTENTS

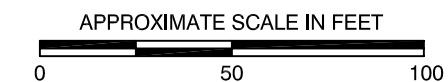
- 1- waste oil/kerosene
- 2- waste oil/kerosene
- 3- waste oil/kerosene
- 4- waste oil/kerosene
- 5- waste oil/kerosene
- 6- waste oil/kerosene
- 7- waste oil/kerosene
- 8- virgin motor oil/automatic trans. fluid/pale stock
- 9- virgin motor oil/automatic trans. fluid/pale stock
- 10- virgin motor oil/automatic trans. fluid/pale stock
- 11- virgin motor oil/automatic trans. fluid/pale stock
- 12- virgin motor oil/automatic trans. fluid/pale stock
- 13- virgin motor oil/automatic trans. fluid/pale stock
- 14- virgin motor oil/automatic trans. fluid/pale stock
- 15- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 16- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 17- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 18- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 19- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 20- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

- T1- gasoline
- T2- gasoline
- T3- gasoline
- T4- stoddard solvent
- T5- kerosene
- T6- kerosene
- T7- diesel
- T8- diesel








REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		DISSOLVED - PHASE TPHd ISOCONCENTRATION MAP		FIGURE 4
		PROJECT NO. 401314003	DATE 2/09	

LEGEND

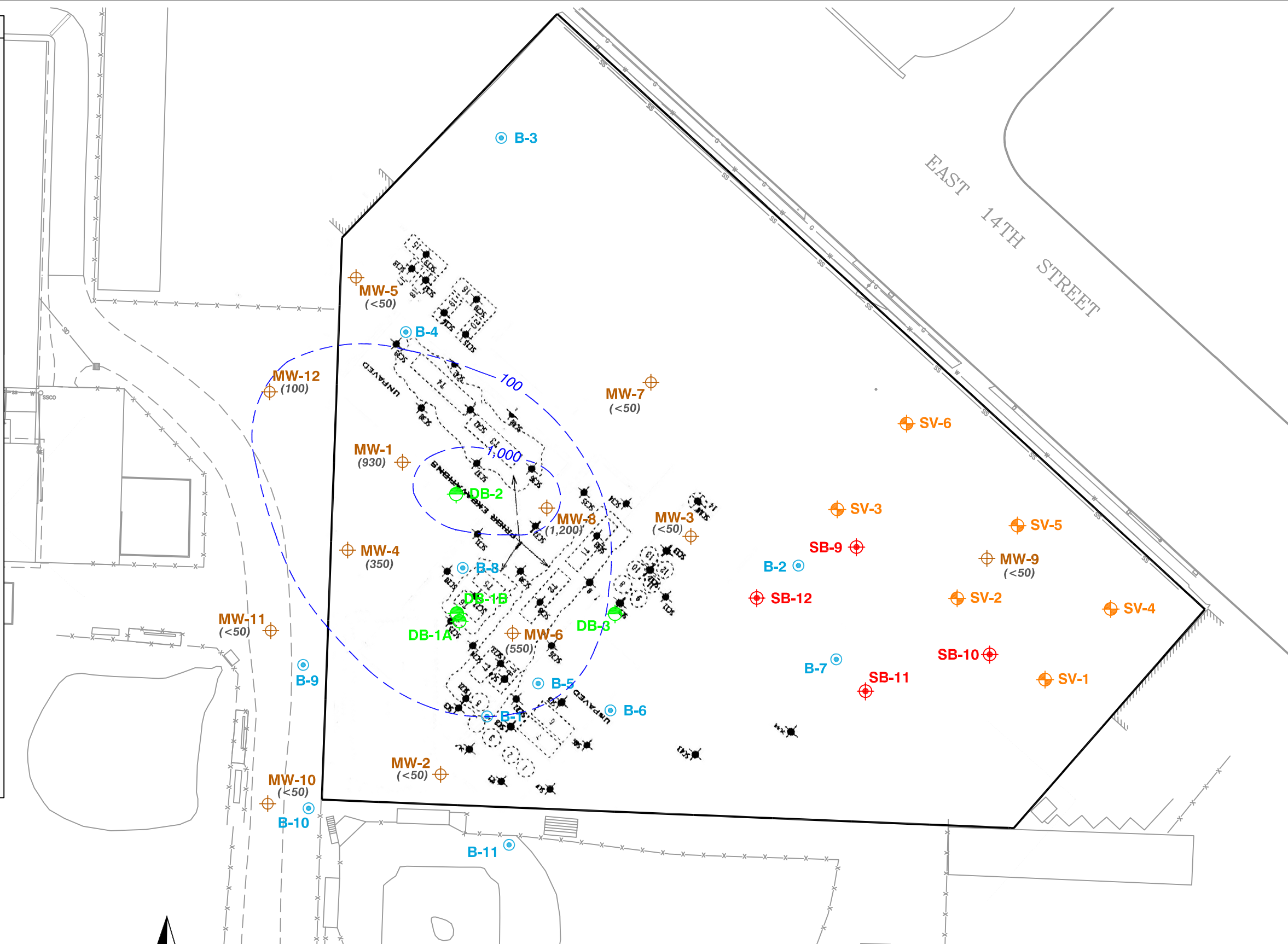
-  **MW-12** APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
- TPHg** TOTAL PETROLEUM HYDROCARBON AS GASOLINE
- (1,200)** TPHg CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
-  **B-3** APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
-  **SB-12** APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
-  **DB-3** APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
-  **SV-1** APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
- T1** APPROXIMATE LOCATION OF FORMER USTs
- SC-1** APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
- <50** TPHg CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- 1,000--** SHALLOW GROUNDWATER TPHg ISOCONCENTRATION CONTOUR IN ug/L

FORMER ABT CONTENTS

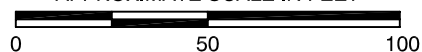
- 1- waste oil/kerosene
- 2- waste oil/kerosene
- 3- waste oil/kerosene
- 4- waste oil/kerosene
- 5- waste oil/kerosene
- 6- waste oil/kerosene
- 7- waste oil/kerosene
- 8- virgin motor oil/automatic trans. fluid/pale stock
- 9- virgin motor oil/automatic trans. fluid/pale stock
- 10- virgin motor oil/automatic trans. fluid/pale stock
- 11- virgin motor oil/automatic trans. fluid/pale stock
- 12- virgin motor oil/automatic trans. fluid/pale stock
- 13- virgin motor oil/automatic trans. fluid/pale stock
- 14- virgin motor oil/automatic trans. fluid/pale stock
- 15- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 16- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 17- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 18- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 19- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 20- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

- T1- gasoline
- T2- gasoline
- T3- gasoline
- T4- stoddard solvent
- T5- kerosene
- T6- kerosene
- T7- diesel
- T8- diesel



APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

Ninyo & Moore		DISSOLVED - PHASE TPHg ISOCONCENTRATION MAP	FIGURE 5

LEGEND

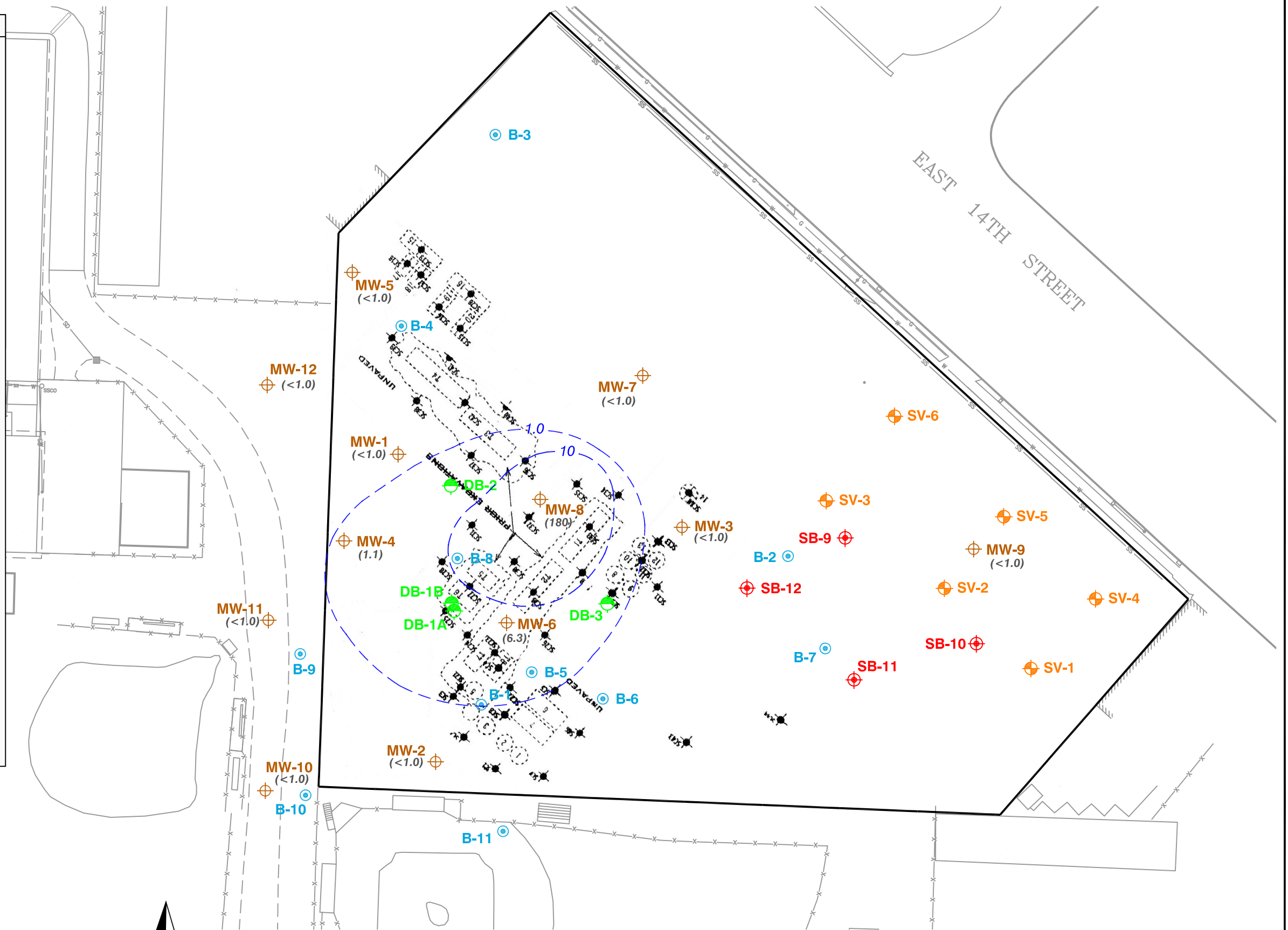
- MW-12** APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
- (180)** BENZENE CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
- B-3** APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
- SB-12** APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
- DB-3** APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
- SV-1** APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
- T1** APPROXIMATE LOCATION OF FORMER USTs
- SC-1** APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
- <1.0** BENZENE CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- 10 --** SHALLOW GROUNDWATER BENZENE ISOCONCENTRATION CONTOUR IN ug/L

FORMER APT CONTENTS

- 1- waste oil/kerosene
- 2- waste oil/kerosene
- 3- waste oil/kerosene
- 4- waste oil/kerosene
- 5- waste oil/kerosene
- 6- waste oil/kerosene
- 7- waste oil/kerosene
- 8- virgin motor oil/automatic trans. fluid/pale stock
- 9- virgin motor oil/automatic trans. fluid/pale stock
- 10- virgin motor oil/automatic trans. fluid/pale stock
- 11- virgin motor oil/automatic trans. fluid/pale stock
- 12- virgin motor oil/automatic trans. fluid/pale stock
- 13- virgin motor oil/automatic trans. fluid/pale stock
- 14- virgin motor oil/automatic trans. fluid/pale stock
- 15- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 16- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 17- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 18- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 19- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene
- 20- waste oil/kerosene/virgin motor oil/automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

- T1- gasoline
- T2- gasoline
- T3- gasoline
- T4- stoddard solvent
- T5- kerosene
- T6- kerosene
- T7- diesel
- T8- diesel



REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

		DISSOLVED - PHASE BENZENE ISOCONCENTRATION MAP FORMER HOLLAND OIL FACILITY 16301 EAST 14TH STREET SAN LEANDRO, CALIFORNIA	FIGURE 6

APPROXIMATE SCALE IN FEET
 0 50 100
 NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

APPENDIX A
REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

September 16, 2008

Ms. Ann Marie Holland Tiers
Estate of Jack Holland
1498 Hamrick Lane
Hayward, CA 94544

Ms. Barbara Holland
P.O. Box 5
Kentfield, CA 94914

Mr. Lawrence Lepore
Hayward Area Recreation and Park District
1099 E Street
Hayward, CA 94541

Subject: Fuel Leak Case No. RO0000212 and Geotracker Global ID T0600100709, Holland Oil, 16301 East 14th Street, San Leandro, CA 94580

Dear Ms. Tiers, Ms. Holland, and Mr. Lepore:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site including the recently submitted document entitled, "*Site Assessment Workplan, Holland Oil Property, 16301 East 14th Street, San Leandro, California 945780,*" dated August 20, 2008. The Work Plan proposes soil, groundwater, and soil vapor sampling to evaluate the extent of contamination related to unauthorized releases from a former bulk fuel storage and distribution facility.

The scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed activities. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comment below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Soil Sampling from Direct Push Soil Borings.** We request that soils from the proposed direct push soil borings and be logged and screened continuously in the field as the boring is advanced. Field screening is to be conducted by a qualified field geologist using visual observations, odor, and measurements using a field photoionization detector (PID) fitted with an appropriate lamp that is calibrated for the chemicals of concern. Soil samples are to be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. If no visible staining, odor, or elevated PID readings are observed in the borings, the collection of soil samples for laboratory analysis at the proposed intervals of 2, 5, and 10 feet bgs are acceptable. Please present the results in the Site Assessment Report requested below.

Ms. Ann Marie Holland Tiers
Ms. Barbara Holland
Mr. Lawrence Lepore
September 16, 2008
Page 2

2. **Soil Contamination in Area of B-2 and B-7.** Elevated concentrations of total petroleum hydrocarbons (TPH) as diesel and kerosene were detected in soil samples collected from soil borings B-2 and B-7, which are located in the eastern portion of the site. The horizontal extent of contamination in this area has not been determined. We request that you advance a minimum of two shallow soil borings in this area using the methods proposed for borings B-9 and B-10 to define the extent of contamination. Approximate locations are shown on Attachment A: Additional Soil Borings. Please present the results in the Site Assessment Report requested below.
3. **Laboratory Analyses.** We request that all soil samples for laboratory analysis be analyzed for total petroleum hydrocarbons as motor oil using EPA Method 8015 in addition to the proposed laboratory analyses. Please present the results in the Site Assessment Report requested below.
4. **Monitoring Well Depths.** We request that the depth of the filter pack and screen intervals for the proposed monitoring wells be limited to 15 feet bgs in order to avoid possible cross contamination of lower water-bearing zones.
5. **Groundwater Monitoring.** Quarterly groundwater monitoring is to be implemented for the existing monitoring wells at the site. The groundwater samples are to be analyzed for TPH as gasoline and TPH as diesel using EPA Method 8015 and VOCs using EPA method 8260. Please include results from the quarterly groundwater sampling in the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **November 17, 2008** – Third Quarter 2008 Groundwater Monitoring Report
- **January 23, 2009** – Site Assessment Report
- **February 17, 2009** – Fourth Quarter 2008 Groundwater Monitoring Report
- **May 18, 2009** – First Quarter 2009 Groundwater Monitoring Report

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.

Ms. Ann Marie Holland Tiers
Ms. Barbara Holland
Mr. Lawrence Lepore
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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.swrcb.ca.gov/ust/cleanup/electronic_reporting).

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.

Ms. Ann Marie Holland Tiers
Ms. Barbara Holland
Mr. Lawrence Lepore
September 16, 2008
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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.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment A: Additional Soil Borings

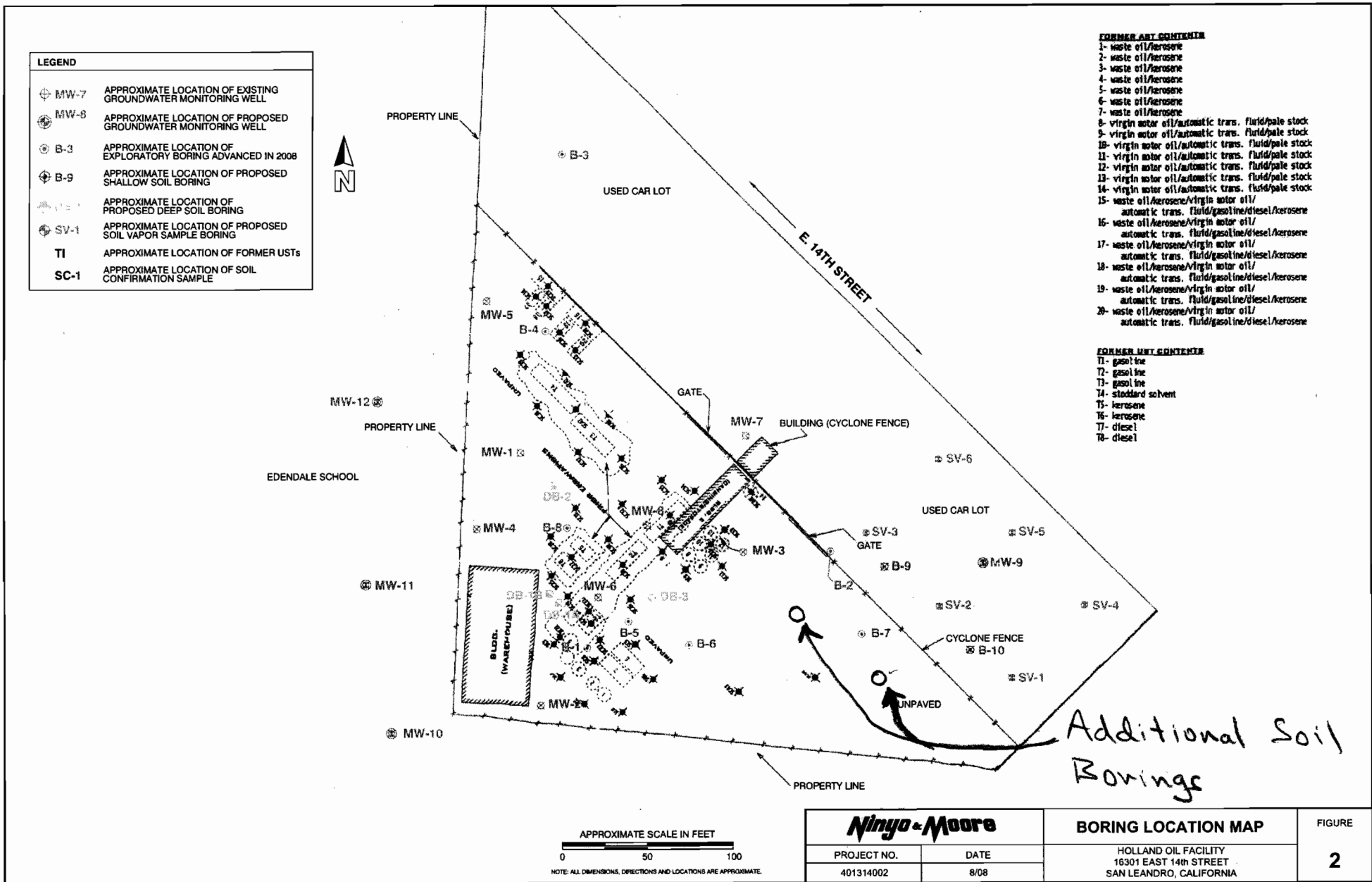
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Hazardous Materials Unit, 250 Frank Ogawa Plaza, Suite 3341,
Oakland, CA 94612

Markus Niebanck, 580 Second Street, Suite 260, Oakland, CA 94607

Cem Atabek, Ninyo & Moore, 1956 Webster Street, Suite 400, Oakland, CA 94612

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Attachment A: Additional Soil Borings

APPENDIX B
FIELD DATA SHEET

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street
 Project No.: 401314003
 Monitoring Well ID: MW-1

Date: 1/22/09 Sampler: OB
 Weather: rainy
 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____ Casing Material: SCH 40-PVC Other: S. Steel
 Total Depth (ft-TOC): 15.58 Floating Immiscible Layer Observed?: no
 Depth to Water (ft-TOC): 8.25 Floating Immiscible Layer Thickness (feet): _____
 Water Column Height (feet): 7.33 x $\frac{2" = 0.16}{4" = 0.65}$ gal/ft = 1.17 x 3 = 3.5 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes
 Purging Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____
 Pump Lines/Bailer Ropes-New or Cleaned?: new
 Temp./pH Meter: Dakota Calibration (date/time): 1/22/09
 Conductivity Meter: " " Calibration (date/time): _____
 Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	<u>7.09</u>	<u>16.1</u>

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
905	0.5		19.2	6.52	667	grey, cloudy, petroleum odor, no sheen
908	1		19.2	6.49	665	"
911	1.5		19.2	6.48	662	"
914	2		19.3	6.47	660	"
916	2.5		19.3	6.46	660	"
918	3		19.4	6.47	658	"
920	3.5		19.4	6.48	656	"

Total Volume Purged (gallon): 3.5 Time Finished Purging: 920

Sampling Method/Equipment: peristaltic pump
 Bailer Rope-New or Cleaned?: new
 Sample Time: 925
 Sample ID: MW-1
 Replicate ID (if appl.): _____
 Laboratory: Sparger Technology Inc.
 Comments: _____

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.



GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/22/09

Sampler: DB

Project No.: 401314003

Weather: rainy

Monitoring Well ID: MW-2

Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 22.17

Floating Immiscible Layer Observed?: No

Depth to Water (ft-TOC): 8.64

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 13.53 x

$\frac{2"=0.16}{4"=0.65}$ gal/ft = 2.16 x 3 = 6.48

Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton

Calibration (date/time): 1/22/09

Conductivity Meter: " "

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.03	16.1

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1000	1		18.0	6.96	588	gray, cloudy, no odor, no sheen
1002	2		18.0	6.92	589	" "
1004	3		18.0	6.85	588	" "
1007	4		18.0	6.81	588	" "
1010	5		18.0	6.78	590	" "
1013	6		17.9	6.76	591	" "
1016	6.5		17.9	6.76	589	" "

Total Volume Purged (gallon): 6.5

Time Finished Purging: 1016

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1020

Sample ID: MW-2

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/22/09

Sampler: DB

Project No.: 401314003

Weather: overcast/rainy

Monitoring Well ID: MW-3

Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 92.95

Floating Immiscible Layer Observed?: no

Depth to Water (ft-TOC): 8.45

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 14.5 x

2" = 0.16 gal/ft = 2.32 x 3 = 6.96 Min. Purge Volume (gallons)
 4" = 0.65
 6" = 1.47

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton

Calibration (date/time): 1/22/09

Conductivity Meter: " "

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.03	16.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1054	1		19.8	6.96	576	light brown, cloudy, no odor, no sheen
1057	2		19.9	6.83	573	" "
1100	3		19.9	6.77	573	" "
1102	4		19.9	6.74	572	" "
1104	5		19.9	6.71	572	clear No odor No sheen
1107	6		19.9	6.69	573	" "
1110	7		20.0	6.68	571	" "

Total Volume Purged (gallon): 7.0

Time Finished Purging: 1110

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1115

Sample ID: MW-3

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/22/09

Sampler: DB

Project No.: 401314003

Weather: overcast/rainy

Monitoring Well ID: MW-4

Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 19.3

Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 8.39

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 11.09 x

2" = 0.16
4" = 0.65 gal/ft = 1.77 x 3 = 5.32
6" = 1.47

Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton

Calibration (date/time): 1/22/09

Conductivity Meter: " "

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	<u>7.03</u>	<u>16.1</u>

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
<u>1154</u>	<u>1</u>		<u>19.3</u>	<u>6.67</u>	<u>619</u>	<u>Gray, cloudy, slight odor (gas), slight sheen.</u>
<u>1158</u>	<u>2</u>		<u>19.3</u>	<u>6.55</u>	<u>618</u>	<u>" "</u>
<u>1201</u>	<u>3</u>		<u>19.4</u>	<u>6.51</u>	<u>618</u>	<u>" "</u>
<u>1203</u>	<u>4</u>		<u>19.4</u>	<u>6.49</u>	<u>618</u>	<u>" "</u>
<u>1205</u>	<u>5</u>		<u>19.3</u>	<u>6.48</u>	<u>620</u>	<u>Gray Not so cloudy, " "</u>
<u>1207</u>	<u>5.5</u>		<u>19.4</u>	<u>6.47</u>	<u>618</u>	<u>" "</u>

Total Volume Purged (gallon): 5.5

Time Finished Purging: 1207

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1213

Sample ID: MW-4

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/22/09 Sampler: DB

Project No.: 401314003

Weather: overcast

Monitoring Well ID: MW-5

Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 19.37

Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 7.91

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 11.46 x $\frac{2" \approx 0.16}{4" = 0.65}$ gal/ft = 1.83 x 3 = 5.49 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton

Calibration (date/time): 1/22/09

Conductivity Meter: " "

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.03...	16.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1308	1		18.9	6.77	679	very lite brown, slight cloudy, no odor/sheen
1311	2		19.0	6.64	678	gray, cloudy, no odor, no sheen
1313	3		19.0	6.57	677	" " " "
1315	4		19.0	6.54	677	" " " "
1318	5		19.0	6.52	674	" " " "
1320	5.5		19.0	6.51	674	clear no odor, no sheen

Total Volume Purged (gallon): 5.5

Time Finished Purging: 1320

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1325

Sample ID: MW-5

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street Date: 1/22/09 Sampler: DB

Project No.: 401314003 Weather: overcast

Monitoring Well ID: MW-6 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____ Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 13.76 Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 8.43 Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 5.33 x $\frac{2" = 0.16}{4" = 0.65}$ gal/ft = 0.85 x 3 = 2.55 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton Calibration (date/time): 1/22/09

Conductivity Meter: " " Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.03	16.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1413	.5		19.7	6.80	652	clear, slight odor, no sheen
1415	1		19.6	6.74	650	" "
1418	1.5		19.7	6.66	647	" "
1420	2		19.7	6.60	642	" "
1422	2.5		19.8	6.57	637	" "
1424	3		19.8	6.53	632	" "

Total Volume Purged (gallon): 3 Time Finished Purging: 1424

Sampling Method/Equipment: peristaltic pump

Bailer Rope-New or Cleaned?: new

Sample Time: 1430

Sample ID: MW-6

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street
 Project No.: 401314003
 Monitoring Well ID: MW-7

Date: 1/22/09 Sampler: DB
 Weather: overcast
 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____ Casing Material: SCH 40-PVC Other: S. Steel
 Total Depth (ft-TOC): 14.72 Floating Immiscible Layer Observed?: NO
 Depth to Water (ft-TOC): 8.22 Floating Immiscible Layer Thickness (feet): _____
 Water Column Height (feet): 6.5 x $\frac{2"=0.16}{4"=0.65}$ gal/ft = 1.04 x 3 = 3.12 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes
 Pumping Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____
 Pump Lines/Bailer Ropes-New or Cleaned?: new
 Temp./pH Meter: oakton Calibration (date/time): 1/22/09
 Conductivity Meter: " " Calibration (date/time): _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.03	16.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1520	.5		18.7	6.90	564	Gray, cloudy, no odor, no sheen
1522	1		18.7	6.85	564	" " "
1524	1.5		18.7	6.78	564	lite gray, " " "
1526	2		18.8	6.72	563	clear, not cloudy " "
1528	2.5		18.8	6.67	563	" " "
1530	3		18.8	6.65	563	" " "
1532	3.5		18.8	6.64	563	" " "

Total Volume Purged (gallon): 3.5 Time Finished Purging: 1532

Sampling Method/Equipment: peristaltic pump
 Bailer Rope-New or Cleaned?: new
 Sample Time: 1540
 Sample ID: MW-7
 Replicate ID (if appl.): _____
 Laboratory: Sparger Technology Inc.
 Comments: _____

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street
 Project No.: 401314003
 Monitoring Well ID: MW-8

Date: 1/23/09 Sampler: DB
 Weather: overcast/rainy
 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____ Casing Material: SCH 40-PVC Other: S. Steel
 Total Depth (ft-TOC): 14.91 Floating Immiscible Layer Observed?: NO
 Depth to Water (ft-TOC): 8.16 Floating Immiscible Layer Thickness (feet): _____
 Water Column Height (feet): 6.75 x $\frac{2''=0.16}{4''=0.65}$ gal/ft = 1.08 x 3 = 3.24 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes
 Pumping Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____
 Pump Lines/Bailer Ropes-New or Cleaned?: new
 Temp./pH Meter: Dakota Calibration (date/time): 1/23/09
 Conductivity Meter: " " Calibration (date/time): _____
 Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.02	13.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0846	0.5		19.2	6.80	565	Clear, Non turbid, strong odor (gas), slight sheen
0848	1		19.2	6.65	562	" "
0850	1.5		19.3	6.61	556	" "
0852	2		19.3	6.59	554	" "
0855	2.5		19.3	6.58	552	" "
0857	3		19.4	6.58	550	" "
0859	3.5		19.3	6.60	549	" "

Total Volume Purged (gallon): 3.5 Time Finished Purging: 0859

Sampling Method/Equipment: peristaltic pump
 Bailer Rope-New or Cleaned?: new
 Sample Time: 0910
 Sample ID: MW-8
 Replicate ID (if appl.): _____
 Laboratory: Sparger Technology Inc.
 Comments: _____

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/23/09

Sampler: DB

Project No.: 401314003

Weather: overcast/rainy

Monitoring Well ID: MW-9

Vapor Monitoring Results (ppmv):

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 14.72

Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 7.69

Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 7.03 x

2" = 0.16 gal/ft = 1.12 x 3 = 3.36 Min. Purge Volume (gallons)
4" = 0.65
6" = 1.47

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned:

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Dakota

Calibration (date/time): 1/23/09

Conductivity Meter: " .1

Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	13.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0957	.5		18.9	7.24	581	gray, cloudy, no odor, no sheen
0959	1		19.0	7.07	579	"
1001	1.5		19.0	7.00	578	"
1003	2		19.1	6.95	578	"
1005	2.5		19.1	6.92	579	"
1007	3		19.1	6.90	579	clear, "
1009	3.5		19.2	6.89	578	" "

Total Volume Purged (gallon): 3.5

Time Finished Purging: 1009

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1025

Sample ID: MW-9

Replicate ID (if appl.):

Laboratory: Sparger Technology Inc.

Comments:

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street

Date: 1/23/09 Sampler: DB

Project No.: 401314003

Weather: overcast/rainy

Monitoring Well ID: MW-10

Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Depth (ft-TOC): 14.95

Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 8.25

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 6.7 x

2" = 0.16 gal/ft = 1.07 x 3 = 3.21 Min. Purge Volume (gallons)
4" = 0.65
6" = 1.47

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: oatek

Calibration (date/time): 1/23/09

Conductivity Meter: _____

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	<u>7.02</u>	<u>13.1</u>

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
<u>1136</u>	<u>.5</u>		<u>17.7</u>	<u>7.39</u>	<u>567</u>	<u>lite brown, cloudy, no odor, no sheen</u>
<u>1138</u>	<u>1</u>		<u>17.8</u>	<u>7.31</u>	<u>567</u>	<u>lite gray, cloudy, no odor, no sheen</u>
<u>1140</u>	<u>1.5</u>		<u>17.8</u>	<u>7.17</u>	<u>567</u>	<u>clear, no odor, no sheen</u>
<u>1142</u>	<u>2</u>		<u>17.8</u>	<u>7.12</u>	<u>568</u>	<u>" "</u>
<u>1144</u>	<u>2.5</u>		<u>17.8</u>	<u>7.06</u>	<u>568</u>	<u>" "</u>
<u>1146</u>	<u>3</u>		<u>17.8</u>	<u>7.02</u>	<u>568</u>	<u>" "</u>
<u>1148</u>	<u>3.5</u>		<u>17.8</u>	<u>7.00</u>	<u>568</u>	<u>" "</u>

Total Volume Purged (gallon): 3.5

Time Finished Purging: 1148

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new

Sample Time: 1200

Sample ID: MW-10

Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street
 Project No.: 401314003
 Monitoring Well ID: MW-11

Date: 1/23/09 Sampler: DB
 Weather: overcast/rainy
 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____

Casing Material: SCH 40-PVC Other: S. Steel _____

Total Depth (ft-TOC): 14.56

Floating Immiscible Layer Observed?: NO

Depth to Water (ft-TOC): 7.76

Floating Immiscible Layer Thickness (feet): _____

Water Column Height (feet): 6.8 x _____

2" = 0.16 gal/ft = 1.09 x 3 = 3.27 Min. Purge Volume (gallons)
 4" = 0.65
 6" = 1.47

Water Level Measurement Equip.: Solinst Water Level Meter

Cleaned: yes

Purging Method/Equipment: peristaltic pump/disposable bailer

Cleaned: _____

Pump Lines/Bailer Ropes-New or Cleaned?: new

Temp./pH Meter: Oakton

Calibration (date/time): 1/23/09

Conductivity Meter: " "

Calibration (date/time): _____

Comments: _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	7.02	13.1

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1223	.5		17.4	7.25	558	Brown, cloudy, No odor, No sheen
1225	1		17.4	7.11	557	light Brown, cloudy, No odor, No sheen
1227	1.5		17.4	7.03	557	" " "
1229	2		17.4	6.97	559	clear, No odor No sheen
1231	2.5		17.5	6.93	558	" " "
1233	3		17.5	6.91	559	" " "
1235	3.5		17.5	6.88	559	" " "

Total Volume Purged (gallon): 3.5

Time Finished Purging: 1235

Sampling Method/Equipment: peristaltic pump

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: new
 Sample Time: 1245
 Sample ID: MW-11
 Replicate ID (if appl.): _____

Laboratory: Sparger Technology Inc.

Comments: _____

Project Name: HARD/Holland Oil/Quarterly Groundwater Monitoring

Site: 16301 East 14th Street
 Project No.: 401314003
 Monitoring Well ID: MW-12

Date: 1/23/09 Sampler: DB
 Weather: overcast/rainy
 Vapor Monitoring Results (ppmv): _____

Casing Diameter: 2" 4" 6" Other _____ Casing Material: SCH 40-PVC Other: S. Steel
 Total Depth (ft-TOC): 14.91 Floating Immiscible Layer Observed?: NO
 Depth to Water (ft-TOC): 7.83 Floating Immiscible Layer Thickness (feet): _____
 Water Column Height (feet): 7.08 x $\frac{2" = 0.16}{4" = 0.65} \text{ gal/ft} = 1.13$ x 3 = 3.39 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Meter Cleaned: yes
 Purging Method/Equipment: peristaltic pump/disposable bailer Cleaned: _____
 Pump Lines/Bailer Ropes-New or Cleaned?: new
 Temp./pH Meter: Oakton Calibration (date/time): 1/23/09
 Conductivity Meter: " " Calibration (date/time): _____

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	<u>7.02</u>	<u>13.1</u>

TIME	Purge Vol. (Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
<u>1317</u>	<u>.5</u>		<u>18.5</u>	<u>7.13</u>	<u>595</u>	<u>lite brown, cloudy, no odor, no sheen</u>
<u>1319</u>	<u>1</u>		<u>18.5</u>	<u>7.06</u>	<u>596</u>	<u>" "</u>
<u>1321</u>	<u>1.5</u>		<u>18.5</u>	<u>6.97</u>	<u>596</u>	<u>" "</u>
<u>1323</u>	<u>2</u>		<u>18.5</u>	<u>6.88</u>	<u>595</u>	<u>lite gray, cloudy, no odor, no sheen</u>
<u>1325</u>	<u>2.5</u>		<u>18.5</u>	<u>6.84</u>	<u>595</u>	<u>" "</u>
<u>1327</u>	<u>3</u>		<u>18.5</u>	<u>6.81</u>	<u>596</u>	<u>" "</u>
<u>1329</u>	<u>3.5</u>		<u>18.5</u>	<u>6.79</u>	<u>596</u>	<u>" "</u>

Total Volume Purged (gallon): 3.5 Time Finished Purging: 1329

Sampling Method/Equipment: peristaltic pump
 Bailer Rope-New or Cleaned?: new
 Sample Time: 1340
 Sample ID: MW-12
 Replicate ID (if appl.): _____
 Laboratory: Sparger Technology Inc.
 Comments: _____

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/TYPE (Voa/Glass/Plastic)	PRES.

APPENDIX C
ANALYTICAL LABORATORY REPORT

Cem Atabek
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, CA 94612

Client	Ninyo & Moore
Workorder	18770 Holland Oil
Received	01/26/09

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.



Ray James
Laboratory Director

Cem Atabek
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, CA 94612

Workorder 18770

Enclosed are the results from samples received on January 26, 2009.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18770001	MW-1, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770002	MW-2, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770003	MW-3, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770004	MW-4, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770005	MW-5, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770006	MW-6, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770007	MW-7, Water	01/22/09	8015B TPHd 8015B TPHgas 8260B
18770008	MW-8, Water	01/23/09	8015B TPHd 8015B TPHgas 8260B
18770009	MW-9, Water	01/23/09	8015B TPHd 8015B TPHgas 8260B
18770010	MW-10, Water	01/23/09	8015B TPHd 8015B TPHgas 8260B

Workorder 18770

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18770011	MW-11, Water	01/23/09	8015B TPHd 8015B TPHgas 8260B
18770012	MW-12, Water	01/23/09	8015B TPHd 8015B TPHgas 8260B

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770001
Sample ID MW-1
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHd	01/28/09	02/02/09	500	50 ug/L	1:1

1 - Non-typical TPH pattern in diesel range.

Laboratory ID 18770001
Sample ID MW-1
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	930	50 ug/L	1:1

Surrogates

Surrogates	Result	Recovery	Limits
Trifluorotoluene	24 ug/L	120 %	(65 - 135)

Laboratory ID 18770001
Sample ID MW-1
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution	
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770001
Sample ID MW-1
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	20	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	2.5	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770001
 Sample ID MW-1
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	40	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	5.6	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	40	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	7.9	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates

	Result	Recovery	Limits
1,2-Dichloroethane-d4	54 ug/L	108 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

Laboratory ID 18770002
 Sample ID MW-2
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8015B TPH Diesel

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770002
Sample ID MW-2
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates

Result	Recovery	Limits
Trifluorotoluene 17 ug/L	85 %	(65 - 135)

Laboratory ID 18770002
Sample ID MW-2
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution	
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770002
Sample ID MW-2
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	1.7	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770002
 Sample ID MW-2
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates

	Result	Recovery	Limits
1,2-Dichloroethane-d4	54 ug/L	108 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

Laboratory ID 18770003
 Sample ID MW-3
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8015B TPH Diesel

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Laboratory ID 18770003
 Sample ID MW-3
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates

	Result	Recovery	Limits
Trifluorotoluene	14 ug/L	70 %	(65 - 135)

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770003
 Sample ID MW-3
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles
 Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770003
Sample ID MW-3
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770
Laboratory ID 18770003
Sample ID MW-3
Matrix Water

Workorder ID Holland Oil
Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles - 8260B (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

Laboratory ID 18770004
Sample ID MW-4
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel ¹	8015B TPHd	01/28/09	02/02/09	400	50 ug/L	1:1

¹ - TPHdiesel was weathered.

Laboratory ID 18770004
Sample ID MW-4
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	350	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	28 ug/L	140 %	(65 - 135)

Laboratory ID 18770004
Sample ID MW-4
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770004
 Sample ID MW-4
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	1.1	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	1.3	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770004
Sample ID MW-4
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	6.9	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	1.0	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	2.3	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	10	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	4.0	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	50 ug/L	100 %	(65 - 127)
4-Bromofluorobenzene	51 ug/L	102 %	(65 - 133)

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770005
Sample ID MW-5
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

**8015B TPH Diesel
Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHd	01/28/09	02/02/09	200	50 ug/L	1:1

1 - Non-typical TPH pattern in diesel range.

Laboratory ID 18770005
Sample ID MW-5
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

**8015B TPH Gas
Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

Laboratory ID 18770005
Sample ID MW-5
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

**8260B GC/MS Volatiles
Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution	
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770005
Sample ID MW-5
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	20	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770005
Sample ID MW-5
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates

	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	50 ug/L	100 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

Laboratory ID 18770006
Sample ID MW-6
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel ¹	8015B TPHd	01/28/09	02/02/09	600	50 ug/L	1:1

¹ - TPHdiesel was weathered.

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770006
Sample ID MW-6
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	550	50 ug/L	1:1

Surrogates

Trifluorotoluene Result 17 ug/L Recovery 85 % Limits (65 - 135)

Laboratory ID 18770006
Sample ID MW-6
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	1.1	1.0 ug/L 1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	3.4	1.0 ug/L 1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L 1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L 1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770006
Sample ID MW-6
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	6.3	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	1.0	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	6.9	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	20	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770006
Sample ID MW-6
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	1.3	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	10	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	2.3	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

Laboratory ID 18770007
Sample ID MW-7
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Laboratory ID 18770007
Sample ID MW-7
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/L	70 %	(65 - 135)

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770007
 Sample ID MW-7
 Matrix Water

Sampled 01/22/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770007
Sample ID MW-7
Matrix Water

Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770
Laboratory ID 18770007
Sample ID MW-7
Matrix Water

Workorder ID Holland Oil
Sampled 01/22/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles - 8260B (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	53 ug/L	106 %	(65 - 133)

Laboratory ID 18770008
Sample ID MW-8
Matrix Water
Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel ¹	8015B TPHd	01/28/09	02/02/09	500	50 ug/L	1:1

¹ - Non-typical TPH pattern in diesel range.

Laboratory ID 18770008
Sample ID MW-8
Matrix Water
Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	1200	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

Laboratory ID 18770008
Sample ID MW-8
Matrix Water
Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770008
 Sample ID MW-8
 Matrix Water

Sampled 01/23/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	30	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	6.6	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	180	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	1.7	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770008
Sample ID MW-8
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	40	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	4.7	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	20	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	3.7	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	30	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	60	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	8.9	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	7.4	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57 ug/L	114 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	54 ug/L	108 %	(65 - 133)

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770009
Sample ID MW-9
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Laboratory ID 18770009
Sample ID MW-9
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates

Surrogate	Result	Recovery	Limits
Trifluorotoluene	17 ug/L	85 %	(65 - 135)

Laboratory ID 18770009
Sample ID MW-9
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770009
Sample ID MW-9
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770009
Sample ID MW-9
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

Laboratory ID 18770010
Sample ID MW-10
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Laboratory ID 18770010
Sample ID MW-10
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770010
Sample ID MW-10
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
 Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770010
 Sample ID MW-10
 Matrix Water

Sampled 01/23/09
 Received 01/26/09
 Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770
Laboratory ID 18770010
Sample ID MW-10
Matrix Water

Workorder ID Holland Oil
Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles - 8260B (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57 ug/L	114 %	(65 - 135)
Toluene d8	50 ug/L	100 %	(65 - 127)
4-Bromofluorobenzene	53 ug/L	106 %	(65 - 133)

Laboratory ID 18770011
Sample ID MW-11
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1

Laboratory ID 18770011
Sample ID MW-11
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

Laboratory ID 18770011
Sample ID MW-11
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770011
Sample ID MW-11
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770011
Sample ID MW-11
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	63 ug/L	126 %	(65 - 135)
Toluene d8	52 ug/L	104 %	(65 - 127)
4-Bromofluorobenzene	55 ug/L	110 %	(65 - 133)

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770012
Sample ID MW-12
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Diesel
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHd	01/28/09	02/02/09	300	50 ug/L	1:1

1 - Non-typical TPH pattern in diesel range.

Laboratory ID 18770012
Sample ID MW-12
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	01/26/09	01/26/09	100	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

Laboratory ID 18770012
Sample ID MW-12
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L 1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770012
Sample ID MW-12
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18770

Workorder ID Holland Oil

Laboratory ID 18770012
Sample ID MW-12
Matrix Water

Sampled 01/23/09
Received 01/26/09
Reported 02/03/09

8260B GC/MS Volatiles (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	64 ug/L	128 %	(65 - 135)
Toluene d8	52 ug/L	104 %	(65 - 127)
4-Bromofluorobenzene	58 ug/L	116 %	(65 - 133)

Method Blank Report

Client ID	Laboratory ID	Sample ID	Matrix	Prep Date	Analyzed	Result	RL Units	Dilution
Ninyo & Moore	89483	MB for HBN 360956 [SGXV/2559]	Water					
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution		
TPHdiesel	8015B TPHd	01/28/09	02/02/09	ND	50 ug/L	1:1		

Lab Control Sample Report

Client ID	Laboratory ID	Sample ID	Matrix	Prep Date	Analyzed	Result	RL Units	Dilution
Ninyo & Moore	89484	LCS for HBN 360956 [SGXV/2559]	Water					
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution		

Lab Control Sample Report

Client ID Ninyo & Moore **Sample ID** LCS for HBN 360956 [SGXV/2559]
Laboratory ID 89484 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
TPHdiesel	8015B TPHd	01/28/09	02/02/09	980	50 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore **Sample ID** LCSD for HBN 360956 [SGXV/2559]
Laboratory ID 89485 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TPHd	01/28/09	02/02/09	880	50 ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore **Sample ID** MB for HBN 360959 [VMXV/3096]
Laboratory ID 89488 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Butanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore Sample ID MB for HBN 360959 [VMXV/3096]
 Laboratory ID 89488 Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
2-Chloroethylvinyl ether	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
2-Hexanone	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	01/26/09	01/26/09	ND	5.0 ug/L	1:1
Acetone	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Acrolein	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Acrylonitrile	8260B	01/26/09	01/26/09	ND	10 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromoform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Bromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloroform	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Chloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dibromomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Dichloromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Iodomethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Methyl-tert-butyl-ether	8260B	01/26/09	01/26/09	ND	0.5 ug/L	1:1
Naphthalene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Styrene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
Vinyl chloride	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore **Sample ID** MB for HBN 360959 [VMXV/3096]
Laboratory ID 89488 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
cis-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
o-Xylene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	01/26/09	01/26/09	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	53 ug/L	106 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 118)
4-Bromofluorobenzene	51 ug/L	102 %	(65 - 133)

Lab Control Sample Report

Client ID Ninyo & Moore **Sample ID** LCS for HBN 360959 [VMXV/3096]
Laboratory ID 89489 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-Dichloroethene	8260B	01/26/09	01/26/09	52	1.0 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	47	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	44	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	46	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	47	1.0 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore **Sample ID** LCSD for HBN 360959 [VMXV/3096]
Laboratory ID 89490 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-Dichloroethene	8260B	01/26/09	01/26/09	54	1.0 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	49	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	44	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	47	1.0 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID	Ninyo & Moore	Sample ID	LCSD for HBN 360959 [VMXV/3096]
Laboratory ID	89490	Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
Trichloroethene	8260B	01/26/09	01/26/09	49	1.0 ug/L	1:1

Matrix Spike Report

Client ID	Ninyo & Moore	Sample ID	MS for HBN 360959 [VMXV/3096]
Laboratory ID	89491	Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-Dichloroethene	8260B	01/26/09	01/26/09	55	1.0 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	49	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	44	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	45	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	47	1.0 ug/L	1:1

Matrix Spike Duplicate Report

Client ID	Ninyo & Moore	Sample ID	MSD for HBN 360959 [VMXV/3096]
Laboratory ID	89492	Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1-Dichloroethene	8260B	01/26/09	01/26/09	48	1.0 ug/L	1:1
Benzene	8260B	01/26/09	01/26/09	44	1.0 ug/L	1:1
Chlorobenzene	8260B	01/26/09	01/26/09	38	1.0 ug/L	1:1
Toluene	8260B	01/26/09	01/26/09	40	1.0 ug/L	1:1
Trichloroethene	8260B	01/26/09	01/26/09	41	1.0 ug/L	1:1

Method Blank Report

Client ID	Ninyo & Moore	Sample ID	MB for HBN 360966 [VGXV/2989]
Laboratory ID	89500	Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	ND	50 ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	17 ug/L	85 %	(65 - 135)

Lab Control Sample Report

Client ID Ninyo & Moore **Sample ID** LCS for HBN 360966 [VGXV/2989]
Laboratory ID 89501 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	1020	50 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore **Sample ID** LCSD for HBN 360966 [VGXV/2989]
Laboratory ID 89502 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	1020	50 ug/L	1:1

Matrix Spike Report

Client ID Ninyo & Moore **Sample ID** MS for HBN 360966 [VGXV/2989]
Laboratory ID 89503 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	2180	50 ug/L	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore **Sample ID** MSD for HBN 360966 [VGXV/2989]
Laboratory ID 89504 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	01/26/09	01/26/09	2010	50 ug/L	1:1

Client ID Ninyo & Moore **Original** 18770001
QC Batch VMX 3139 **Samples** Matrix Spike [89491]
Matrix Water Matrix Spike Duplicate [89492]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	110	96	(61-145)	14	(20 MAX)
Benzene	98	88	(76-127)	11	(20 MAX)
Trichloroethene	94	82	(71-135)	14	(20 MAX)
Toluene	90	80	(76-130)	12	(20 MAX)
Chlorobenzene	88	76	(75-130)	15	(20 MAX)

QC SUMMARY

Client ID	Ninyo & Moore	Original	18770001
QC Batch	VGX 3109	Samples	Matrix Spike [89503]
Matrix	Water		Matrix Spike Duplicate [89504]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	126	108	(65-135)	15	(20 MAX)

Client ID	Ninyo & Moore	Samples	Lab Control Sample [89484]
QC Batch	SGX 2589		Lab Control Sample Duplicate [89485]
Matrix	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	98	88	(65-135)	11	(20 MAX)

Client ID	Ninyo & Moore	Samples	Lab Control Sample [89489]
QC Batch	VMX 3139		Lab Control Sample Duplicate [89490]
Matrix	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	104	108	(65-145)	3.8	(20 MAX)
Benzene	94	98	(71-127)	4.2	(20 MAX)
Trichloroethene	94	98	(75-135)	4.2	(20 MAX)
Toluene	92	94	(76-135)	2.2	(20 MAX)
Chlorobenzene	88	88	(76-135)	00	(20 MAX)

Client ID	Ninyo & Moore	Samples	Lab Control Sample [89501]
QC Batch	VGX 3109		Lab Control Sample Duplicate [89502]
Matrix	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	102	102	(65-135)	00	(20 MAX)



3738 Bradview Drive
 Sacramento, CA 95827
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 Fax: (916) 369-7689

WORKORDER #: **18770**

REMARKS:

Email: SPARGER@SPARGERTECHNOLOGY.COM

Page: 1 of 2

Project Contact (Hardcopy and/or PDF to): Cam Atabek
 Company/Address: Niny & Moore
1956 Webster St., Oakland, CA
 Phone #: 510-633-5640 Fax #: 510-633-5646
 Project #: 401314003 P.O. #:
 Project Name: Holland Oil

California EDF Report? YES NO
 OPTIONAL Sampling Company Log Code: NMO
 Global ID: T0600100709
 EDF Deliverable To (Email Address): Catabek@ninyandmoore.com
 Sampler's Signature: [Signature] Sampler's Name (PRINT): Daniel Brethauer

Chain of Custody and Analysis Request

NO.	SAMPLE ID	Date	Time	Container				Preservative				Matrix				
				40 mL VOA	SLEEVE	1 L Amber		HCL	HNO ₃	ICE	NONE	WATER	SOIL			
1	MW-1	10/22/09	925	6				X		X						
2	MW-2		1020													
3	MW-3		1115													
4	MW-4		1213													
5	MW-5		1325													
6	MW-6		1430													
7	MW-7	✓	1540													
8	MW-8	1/23/09	0910													
9	MW-9		1025													
10	MW-10		1200													

Analysis Request												TAT													
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1, 2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) Total (X) W.E.T (X)	Vocs (P260)												12 hr/ 24 hr/ 48 hr/ 72 hr/ 1 wk

Relinquished By: [Signature] Date 1/26/09 Time 1104
 Relinquished By: _____ Date _____ Time _____
 Relinquished By: _____ Date _____ Time _____
 Received By: [Signature] Date 1-26-09 Time _____

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR
 PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS
 Bill to: _____



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 Sacramento, CA 95827
 Voice: (916) 369-7688
 Fax: (916) 369-7689

WORKORDER #: **18770**

REMARKS:

Email: SPARGER@SPARGERTECHNOLOGY.COM

Page: 2 of 2

Project Contact (Hardcopy and/or PDF to): Cem Atabek
 California EDF Report? YES NO

Company/Address: Ninyo & Moore
1956 Webster St., Oakland, CA
 OPTIONAL Sampling Company Log Code: NMO

Phone #: 510-633-8640 Fax #: 510-633-5646
 Global ID: T0600100709

Project #: 401314003 P.O. #:
 EDF Deliverable To (Email Address): Catabek@ninyoandmoore.com

Project Name: Holland oil
 Sampler's Signature: Daniel Brothauer Sampler's Name (PRINT): Daniel Brothauer

Project Address: 16308 E. 14th St.
San Leandro, CA

NO.	SAMPLE ID	Date	Time	Container		Preservative				Matrix	
				40 mL VOA	SLEEVE	HCL	HNO ₃	ICE	NONE	WATER	SOIL
1	MW-11	1/23/09	1245	6	1 L Amber	X		X		X	
2	MW-12	1/23/09	1340	6	1	X		X		X	
3											
4											
5											
6											
7											
8											
9											
10											

Chain of Custody and Analysis Request

Analysis Request **TAT**

BTEX (8021B)	BTEX/PH Gas/MTBE (8021B) (8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1, 2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) Total (X) W.E.T (X)	VOCs (8260)	12 hr/ 24 hr/ 48 hr/ 72 hr/ 1 wk
X	X	X										X	X	

Relinquished By: [Signature] Date: 1/26/09 Time: 1104

Relinquished By: _____ Date: _____ Time: _____
 Received By: C. James Date: 1/26/09 Time: 1104

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR
 PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

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