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9 April 2007

Proj. No.: H0287D
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Mr. John Nebu
Department of Toxics Substances Control
5796 Corporate Avenue
Cypress, California 90630

Dear Mr. Nebu:

RE: FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT, ASSOCIATED PLATING COMPANY, 9636 ANN STREET SANTA FE SPRINGS, CALIFORNIA

WorleyParsons Komex is pleased to submit the attached First Quarter 2007 Groundwater Monitoring Report for the Associated Plating Company (APC) located at 9636 Ann Street, in the city of Santa Fe Springs, California. This report presents the results obtained from the groundwater sampling conducted at the APC facility in February 2007. If you have any questions or comments, feel free to call at (310) 547-6349.

Sincerely,
WorleyParsons Komex

Lee Paprocki

Lee Paprocki, P.G.
Project Manager

"OFFICIAL FILE COPY"
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

cc: Mr. Michael Evans
Associated Plating Corporation
9636 Ann Street
Santa Fe Springs, CA 90670

Mr. Clare Golnick
FX-6: Personal Privacy

Mr. Dave Klunk
Santa Fe Springs Fire Department
Hazardous Materials Division
11300 Greenstone Avenue
Santa Fe Springs, CA 90670

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ASSOCIATED PLATING COMPANY

First Quarter 2007 Groundwater Monitoring Report

Associated Plating Company, 9636 Ann Street, Santa Fe Springs, California

H0287D

9 April 2007

Environment & Water Resources

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ASSOCIATED PLATING COMPANY
FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT
ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

Lee Paprocki, a California Professional Geologist, as an employee of WorleyParsons Komex, with expertise in contaminant assessment and remediation, and groundwater hydrology, has reviewed the report with the title **First Quarter 2007 Groundwater Monitoring Report, APC Facility, 9636 Ann Street, Santa Fe Springs, California**. Her signature and stamp appear below.

Lee Paprocki

Lee Paprocki

Professional Geologist 7749

REGISTERED GEOLOGIST
LEE PAPROCKI
No. 7749
STATE OF CALIFORNIA

Disclaimer

The information presented in this document was compiled and interpreted exclusively for the purposes stated in Section 1 of the document. WorleyParsons Komex provided this report for Associated Plating Company solely for the purpose noted above.

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LIST OF ACRONYMS AND ABBREVIATIONS

APC	Associated Plating Company
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
COC	chain-of-custody
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
ft/ft	feet per foot
L	liter
LNAPL	light non-aqueous phase liquid
MSL	mean sea level
ug/L	micrograms per liter
mg/L	milligrams per liter
ml	milliliter
QA	quality assurance
QC	quality control
PCE	tetrachloroethene
TCE	trichloroethene
TPH	total petroleum hydrocarbons
VC	vinyl chloride
VOA	volatile organic analysis
VOCs	volatile organic compounds

ASSOCIATED PLATING COMPANY
FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT
ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

1. INTRODUCTION

This document has been prepared by WorleyParsons Komex on behalf of the Associated Plating Company (APC). The report summarizes the groundwater sampling conducted at 9636 Ann Street, Santa Fe Springs, California (herein referred to as the Site). The Site is located in Santa Fe Springs, California at an elevation of approximately 150 feet above mean sea level (MSL) with a local topographic gradient of less than 20 feet per mile to the southeast (Figures 1 and 2).

Monitoring wells, MW-1 through MW-4, were installed at the Site on April 5 and 6, 2006 (Table 1) and were first sampled a week later (Figure 3). Groundwater sampling and analysis completed at the Site during April 2006 identified the presence of chlorinated solvents and petroleum hydrocarbons.

The Department of Toxic Substances Control (DTSC), in their letter dated December 14, 2005 and in a meeting on August 22, 2006, requested that quarterly groundwater sampling be continued for one year. Therefore, first quarter groundwater sampling was conducted in February 2007 and is summarized in this report.

1.1 Geology and Hydrogeology

1.1.1 Regional Geology and Hydrogeology

Los Angeles County is underlain by the Los Angeles County Coastal Plain and is bounded by the Santa Monica Mountains to the north, the low lying Elysian, Repetto, Merced, and Puente Hills to the northeast, a political boundary coinciding with the boundary between Los Angeles County and Orange County to the southeast, and the Pacific Ocean to the southwest. Alluvial fans formed by the Los Angeles, Rio Hondo, and San Gabriel Rivers systems have coalesced to form the Downey Plain, which represents the largest area of recent alluvial deposition in the Coastal Plain. The Downey Plain is bordered by the La Brea, Montebello, and Santa Fe Spring Plains, and the Coyote hills to the north and northeast, the Newport Inglewood uplift to the southwest, and the Coastal Plain of Orange County to the southeast (DWR, 1961). The Downey Plain slopes gently to the south with an average gradient of less than 18 feet per mile. The Site is located between the Downey Plain and the Santa Fe Springs Plain. The Santa Fe Springs Plain is located south of Whittier and east of the San Gabriel River, in the area of the City of Santa Fe Springs. The Santa Fe Springs Plain is a low, slightly rolling topographic feature and represents a continuation of the Coyote Hills Uplift to the southeast.

The Coastal Plain of Los Angeles County is a deep groundwater reservoir filled by unconsolidated alluvial sands, gravels, clays, and silts. Fresh-water aquifers extend to depths of over 2,000 feet. The California Department of Water Resources (DWR) divided the coastal plain into four groundwater basins: the Santa Monica Basin, the West Coast Basin, the Hollywood Basin, and the Central Basin (DWR, 1961). The Site lies within the Central Basin, which is further divided into four parts for descriptive purposes: the Los Angeles Forebay Area, the Montebello Forebay Area, the Whittier Area, and the Central Basin Pressure Area.

The Site is located in the Central Basin Pressure Area. The Central Basin Pressure Area is called a "pressure area" because the aquifers within it are confined by aquicludes over most of the area. The major regional aquitards and aquifers beneath the Site occur in the Recent Alluvium, the Upper Pleistocene Lakewood Formation, and the Lower Pleistocene San Pedro Formation. Depth intervals for the major regional hydro-stratigraphic units (aquitards and aquifers) in the Site vicinity are presented in the table below:

Regional Hydro-stratigraphic Unit	Formation	Approximate Depth Intervals (feet below ground surface)
Bellflower Aquitard	Recent Alluvium	0 – 30
Gaspur	Recent Alluvium	30 – 65
Gage	Lakewood	65 – 110
Hollydale-Jefferson	San Pedro	110 - 130
Lynwood	San Pedro	130 – 210
Silverado	San Pedro	210 – 360
Sunnyside	San Pedro	360 - 610

1.1.2 Site Geology

The Site is underlain with artificial fill composed primarily of silt from the ground surface to an approximate depth of 7 feet below ground surface (bgs). At approximately 7 feet bgs a concrete pad is encountered, which is approximately four inches thick. Underlying the concrete pad is a silt and clay layer that extends to approximately 25 feet bgs. Below the silt and clay layer is a sand and gravelly

sand layer that extends to at least 48 feet bgs (Figure 4). Both the silt and clay layer and the sand and gravel layer correspond to the Recent Alluvium.

1.1.3 Site Hydrogeology

In April 2006, first groundwater was detected between 34 and 38 feet bgs (approximately 112 feet MSL) and corresponds to the Gaspur Aquifer. In February 2007, water levels were between 33.80 and 37.79 feet bgs. Groundwater flow varies between the south-southwest and south-southeast at an approximate gradient of 0.001 feet per foot (ft/ft).

1.2 Site Conceptual Model

In accordance with the Site conceptual model developed below, the subsurface at the Site and Site vicinity was previously divided into three operable units: Operable Unit 1 (OU-1), Operable Unit 2 (OU-2), and Operable Unit 3 (OU-3) (Figure 4). OU-1 consists of fill material underlying the Site from ground surface to the top of the buried concrete pad (approximately 7 feet bgs). OU-2 consists of on-Site soils and the first groundwater zone, from the base of the concrete pad to approximately 50 feet bgs. OU-3 consists of the off-Site soils and the first groundwater zone.

Fill material in OU-1 is impacted by petroleum hydrocarbons (C7 to C36), fuel volatile organic compounds (VOCs), probably representing pre-existing contamination from the former storage tank, and chlorinated solvent compounds, consistent with releases of tetrachloroethene (PCE) from the APC facility.

2. GROUNDWATER SAMPLING

2.1 Groundwater Gauging and Sampling Procedures

Well construction details for the four groundwater monitoring wells (MW-1 through MW-4) are included in Table 1. On February 14, 2007, the four monitoring wells were gauged and then purged and sampled. Following gauging, the wells were purged of at least three well volumes of water, allowed to recover, and then sampled. Groundwater gauging and sampling field notes are provided in Appendix A.

2.2 Quality Assurance/Quality Control Sampling

Field quality assurance/quality control (QA/QC) samples were collected on February 14, 2007, during groundwater sampling activities. An equipment rinsate blank was collected from the groundwater electric pump by running distilled water through the pump hose into two 40-milliliter (ml) volatile organic analysis (VOA) vial. A field blank was collected by filling two 40 ml VOA vial with distilled water, leaving them exposed to ambient air during collection of the equipment blank, and then sealing them. A trip blank, consisting of one sealed 40 ml VOA vial filled with distilled water, was obtained from the laboratory and kept in the ice-chest throughout the day to evaluate if there was any introduction of VOCs during storage and transportation.

2.3 Laboratory Analyses

Monitoring well groundwater samples and QA/QC samples were labeled, placed in an ice chest, and delivered under chain-of-custody (COC) to Sierra Analytical Inc. of Laguna Hills, California, within 24 hours of collection. The samples were analyzed for the following:

- Total petroleum hydrocarbons (TPH), ranging from C7 to C36, in accordance with USEPA Method 8015B; and
- VOCs in accordance with USEPA Method 8260B.

3. GROUNDWATER RESULTS

3.1 Groundwater Results

Groundwater depths in the four monitoring wells ranged from 33.80 to 37.79 feet bgs (113.13 to 112.98 feet MSL) (Table 2). During this sampling event, groundwater flow was generally towards the south-southwest at a gradient of 0.001 ft/ft (Figure 5).

A sheen of light non-aqueous phase liquid (LNAPL) was observed on the product level probe in all four wells: MW-1, MW-2, MW-3, and MW-4.

Groundwater gauging and laboratory analytical results are provided in Tables 2, 3 and 4. The complete laboratory report, including COC and laboratory QA/QC analyses, is provided in Appendix B.

TPH groundwater results are presented in Table 3. Petroleum hydrocarbons were detected in groundwater collected from all four monitoring wells. The lateral distribution of TPH in groundwater for this sampling event is depicted in Figure 6. TPH concentrations in groundwater collected from all four monitoring wells have decreased from April 2006 to February 2007.

VOC groundwater results are presented in Table 4 and Figure 7. Historic groundwater results are included in Table 4.

PCE has consistently not been detected above the laboratory reporting limits in groundwater collected from upgradient well MW-1. Trichloroethene (TCE) concentrations detected in groundwater collected from well MW-1 have increased dramatically from 1.3 ug/L in April 2006 to 55 ug/L in February 2007. Vinyl chloride (VC) concentrations detected in groundwater collected from well MW-1 have decreased from 20 ug/L in April 2006 to 7.4 ug/L in February 2007. Trans- 1,2 - Dichloroethene (trans-1,2-DCE) concentrations have increased slightly from 5.2 ug/L in April 2006 to 9.2 ug/L in February 2007. Cis-1,2-Dichloroethene (cis-1,2-DCE) concentrations have increased slightly as well, from 5.5 ug/L in April 2007 to 15 ug/L in February 2007.

PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected above the laboratory reporting limits in groundwater collected from well MW-2. VC concentrations have slightly decreased from 50 ug/L in April 2006 to 29 ug/L in February 2007.

PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected in groundwater collected from well MW-3. VC concentrations have remained fairly stable in groundwater collected from well MW-3, with detections ranging from 53 ug/L to 34 ug/L.

PCE concentrations in groundwater collected from well MW-4 have remained relatively stable, ranging from 1.2 ug/L to 5.8 ug/L over the past four quarters. In February 2007, TCE was first detected in groundwater at the laboratory reporting limit of 1.0 ug/L. Trans-1,2-DCE was not detected above the laboratory reporting limit. Cis-1,2-DCE was detected in groundwater collected during the last two quarterly events at approximately the laboratory reporting limit of 1.0 ug/L. VC concentrations collected in groundwater from well MW-4 have slightly decreased from 57 ug/L in April 2006 to 34 ug/L in February 2007.

3.2 QA/QC Analytical Results

The results of QA/QC sample analyses are provided in Table 5. Groundwater laboratory QA/QC samples were within acceptable levels. A review of the laboratory analytical report indicates that all internal laboratory QA/QC calibration checks, matrix spike, and matrix spike duplicate recoveries were within acceptable ranges (Appendix B). Chlorinated solvents were not detected in the equipment rinsate blank, field blank or trip blank. Groundwater results are deemed acceptable for the following reasons: standard decontamination practices were followed and no analytes were detected above the laboratory reporting limit in any of the sampling blanks.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

In February 2007, groundwater flow beneath the Site was towards the south-southwest at a gradient of 0.001 ft/ft and depth to groundwater ranged from to 33.80 to 37.79 feet bgs (113.13 to 112.98 feet MSL).

TCE concentrations have dramatically increased in groundwater collected from the upgradient well MW-1. VC concentrations in groundwater have decreased from 20 ug/L to 7.4 ug/L in well MW-1. Generally, chlorinated solvent concentrations in downgradient groundwater have remained fairly constant. PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected in groundwater collected from wells MW-2 and MW-3. Chlorinated solvent concentrations in groundwater collected from well MW-4 have remained relatively stable.

4.2 Recommendations

In accordance with the DTSC's request, one additional quarterly groundwater sampling event should be conducted to further analyze the contaminant trends.

5. CLOSURE

We trust that this report satisfies your current requirements and provides suitable documentation for your records. If you have any questions or require further details, please contact the undersigned at any time.

Respectfully Submitted:
WorleyParsons Komex

Lindsay Masters
Staff Geologist

Senior Review by

Lee Paprocki, PG
Project Manager

6. REFERENCES

DWR, 1961. Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. Bulletin No. 104. Appendix A Ground Water Geology. State of California Department of Water Resources Southern District. Dated June 1961.

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Table 1

Monitoring Well Construction Details

Associated Plating Company

Well ID	Drilling Method	Installation Date	Well Casing Diameter (inches)	Latitude	Longitude	Wellhead Elevation (feet amsl)	Top of Casing Elevation (ft amsl)	Well Depth (feet bgs)	Well Depth (feet amsl)	Screen Slot Size (inches)	Screened Interval (feet bgs)	Screened Interval (feet amsl)
MW-1	HSA	4/5/2006	2	33.9527753	-118.0593	147.36	146.93	43.0	103.9	0.01	33 to 43	114.35 to 104.35
MW-2	HSA	4/5/2006	2	33.9524570	-118.0592	149.81	149.41	47.0	102.4	0.01	37 to 47	112.79 to 102.79
MW-3	HSA	4/6/2006	2	33.9523123	-118.0593	151.06	150.67	47.0	103.7	0.01	37 to 47	114.04 to 104.04
MW-4	HSA	4/6/2006	2	33.9522795	-118.0595	151.13	150.77	47.0	104.1	0.01	37 to 47	114.13 to 104.13

Notes:

1) amsl = above mean sea level

2) bgs = below ground surface

3) HSA = hollow stem auger

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Table 2

Groundwater Elevations
Associated Plating Company

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet btoc)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-1	146.93	04/12/06	34.33	Sheen	112.60
		08/31/06	33.03	Sheen	113.90
		11/13/06	33.55	Sheen	113.38
		02/14/07	33.80	Sheen	113.13
MW-2	149.41	04/12/06	36.87	0.00	112.54
		08/31/06	35.62	Sheen	113.79
		11/13/06	36.05	Sheen	113.36
		02/14/07	36.29	Sheen	113.12
MW-3	150.67	04/12/06	38.20	Sheen	112.47
		08/31/06	36.89	0.00	113.78
		11/13/06	37.38	0.01	113.30
		02/14/07	37.62	Sheen	113.05
MW-4	150.77	04/12/06	38.36	Sheen	112.41
		08/31/06	37.04	Sheen	113.73
		11/13/06	37.54	Sheen	113.23
		02/14/07	37.79	Sheen	112.98

Notes:

1) bgs = Below ground surface

2) amsl = above mean sea level

3) btoc = below top of casing

4) Groundwater elevations are corrected for the presence of measurable free product using a specific gravity of 0.88

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Table 3

TPH Carbon Range Groundwater Results

Associated Plating Company

Analyte	Units	MW-1 4/12/06	MW-1 8/31/06	MW-1 11/13/06	MW-1 2/14/07	MW-2 4/12/06	MW-2 8/31/06	MW-2 11/13/06	MW-2 2/14/07	MW-3 4/12/06	MW-3 8/31/06	MW-3 11/13/06	MW-3 2/14/07	MW-4 4/12/06	MW-4 8/31/06	MW-4 11/13/06	MW-4 2/14/07
<C8	mg/L	<0.10	<0.10	<0.010	<0.20	<1.0	**0.11**	**0.014**	<0.20	<1.0	**0.051**	**0.033**	<0.20	<1.0	**0.084**	**0.060**	<0.20
C8-C9	mg/L	<0.10	<0.10	<0.010	<0.20	<1.0	**0.040**	<0.010	<0.20	<1.0	**0.014**	<0.010	<0.20	<1.0	**0.031**	**0.010**	<0.20
C9-C10	mg/L	<0.10	<0.10	**0.010**	<0.20	**1.1**	**0.073**	<0.010	<0.20	<1.0	**0.030**	**0.018**	<0.20	<1.0	**0.056**	**0.040**	<0.20
C10-C11	mg/L	**0.33**	**0.13**	**0.029**	<0.20	**2.0**	**0.16**	**0.015**	<0.20	<1.0	**0.076**	**0.089**	**0.82**	<1.0	**0.13**	**0.13**	<0.20
C11-C12	mg/L	**0.66**	**0.20**	**0.047**	**1.3**	**2.8**	**0.14**	**0.028**	**0.98**	<1.0	**0.087**	**0.091**	**1.2**	<1.0	**0.17**	**0.12**	**1.2**
C12-C14	mg/L	**5.1**	**1.2**	**0.28**	**1.2**	**5.9**	**0.70**	**0.17**	**1.4**	<1.0	**0.26**	**0.44**	**3.1**	**1.8**	**0.40**	**0.68**	**1.4**
C14-C16	mg/L	**6.7**	**1.6**	**0.42**	**1.7**	**5.8**	**0.76**	**0.16**	**1.5**	**1.5**	**0.34**	**0.43**	**2.5**	**5.4**	**0.56**	**0.46**	**1.4**
C16-C18	mg/L	**6.8**	**1.6**	**0.50**	**0.70**	**5.0**	**0.63**	**0.14**	**0.72**	<1.0	**0.24**	**0.37**	**1.9**	**4.4**	**0.39**	**0.42**	**1.2**
C18-C20	mg/L	**4.1**	**0.94**	**0.29**	**1.1**	**3.6**	**0.54**	**0.18**	**1.1**	**1.1**	**0.19**	**0.27**	**1.6**	**4.0**	**0.27**	**0.27**	**0.60**
C20-C24	mg/L	**12**	**2.4**	**0.71**	**1.8**	**7.0**	**1.1**	**0.083**	**1.3**	<1.0	**0.29**	**0.34**	**2.9**	**5.2**	**0.48**	**0.48**	**1.6**
C24-C28	mg/L	**16**	**4.2**	**0.84**	**2.0**	**7.1**	**1.3**	**0.074**	**1.7**	**2.6**	**0.31**	**0.32**	**3.1**	**9.6**	**0.57**	**0.43**	**1.5**
C28-C32	mg/L	**12**	**3.9**	**0.62**	**2.9**	**10**	**1.1**	**0.16**	**2.6**	**35**	**0.23**	**0.27**	**4.0**	**27**	**0.46**	**0.30**	**2.4**
>C32	mg/L	**0.65**	**0.28**	**0.037**	**0.94**	**3.5**	**0.046**	**0.010**	**0.84**	**4.3**	**0.015**	**0.017**	**1.4**	**2.6**	**0.030**	**0.019**	**1.1**
Total C7-C36	mg/L	**65**	**16**	**3.8**	**14**	**54**	**6.7**	**1.0**	**12**	**46**	**2.1**	**2.7**	**23**	**60**	**3.6**	**3.4**	**12**

Notes:

1) TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B

2) mg/L = milligrams per liter

3) <0.10 = compound not detected at or above the indicated laboratory reporting limit

4) Bold type indicates compound was detected.

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Table 4
VOC Groundwater Results
Associated Plating Company

Analyte	Units	Location	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4
		Date	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07
1,1,1,2-Tetrachloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
1,1,2-Trichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropylene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	23.	3.4	1.4	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-Chloropropane (DBCP)	ug/L		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Phenylbutane	ug/L		<1.0	<1.0	<1.0	<1.0	16	12	8.9	11	16	11	8.1	14	16	13	9.0	16
4-Chlorotoluene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	ug/L		1.3	<1.0	<1.0	<1.0	2.3	3.1	2.8	3.0	2.0	3.7	3.4	2.9	3.6	7.6	6.4	6.9
Bromobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Butylbenzene,n-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
CFC-12	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Chlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Chloroform	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene (cis 1,2-DCE)	ug/L		5.5	8.4	8.3	15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.1
cis-1,3-Dichloropropene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cymene	ug/L		3.2	1.8	2.0	2.4	4.1	3.2	2.9	3.4	1.4	<1.0	<1.0	<1.0	4.1	<1.0	2.6	4.3
Dibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diisopropyl Ether (DIPE)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--

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Table 4
VOC Groundwater Results
Associated Plating Company

Analyte	Units	Location	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4
		Date	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07
Ethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**	**3.1**	**1.1**	**1.0**	**1.5**	<1.0	<1.0	<1.0
Ethyl-tert-butyl Ether (ETBE)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--
Hexachloro-1,3-Butadiene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/L		**1.9**	<1.0	<1.0	<1.0	**75**	**57**	**44**	**50**	**83**	**74**	**50**	**76**	**86**	**87**	**59**	**81**
Methylene Chloride	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-Butyl Ether (MTBE)	ug/L		**8.9**	**2.0**	**1.0**	<1.0	**3.5**	**3.0**	**2.4**	**1.9**	**1.9**	**2.2**	**1.8**	**1.4**	**3.0**	**2.8**	**2.2**	**1.3**
Naphthalene	ug/L		**1.6**	<1.0	<1.0	<1.0	**16**	**12**	**4.6**	**1.9**	**46**	**8.7**	**2.6**	**2.1**	**4.5**	**1.9**	<1.0	<1.0
Propylbenzene,n-	ug/L		<1.0	<1.0	<1.0	<1.0	**9.4**	**3.5**	**3.1**	**3.6**	**22**	**5.3**	**4.8**	**6.0**	**10**	**8.9**	**7.0**	**6.1**
Styrene (Monomer)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-amyl-methyl Ether (TAME)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--
tert-butyl Alcohol (TBA)	ug/L		--	<5.0	--	--	--	<5.0	--	--	--	<5.0	--	--	--	<5.0	--	--
tert-Butylbenzene	ug/L		**1.6**	<1.0	<1.0	<1.0	**1.9**	**1.7**	**1.4**	**1.6**	<1.0	**3.4**	**1.2**	**1.8**	<1.0	**1.4**	**1.2**	**2.1**
Tetrachloroethene (PCE)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.7**	**1.2**	**3.6**	**5.8**
Toluene	ug/L		<1.0	<1.0	**15**	<1.0	<1.0	<1.0	**10**	<1.0	<1.0	**1.6**	**8.5**	<1.0	<1.0	<1.0	**6.6**	<1.0
trans-1,2-Dichloroethene	ug/L		**5.2**	**3.6**	**4.0**	**9.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tribromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene (TCE)	ug/L		**1.3**	**21**	**28**	**55**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**
Vinyl Chloride (VC)	ug/L		**20**	**9.9**	**6.6**	**7.4**	**50**	**47**	**21**	**29**	**53**	**58**	**34**	**44**	**57**	**54**	**36**	**34**
Xylene, O-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylene, P-, M-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**28**	**3.1**	**1.6**	**1.4**	<1.0	<1.0	<1.0	<1.0

Notes:

1) VOC = volatile organic compounds analyzed using EPA Method 8260B

2) ug/L = micrograms per liter

3) <1.0 = compound not detected at or above the indicated laboratory reporting limit

4) -- = not analyzed

5) Bold type indicates compound was detected.

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Table 5

Field Quality Assurance/Quality Control Sample Results
Associated Plating Company

		Sample Type	Equipment Blank				Field Blank				Trip Blank			
		Sample Date	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07
Analyte	Units	Sample ID	EB-41206	EB083106	EB-111306	EB-021407	FB-41206	FB083106	FB-111306	FB-021407	TB-41206	TB083106	TB-111306	TB-21407
SW8015-g														
Phc As Gasoline	ug/L		--	--	--	--	--	--	--	--	--	--	--	--
TPH - Carbon Range														
<C8	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C8-C9	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C9-C10	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C10-C11	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C11-C12	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C12-C14	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C14-C16	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
C16-C18	mg/L		<0.010	<0.010	**0.038**	--	<0.010	<0.010	<0.010	--	--	--	--	--
C18-C20	mg/L		<0.010	<0.010	**0.048**	--	<0.010	<0.010	<0.010	--	--	--	--	--
C20-C24	mg/L		<0.010	<0.010	**0.089**	--	<0.010	<0.010	<0.010	--	--	--	--	--
C24-C28	mg/L		<0.010	<0.010	**0.064**	--	<0.010	<0.010	<0.010	--	--	--	--	--
C28-C32	mg/L		<0.010	<0.010	**0.080**	--	<0.010	<0.010	<0.010	--	--	--	--	--
>C32	mg/L		<0.010	<0.010	<0.010	--	<0.010	<0.010	<0.010	--	--	--	--	--
Total C7-C36	mg/L		<0.050	<0.050	**0.32**	--	<0.050	<0.050	<0.050	--	--	--	--	--
VOCs														
1,1,1,2-Tetrachloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropylene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-Chloropropane (DBCP)	ug/L		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Phenylbutane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0

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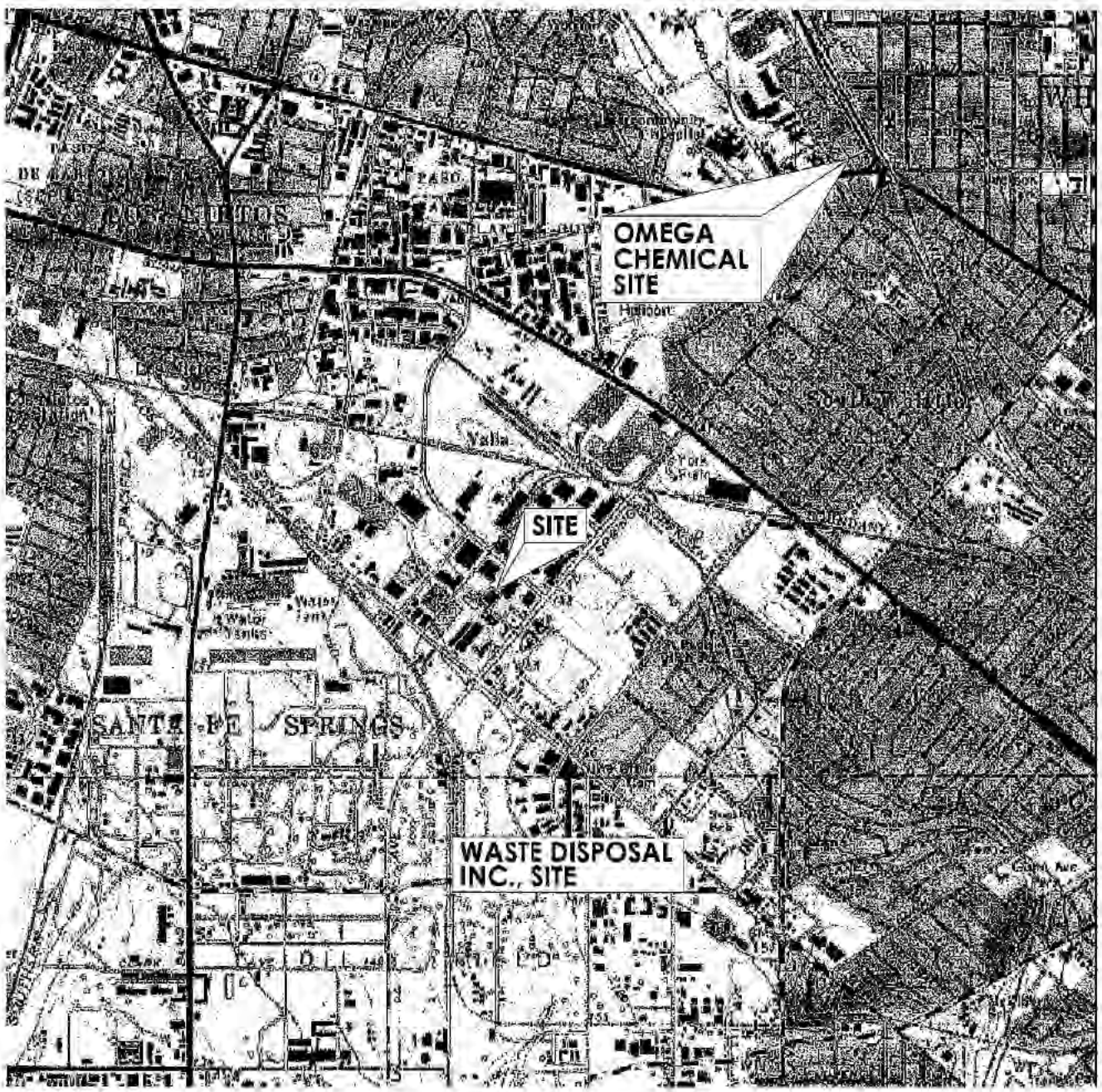
Table 5

Field Quality Assurance/Quality Control Sample Results
Associated Plating Company

		Sample Type	Equipment Blank				Field Blank				Trip Blank			
		Sample Date	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07	4/12/06	8/31/06	11/13/06	2/14/07
Analyte	Units	Sample ID	EB-41206	EB083106	EB-111306	EB-021407	FB-41206	FB083106	FB-111306	FB-021407	TB-41206	TB083106	TB-111306	TB-21407
Butylbenzene,n-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
CFC-12	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Chlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Chloroform	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene (cis 1,2-DCE)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cymene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diisopropyl Ether (DIPE)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--
Ethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl-tert-butyl Ether (ETBE)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--
Hexachloro-1,3-Butadiene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/L		<1.0	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-Butyl Ether (MTBE)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Propylbenzene,n-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene (Monomer)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-amyl-methyl Ether (TAME)	ug/L		--	<1.0	--	--	--	<1.0	--	--	--	<1.0	--	--
tert-butyl Alcohol (TBA)	ug/L		--	<5.0	--	--	--	<5.0	--	--	--	<5.0	--	--
tert-Butylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene (PCE)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	ug/L		<1.0	<1.0	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tribromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene (TCE)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride (VC)	ug/L		<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Xylene, O-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylene, P-, M-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

1) TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B
2) VOCs = volatile organic compounds analyzed using EPA Method 8260B
3) mg/L = milligrams per liter
4) ug/L = micrograms per liter
5) <1.0 = compound not detected at or above the indicated laboratory reporting limit
6) Bold type indicates compound was detected.
7) -- = not analyzed



Source: United States Geological Survey, "South Whittier," 7.5 Minute Quadrangle, 1998

0 2,000

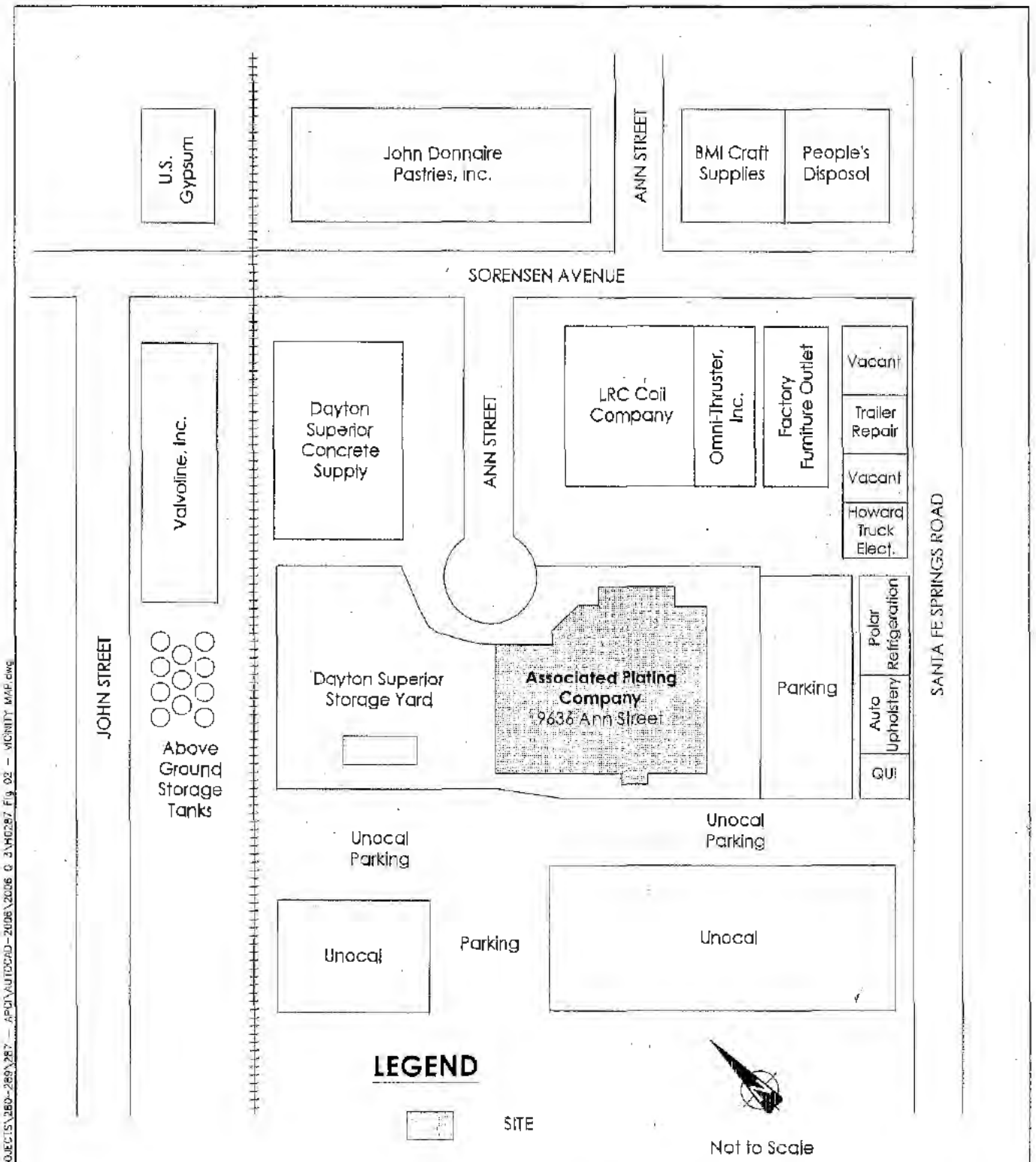
Approximate Scale in Feet

ASSOCIATED PLATING COMPANY
9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

WorleyParsons Komex
resources & energy

SITE LOCATION MAP

DRAWN BY	EDITED BY	DATE
JH	JH	10/2006
APPROVED LP		1



ASSOCIATED PLATING COMPANY
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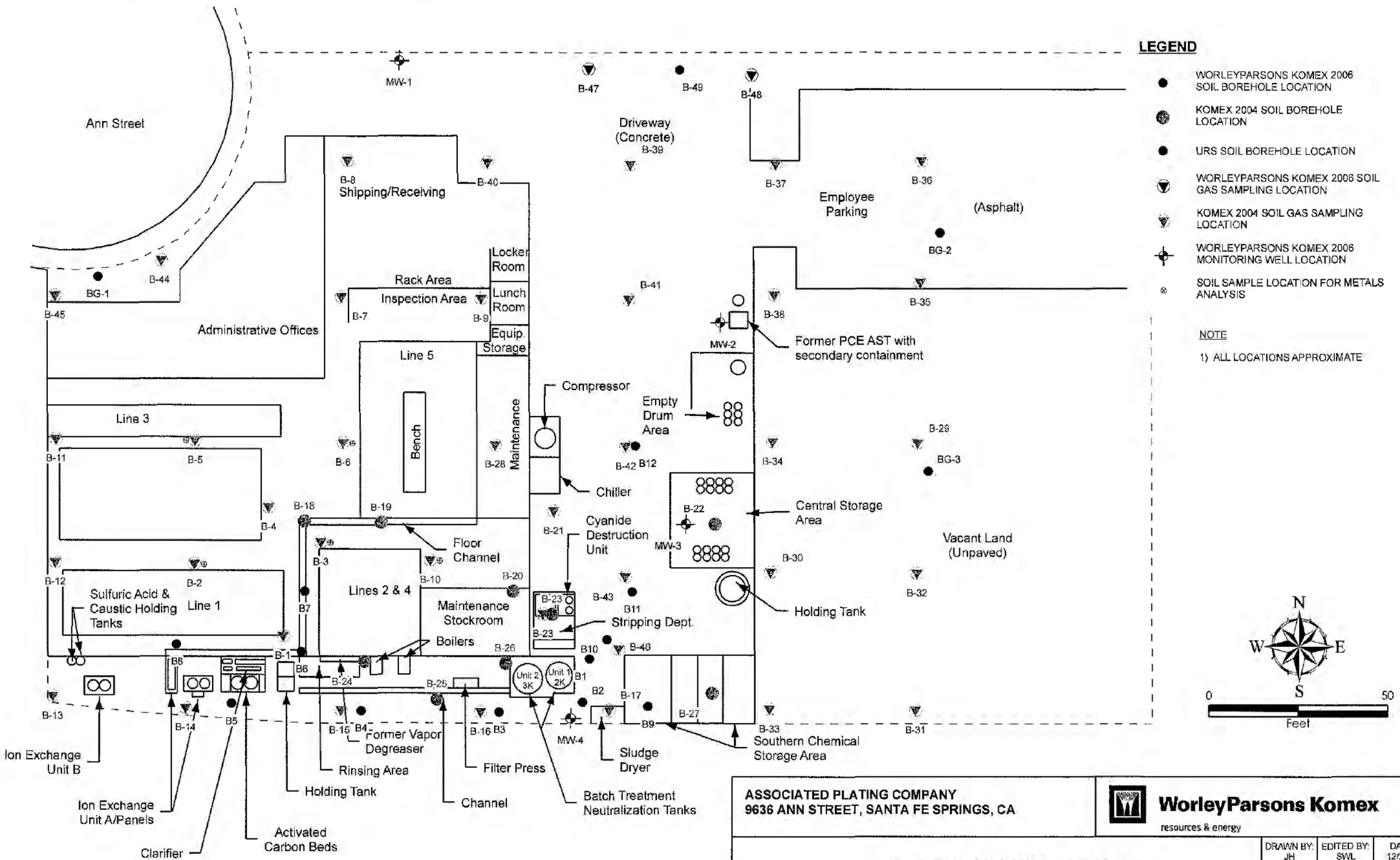
DRAWN BY:	EDITED BY:	DATE:
JH	JH	10/2006
APPROVED: LP		2

SITE VICINITY MAP

Date: 10/11/2006 Filename: X:\H2O PROJECTS\280-289\287 — APCI\AUTOCAD-2006\2006 Q 3\H0287 Fig 02 — VICINITY MAP.dwg



ASSOCIATED PLATING COMPANY
9636 ANN STREET, SANTA FE SPRINGS, CA

WorleyParsons Komex
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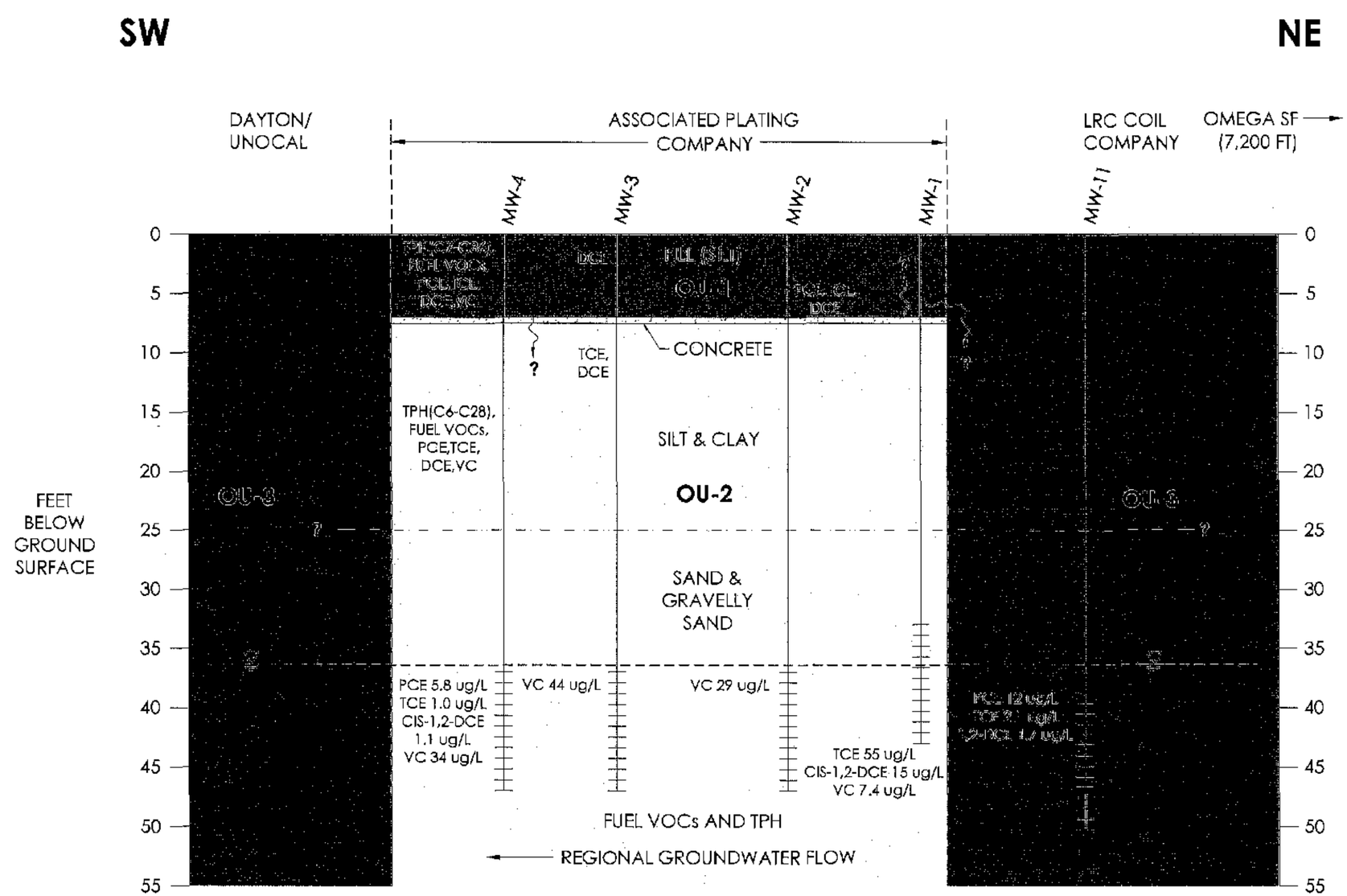
SITE PLAN SHOWING BOREHOLE AND MONITORING WELL LOCATIONS

DRAWN BY: JH	EDITED BY: SWL	DATE: 12/2006
APPROVED: LP	3	



LEGEND

- OU-1 (OPERABLE UNIT 1)
- OU-2 (OPERABLE UNIT 2)
- OU-3 (OPERABLE UNIT 3)
- POTENTIAL MIGRATION PATHWAYS
- WATER TABLE SURFACE
- LITHOLOGIC CONTACT
- GROUNDWATER MONITORING WELL SCREENED INTERVAL

NOTES
1) ALL LOCATIONS ARE APPROXIMATE
2) TPH = TOTAL PETROLEUM HYDROCARBONS
3) VOCs = VOLATILE ORGANIC COMPOUNDS
4) PCE = TETRACHLOROETHENE
5) TCE = TRICHLOROETHENE
6) DCE = DICHLOROETHENE
7) 1,2-DCE = 1,2-DICHLOROETHENE
8) VC = VINYL CHLORIDE
9) ND = COMPOUND NOT DETECTED
10) FT BGS = FEET BELOW GROUND SURFACE
11) ug/L = MICROGRAMS PER LITER

ASSOCIATED PLATING COMPANY
9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

WorleyParsons Komex
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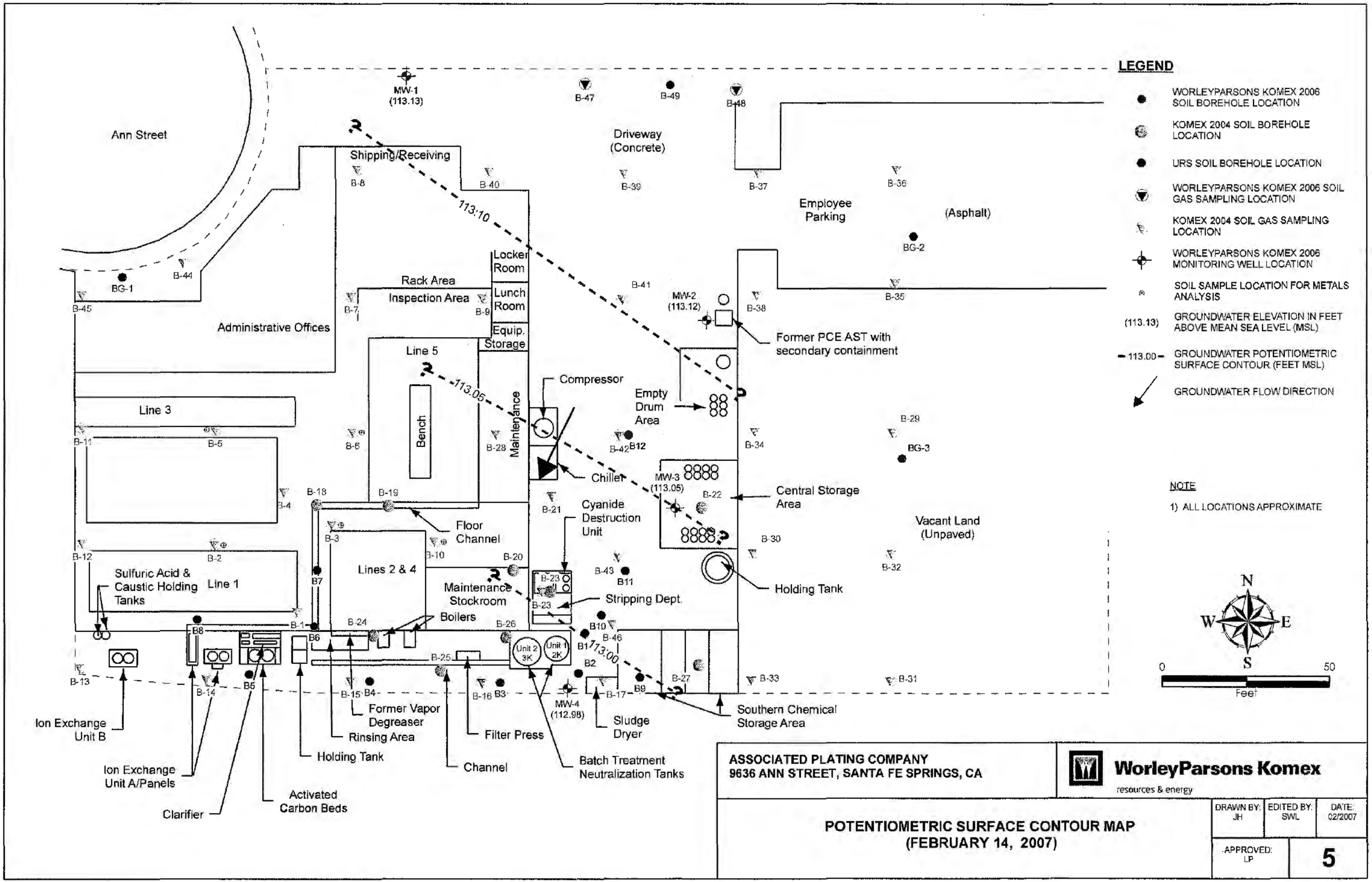
SITE CONCEPTUAL MODEL AND PROPOSED OPERABLE UNITS

DRAWN BY:	EDITED BY:	DATE:
JH	JH	3/2007
APPROVED: LP		4

Date: 03/12/2007 Filename: X:\H2O PROJECTS\280-289\287 - APC\AUTOCAD-2007\2007 G 1\H0287 Fig 04 - SCM.dwg



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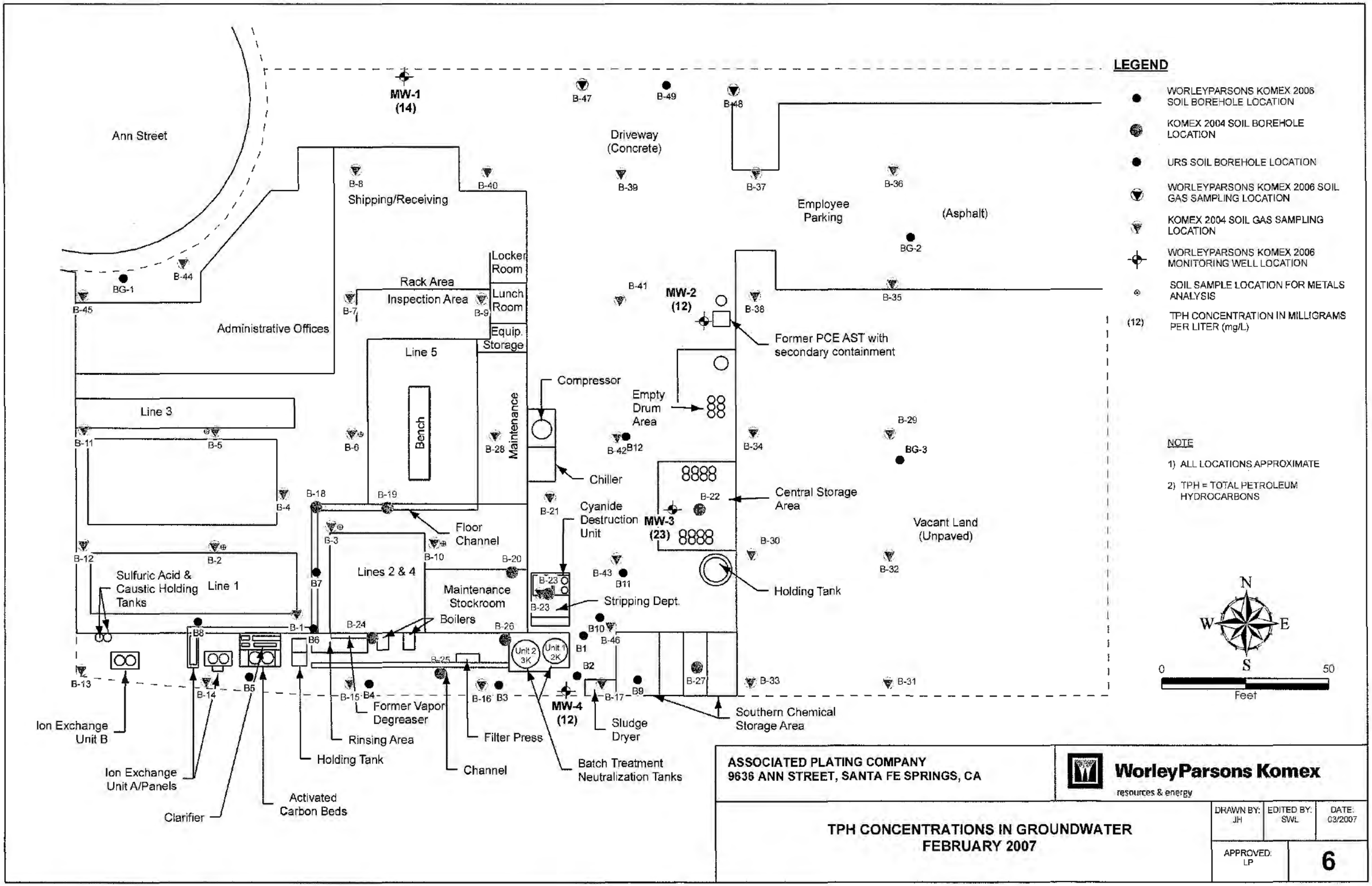
POTENTIOMETRIC SURFACE CONTOUR MAP
(FEBRUARY 14, 2007)

DRAWN BY: JH	EDITED BY: SWL	DATE: 02/2007
APPROVED: LP		5



ASSOCIATED PLATING COMPANY
9636 ANN STREET, SANTA FE SPRINGS, CA

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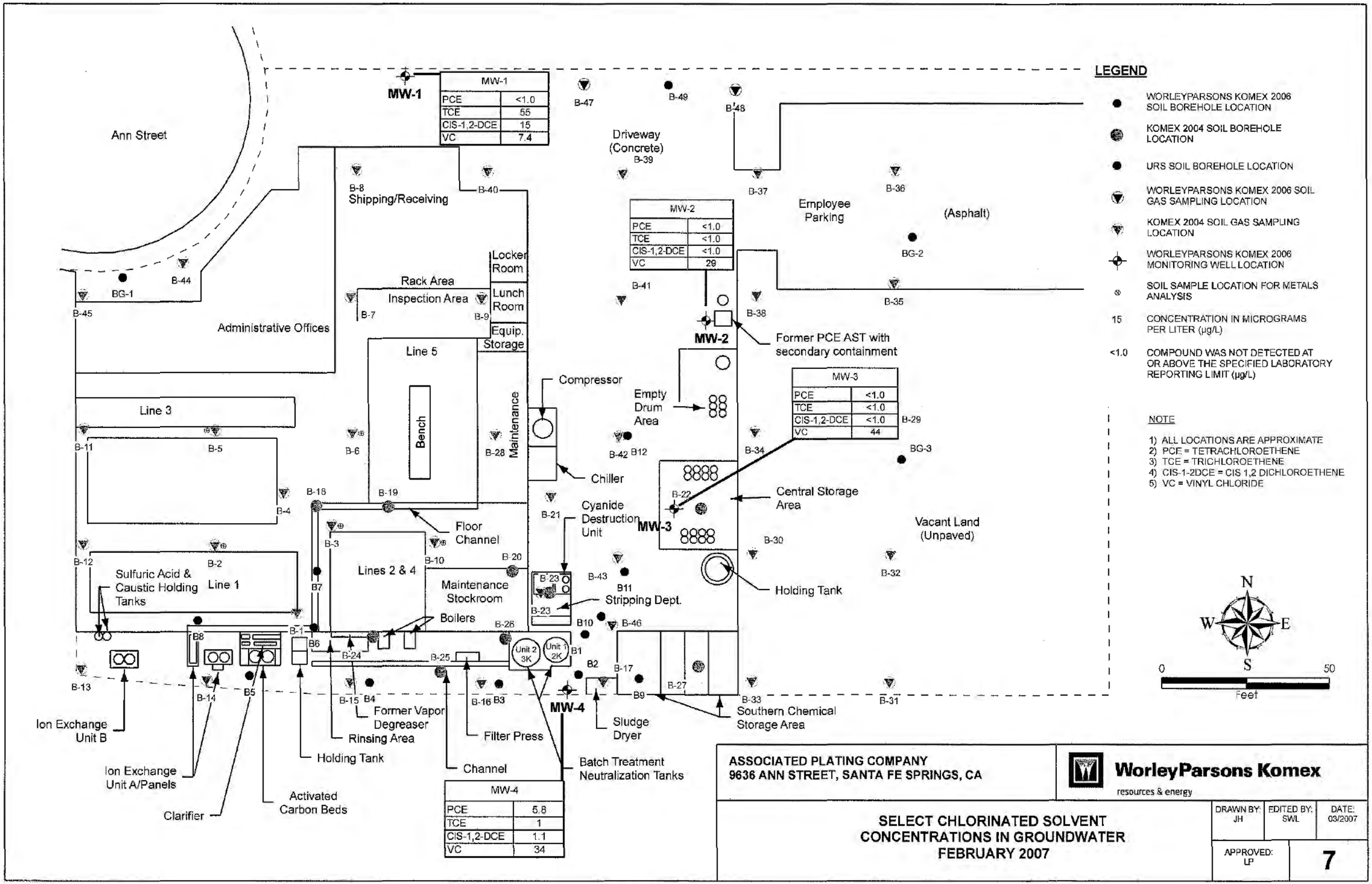
TPH CONCENTRATIONS IN GROUNDWATER
FEBRUARY 2007

DRAWN BY: JH	EDITED BY: SWL	DATE: 03/2007
APPROVED: LP		6


Ann Street
MW-1
MW-1
PCE <1.0
TCE 55
CIS-1,2-DCE 15
VC 7.4
B-47
B-49
B-48
Driveway (Concrete)
B-39
B-8
Shipping/Receiving
B-40
B-37
B-36
Employee Parking
(Asphalt)
BG-2
MW-2
PCE <1.0
TCE <1.0
CIS-1,2-DCE <1.0
VC 29
B-41
B-35
B-38
BG-1
B-44
B-45
Rack Area
Inspection Area
B-7
B-9
Locker Room
Lunch Room
Equip. Storage
Administrative Offices
Line 5
Bench
Maintenance
MW-2
Former PCE AST with secondary containment
Compressor
Empty Drum Area
MW-3
PCE <1.0
TCE <1.0
CIS-1,2-DCE <1.0
VC 44
B-29
B-34
BG-3
Line 3
B-11
B-5
B-6
B-28
B-42
B12
Chiller
B-4
B-18
B-19
B-22
Central Storage Area
B-21
Cyanide Destruction Unit
MW-3
Vacant Land (Unpaved)
Floor Channel
B-3
B-30
B-12
B-2
B-10
B-20
B-32
Sulfuric Acid & Caustic Holding Tanks
Line 1
Lines 2 & 4
B7
Maintenance Stockroom
B-23
B-43
B11
Stripping Dept.
Holding Tank
Boilers
B-26
B10
B-46
B8
B-1
B6
B-24
B-25
Unit 2 3K
Unit 1 2K
B1
B2
B-17
B-13
B-14
B5
B-15
B4
B-16
B3
MW-4
B9
B-27
B-33
B-31
Former Vapor Degreaser
Rinsing Area
Filter Press
Sludge Dryer
Southern Chemical Storage Area
Ion Exchange Unit B
Holding Tank
Channel
Batch Treatment Neutralization Tanks
Ion Exchange Unit A/Panels
Activated Carbon Beds
Clarifier
MW-4
PCE 5.8
TCE 1
CIS-1,2-DCE 1.1
VC 34
LEGEND
WORLEYPARSONS KOMEX 2006 SOIL BOREHOLE LOCATION
KOMEX 2004 SOIL BOREHOLE LOCATION
URS SOIL BOREHOLE LOCATION
WORLEYPARSONS KOMEX 2006 SOIL GAS SAMPLING LOCATION
KOMEX 2004 SOIL GAS SAMPLING LOCATION
WORLEYPARSONS KOMEX 2006 MONITORING WELL LOCATION
SOIL SAMPLE LOCATION FOR METALS ANALYSIS
15 CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
<1.0 COMPOUND WAS NOT DETECTED AT OR ABOVE THE SPECIFIED LABORATORY REPORTING LIMIT (µg/L)
NOTE
1) ALL LOCATIONS ARE APPROXIMATE
2) PCE = TETRACHLOROETHENE
3) TCE = TRICHLOROETHENE
4) CIS-1-2DCE = CIS 1,2 DICHLOROETHENE
5) VC = VINYL CHLORIDE
N
W
E
S
0
50
Feet
ASSOCIATED PLATING COMPANY
9636 ANN STREET, SANTA FE SPRINGS, CA
WorleyParsons Komex
resources & energy
SELECT CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER FEBRUARY 2007
DRAWN BY: JH
EDITED BY: SWL
DATE: 03/2007
APPROVED: LP
7

Appendix A Monitoring Well Sampling Forms

WorleyParsons Komex
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FLUID LEVEL MEASUREMENTS

STAFF: L. Paprocki, G Davis
DATE: 2/14/07
LOCATION: APC, 9636 Ann St, Santa Fe Springs
DAY: S S M T (W) T F
SITE CONDITONS / WEATHER: Sunny
PROJECT NAME: APC ~~[illegible]~~
OTHER:
PROJECT / TASK NUMBER: H0287D02.0
DATUM: (ie. Feet MSL, benchmark etc.): Feet MSL
Instrument: Solinst

Time	Well No.	Measuring Pt. Elev. [1] Feet ___	Depth Measurements To Product (Feet below measuring point)	To Water	To Bottom	Product Thickness Feet	Water Elevation [1] Feet ___	Comments Conditions of well box, water in box, lack of measuring point, etc.
8:25	MW-1		Sheen	33.50		Sheen		good
8:33	MW-2		Sheen	36.29		Sheen		good
8:50	MW-3		Sheen	37.62		Sheen		good
8:53	MW-4		Sheen	37.79		Sheen		good

REQUIRED ACTIONS:

PREPARED BY: L Paprocki
REVIEWED BY:
DISTRIBUTED TO:

* Indicate if Elevations are relative to MSL or other datum (ie. Feet MSL)

draft excel forms / Fluid levels

WorleyParsons Komex
resources & energy
5455 GARDEN GROVE BLVD., SECOND FLOOR
WESTMINSTER, CA 92683-8201, USA
TEL.: 714.379.1157 FAX.: 714.379.1160

MONITORING WELL SAMPLING FORM

Project Name: APC	Date: 2/14/07
Project No.: H02s7D020	Time: 9:00
Employee Name: LP & GD	Page 1 of 1

WELL CONSTRUCTION DETAILS		WELL NO: MW-1
DATES	Casing Type: PVC	Screen Type: PVC
Constructed:	Diameter: 2"	Diamter: 2"
Developed:	Length:	Length:
Last Sampled:	T.D.: 43	Slot Size:

LOCATION SKETCH:

See site map

WELL CONDITION: good		Water Depth: 33.80
G.S. Elev.:	Water Depth: 33.80	F.P. Thickness: Sheen
T.C. Elev.:	Water Column: 9.2	Water Odor:
W.L. Elev:	Casing Volume: 1.47	Turbidity:
Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft		

Well Purging Method: monsoon pump Purge Vol.: 4.4

WELL PURGING AND RECOVERY ANALYSIS:

Time	W.L.	Purge Rate	Vol.	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	Sample No.	REMARKS
9:11			0.1	18	6.35	2.14	276				slight sediment
9:13			1gal	19.2	6.37	2.17	142				clearer
9:14		~1gpm	2gal	20.1	6.41	2.17	120				
9:15			3gal	21.5	6.43	2.17	67				
9:16			3.5	21.3	6.44	2.16	38				
9:17			4.5	22.1	6.44	2.15	25				
9:20	33.82										

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW1-21407	9:25	disp. bailer	vous + liter	8260 + TPH carbon range
EB-021407	9:35	off of pump	vous + 1 liter	" "
FB-021407	9:40	—	" "	" "

ADDITIONAL INFORMATION:

80% = 35.64 water level recovery

9:40

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5455 GARDEN GROVE BLVD., SECOND FLOOR
WESTMINSTER, CA 92683-8201, USA
TEL.: 714.379.1157 FAX.: 714.379.1160

MONITORING WELL SAMPLING FORM

Project Name:	Lee Paprocki	Date:	2/14/07
Project No.:	H0287D020	Time:	9:50
Employee Name:	LP + GD	Page	1 of 1

WELL CONSTRUCTION DETAILS		WELL NO: MW-2	
DATES	Casing Type: PVC	Screen Type: PVC	
Constructed:	Diameter: 2"	Diamter: 2"	
Developed:	Length:	Length:	
Last Sampled:	T.D.: 47	Slot Size:	

LOCATION SKETCH:

See site map

WELL CONDITION:		Water Depth: 36.29	
G.S. Elev.:	Water Depth: 36.29	F.P. Thickness:	
T.C. Elev.:	Water Column: 10.71	Water Odor:	
W.L. Elev:	Casing Volume: 1.7	Turbidity:	

Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft

Well Purging Method: monsoon Purge Vol.: 5.1

WELL PURGING AND RECOVERY ANALYSIS: oC mS/cm ntu

Time	W.L.	Purge Rate	Vol. gal	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	Sample No.	REMARKS
9:55			0.1	17.2	6.77	1.67	188				
9:57			1	21.4	6.74	1.69	39				clear
9:59			2	21.7	6.70	1.92	17				"
10:00		~1 gpm	3	21.4	6.69	1.90	7				"
10:01		"	4	21.7	6.67	1.92	4				"
10:02			5	21.7	6.69	1.92	3				
~~10:05~~											
10:05	36.31										

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW2-21407	10:07	disp. bailer	voa + 1 Liter	8260 + TPH carbon range

ADDITIONAL INFORMATION:

80% = 38.43 water level recovery

WorleyParsons Komex
resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR
WESTMINSTER, CA 92683-8201, USA
TEL.: 714.379.1157 FAX.: 714.379.1160

MONITORING WELL SAMPLING FORM

Project Name:	APC	Date:	2/14/07
Project No.:	H0287D020	Time:	10:30
Employee Name:	LP + GP	Page	1 of 1

WELL CONSTRUCTION DETAILS		WELL NO: MW-3	
DATES	Casing Type: PVC	Screen Type: PVC	
Constructed:	Diameter: 2"	Diamter: 2"	
Developed:	Length:	Length:	
Last Sampled:	T.D.: 47	Slot Size:	

LOCATION SKETCH:

See site map

WELL CONDITION: Good		Water Depth: 37.62	
G.S. Elev.:	Water Depth: 37.62	F.P. Thickness: Sheen	
T.C. Elev.:	Water Column: 9.38	Water Odor:	
W.L. Elev.:	Casing Volume: 1.5	Turbidity:	
Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft			

Well Purging Method: monsoon Purge Vol.: 4.5

WELL PURGING AND RECOVERY ANALYSIS: OC · MSKCMTH

Time	W.L.	Purge Rate	Vol.	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	Sample No.	REMARKS
★ 10:30			0.1	21.6	6.77	1.32	715				
10:35		~1gpm	1.5	22.0	6.62	1.89	999				sediment
10:34			2.41	21.2	6.60	1.87	999				
10:39			3.41	21.9	6.61	1.95	620				
10:40			3.5	22.41	6.61	1.98	341				
10:41			4.5	21.4	~~6.63~~ 6.62	1.99	143				
10:45	37.62										

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW3-2/14/07	10:50	disp. bailer	VOA & Liter amber	8260 + TPH carbon range

ADDITIONAL INFORMATION:

★ battery died, switched to another battery

~~35.74~~ 39.50 = 80% recovery

WorleyParsons Komex
resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR
WESTMINSTER, CA 92683-8201, USA
TEL.: 714.379.1157 FAX.: 714.379.1160

MONITORING WELL SAMPLING FORM

Project Name: APC	Date: 2/14/07
Project No.: H0287 D020	Time: 11:00
Employee Name: LP + GD	Page 1 of 1

WELL CONSTRUCTION DETAILS		WELL NO: MW-4	
DATES	Casing Type: PVC	Screen Type: PVC	
Constructed:	Diameter: 2"	Diameter: 2"	
Developed:	Length:	Length:	
Last Sampled:	T.D.: 47	Slot Size:	

LOCATION SKETCH:

See site map

WELL CONDITION: good Water Depth: 37.79		
G.S. Elev.:	Water Depth: 37.79	F.P. Thickness:
T.C. Elev.:	Water Column: 9.21	Water Odor:
W.L. Elev.:	Casing Volume: 1.47	Turbidity:
Note: 2" = 0.16 g/ft; 4" = 0.65 g/ft; and 6" = 1.5 g/ft		

Well Purging Method: Monsoon pump Purge Vol.: 4.4

WELL PURGING AND RECOVERY ANALYSIS: DC mS/cm NTU

Time	W.L.	Purge Rate	Vol. gal	Temp.	pH	Conduct.	Turbid.	D.O.	ORP	Sample No.	REMARKS
11:10			0.1	18.8	6.82	1.78	336				
11:12		~1 gal	1	20.4	6.75	1.81	999				sediment
11:13			2	21.6	6.72	1.80	999				"
11:14			3	20.4	6.74	1.81	730				
11:15			3.8	21.7	6.66	1.83	386				
11:16			4.5	21.5	6.62	1.85	239				
11:17			5	22.1	6.63	1.86	275				
11:20	37.78										

SAMPLING INFORMATION:

Sample No.	Time	Sampling Method	Container	Analysis Required
MW4-21407	11:25	disp. bailer	voa + 1 liter amb	8260 + TPH carbon range

ADDITIONAL INFORMATION:

39.63 = 80% recovery water level

Appendix B Laboratory Analytical Report

Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1-21407	0702290-01	Liquid	02/14/07 09:25	02/15/07 10:55
EB-021407	0702290-02	Liquid	02/14/07 09:35	02/15/07 10:55
FB-021407	0702290-03	Liquid	02/14/07 09:40	02/15/07 10:55
MW2-21407	0702290-04	Liquid	02/14/07 10:07	02/15/07 10:55
MW3-21407	0702290-05	Liquid	02/14/07 10:50	02/15/07 10:55
MW4-21407	0702290-06	Liquid	02/14/07 11:25	02/15/07 10:55
TB-21407	0702290-07	Liquid	02/14/07 00:00	02/15/07 10:55

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653
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E-Mail: sierralabs @ sierralabs.net

Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1-21407 (0702290-01) Liquid Sampled: 02/14/07 09:25 Received: 02/15/07 10:55									
HC < C8	ND	0.20	mg/L	20	B7B2637	02/22/07	02/26/07	EPA 8015B	
C8 <= HC < C9	ND	0.20	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.20	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.20	"	"	"	"	"	"	
C11 <= HC < C12	**1.3**	0.20	"	"	"	"	"	"	
C12 <= HC < C14	**1.2**	0.20	"	"	"	"	"	"	
C14 <= HC < C16	**1.7**	0.20	"	"	"	"	"	"	
C16 <= HC < C18	**0.70**	0.20	"	"	"	"	"	"	
C18 <= HC < C20	**1.1**	0.20	"	"	"	"	"	"	
C20 <= HC < C24	**1.8**	0.20	"	"	"	"	"	"	
C24 <= HC < C28	**2.0**	0.20	"	"	"	"	"	"	
C28 <= HC < C32	**2.9**	0.20	"	"	"	"	"	"	
HC >= C32	**0.94**	0.20	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**14**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		%	*60-175*		"	"	"	"	*S-03*
MW2-21407 (0702290-04) Liquid Sampled: 02/14/07 10:07 Received: 02/15/07 10:55									
HC < C8	ND	0.20	mg/L	20	B7B2637	02/22/07	02/26/07	EPA 8015B	
C8 <= HC < C9	ND	0.20	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.20	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.20	"	"	"	"	"	"	
C11 <= HC < C12	**0.98**	0.20	"	"	"	"	"	"	
C12 <= HC < C14	**1.4**	0.20	"	"	"	"	"	"	
C14 <= HC < C16	**1.5**	0.20	"	"	"	"	"	"	
C16 <= HC < C18	**0.72**	0.20	"	"	"	"	"	"	
C18 <= HC < C20	**1.1**	0.20	"	"	"	"	"	"	
C20 <= HC < C24	**1.3**	0.20	"	"	"	"	"	"	
C24 <= HC < C28	**1.7**	0.20	"	"	"	"	"	"	
C28 <= HC < C32	**2.6**	0.20	"	"	"	"	"	"	
HC >= C32	**0.84**	0.20	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**12**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		%	*60-175*		"	"	"	"	*S-03*

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3-21407 (0702290-05) Liquid Sampled: 02/14/07 10:50 Received: 02/15/07 10:55									
HC < C8	ND	0.20	mg/L	20	B7B2637	02/22/07	02/26/07	EPA 8015B	
C8 <= HC < C9	ND	0.20	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.20	"	"	"	"	"	"	
C10 <= HC < C11	**0.82**	0.20	"	"	"	"	"	"	
C11 <= HC < C12	**1.2**	0.20	"	"	"	"	"	"	
C12 <= HC < C14	**3.1**	0.20	"	"	"	"	"	"	
C14 <= HC < C16	**2.5**	0.20	"	"	"	"	"	"	
C16 <= HC < C18	**1.9**	0.20	"	"	"	"	"	"	
C18 <= HC < C20	**1.6**	0.20	"	"	"	"	"	"	
C20 <= HC < C24	**2.9**	0.20	"	"	"	"	"	"	
C24 <= HC < C28	**3.1**	0.20	"	"	"	"	"	"	
C28 <= HC < C32	**4.0**	0.20	"	"	"	"	"	"	
HC >= C32	**1.4**	0.20	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**23**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
MW4-21407 (0702290-06) Liquid Sampled: 02/14/07 11:25 Received: 02/15/07 10:55									
HC < C8	ND	0.20	mg/L	20	B7B2637	02/22/07	02/26/07	EPA 8015B	
C8 <= HC < C9	ND	0.20	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.20	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.20	"	"	"	"	"	"	
C11 <= HC < C12	**1.2**	0.20	"	"	"	"	"	"	
C12 <= HC < C14	**1.4**	0.20	"	"	"	"	"	"	
C14 <= HC < C16	**1.4**	0.20	"	"	"	"	"	"	
C16 <= HC < C18	**1.2**	0.20	"	"	"	"	"	"	
C18 <= HC < C20	**0.60**	0.20	"	"	"	"	"	"	
C20 <= HC < C24	**1.6**	0.20	"	"	"	"	"	"	
C24 <= HC < C28	**1.5**	0.20	"	"	"	"	"	"	
C28 <= HC < C32	**2.4**	0.20	"	"	"	"	"	"	
HC >= C32	**1.1**	0.20	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**12**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1-21407 (0702290-01) Liquid Sampled: 02/14/07 09:25 Received: 02/15/07 10:55									
Benzene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**15**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**9.2**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**2.4**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1-21407 (0702290-01) Liquid Sampled: 02/14/07 09:25 Received: 02/15/07 10:55									
Naphthalene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**55**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**7.4**	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*86-115*		"	"	"	"	
EB-021407 (0702290-02) Liquid Sampled: 02/14/07 09:35 Received: 02/15/07 10:55									
Benzene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EB-021407 (0702290-02) Liquid Sampled: 02/14/07 09:35 Received: 02/15/07 10:55									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EB-021407 (0702290-02) Liquid Sampled: 02/14/07 09:35 Received: 02/15/07 10:55									
m,p-Xylene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*99.6 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*86-115*		"	"	"	"	
FB-021407 (0702290-03) Liquid Sampled: 02/14/07 09:40 Received: 02/15/07 10:55									
Benzene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-021407 (0702290-03) Liquid Sampled: 02/14/07 09:40 Received: 02/15/07 10:55									
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*86-115*		"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW2-21407 (0702290-04) Liquid Sampled: 02/14/07 10:07 Received: 02/15/07 10:55									
Benzene	**3.0**	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**11**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	**1.6**	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**50**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**3.4**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.9**	1.0	"	"	"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW2-21407 (0702290-04) Liquid Sampled: 02/14/07 10:07 Received: 02/15/07 10:55									
Naphthalene	**1.9**	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
n-Propylbenzene	**3.6**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**29**	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*86-115*		"	"	"	"	
MW3-21407 (0702290-05) Liquid Sampled: 02/14/07 10:50 Received: 02/15/07 10:55									
Benzene	**2.9**	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**14**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	**1.8**	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3-21407 (0702290-05) Liquid Sampled: 02/14/07 10:50 Received: 02/15/07 10:55									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.0**	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**76**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.4**	1.0	"	"	"	"	"	"	
Naphthalene	**2.1**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**6.0**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**44**	1.0	"	"	"	"	"	"	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3-21407 (0702290-05) Liquid Sampled: 02/14/07 10:50 Received: 02/15/07 10:55									
m,p-Xylene	1.4	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*97.2 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*86-115*		"	"	"	"	
MW4-21407 (0702290-06) Liquid Sampled: 02/14/07 11:25 Received: 02/15/07 10:55									
Benzene	**6.9**	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**16**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	**2.1**	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.1**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW4-21407 (0702290-06) Liquid Sampled: 02/14/07 11:25 Received: 02/15/07 10:55									
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**81**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**4.3**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.3**	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**6.1**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	**1.5**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**5.8**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**1.0**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**34**	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.0 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*98.4 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*86-115*		"	"	"	"	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-21407 (0702290-07) Liquid Sampled: 02/14/07 00:00 Received: 02/15/07 10:55									
Benzene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-21407 (0702290-07) Liquid Sampled: 02/14/07 00:00 Received: 02/15/07 10:55									
Naphthalene	ND	1.0	µg/L	1	B7B2112	02/21/07	02/22/07	EPA 8260B	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*94.2 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*86-115*		"	"	"	"	

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7B2637 - EPA 3510C Sep Funnel										
Blank (B7B2637-BLK1)				Prepared & Analyzed: 02/22/07						
HC < C8	ND	0.010	mg/L							
C8 <= HC < C9	ND	0.010	"							
C9 <= HC < C10	ND	0.010	"							
C10 <= HC < C11	ND	0.010	"							
C11 <= HC < C12	ND	0.010	"							
C12 <= HC < C14	ND	0.010	"							
C14 <= HC < C16	ND	0.010	"							
C16 <= HC < C18	ND	0.010	"							
C18 <= HC < C20	ND	0.010	"							
C20 <= HC < C24	ND	0.010	"							
C24 <= HC < C28	ND	0.010	"							
C28 <= HC < C32	ND	0.010	"							
HC >= C32	ND	0.010	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.147*		"	*0.100*		*147*	*60-175*			
LCS (B7B2637-BS1)				Prepared & Analyzed: 02/22/07						
Diesel Range Organics (C10-C24)	0.520	0.050	mg/L	0.500		104	80-120			
LCS (B7B2637-BS2)				Prepared & Analyzed: 02/22/07						
Diesel Range Organics (C10-C24)	0.511	0.050	mg/L	0.500		102	80-120			
LCS Dup (B7B2637-BSD1)				Prepared & Analyzed: 02/22/07						
Diesel Range Organics (C10-C24)	0.462	0.050	mg/L	0.500		92.4	80-120	11.8	30	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7B2112 - EPA 5030B P & T										
Blank (B7B2112-BLK1)				Prepared: 02/21/07 Analyzed: 02/22/07						
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Hexachlorobutadiene	ND	1.0	"							

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Worley Parsons Komex	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287D	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7B2112 - EPA 5030B P & T										
Blank (B7B2112-BLK1)				Prepared: 02/21/07 Analyzed: 02/22/07						
Isopropylbenzene	ND	1.0	µg/L							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*49.9*		"	*50.0*		*99.8*	*86-118*			
Surrogate: Toluene-d8	*48.6*		"	*50.0*		*97.2*	*88-110*			
Surrogate: 4-Bromofluorobenzene	*51.7*		"	*50.0*		*103*	*86-115*			
LCS (B7B2112-BS1)				Prepared: 02/21/07 Analyzed: 02/22/07						
Benzene	42.9	1.0	µg/L	50.0		85.8	80-120			
Chlorobenzene	52.2	1.0	"	50.0		104	80-120			
1,1-Dichloroethene	47.5	1.0	"	50.0		95.0	80-120			
Toluene	45.2	1.0	"	50.0		90.4	80-120			
Trichloroethene	45.0	1.0	"	50.0		90.0	80-120			

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7B2112 - EPA 5030B P & T										
Matrix Spike (B7B2112-MS1)		**Source: 0702290-07**		Prepared: 02/21/07 Analyzed: 02/22/07						
Benzene	34.3	1.0	µg/L	50.0	ND	68.6	37-151			
Chlorobenzene	46.1	1.0	"	50.0	ND	92.2	37-160			
1,1-Dichloroethene	37.0	1.0	"	50.0	ND	74.0	50-150			
Toluene	36.0	1.0	"	50.0	ND	72.0	47-150			
Trichloroethene	35.5	1.0	"	50.0	ND	71.0	71-157			
Matrix Spike Dup (B7B2112-MSD1)		**Source: 0702290-07**		Prepared: 02/21/07 Analyzed: 02/22/07						
Benzene	37.6	1.0	µg/L	50.0	ND	75.2	37-151	9.18	30	
Chlorobenzene	50.3	1.0	"	50.0	ND	101	37-160	8.71	30	
1,1-Dichloroethene	41.5	1.0	"	50.0	ND	83.0	50-150	11.5	30	
Toluene	41.3	1.0	"	50.0	ND	82.6	47-150	13.7	30	
Trichloroethene	42.1	1.0	"	50.0	ND	84.2	71-157	17.0	30	

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Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287D Project Manager: Lee Paprocki	Reported: 02/27/07 16:12

Notes and Definitions

S-03	Surrogate diluted out.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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CHAIN OF CUSTODY RECORD

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Date: 2/14/07 Page 1 of 1

Lab Project No.: _____

Client: Worley Parsons Komex
Client Address: 3455 Garden Grove Blvd
Westminster, CA 92683

Client Tel. No.: 714-379-1157
Client Fax. No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID: H0287D - APC

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analysis Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	8260B full VOCs, no oxygenates	8015D TPH (carbon range) (C7-C36)										Field Point Names/ Comments
MW1-21407		2/14/07	9:25	W	HCL	voa + 1 Liter amber	3	X	X										
EB-021407		↓	9:35	↓	↓	↓	2	X											
FB-021407		↓	9:40	↓	↓	↓	2	X											
MW2-21407		↓	10:07	↓	↓	↓	3	X	X										
MW3-21407		↓	10:50	↓	↓	↓	3	X	X										
MW4-21407		↓	11:25	↓	↓	↓	3	X	X										
TB-21407		2/14/07	—	W	HCL	voa	1	X											

Geotracker EDD Info:

Client LOGCODE

Site Global ID

1 Sampler Signature: Lee Paprocki
Printed Name: Lee Paprocki
Shipped Via:
(Carrier/Waybill No.)

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Total Number of Containers Submitted to Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

2 Relinquished By: Date: Received By: Date:
Company: Worley Parsons Komex Time: Company: Time:

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analysis specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Special Instructions:
bill to KP 15247, send EDF to Jasmin
please e-mail Lee results - thanks

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☐ Intact ☐ Chilled - Temp. (°C) _____
☐ Sample Seals ☐ Preservatives - Verified By _____
☐ Properly Labelled ☐ Other _____
☐ Appropriate Sample Container ☐ Storage Location _____

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DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy