INFORMATION HANDOUT

For Contract No. 07-2159U4
At 07-LA,Ora-5-0.0/1.5, 44.3/44.4

Identified by
Project ID 0715000160

MATERIALS INFORMATION

Site Investigation Report for Parcel 77047 and 79887

Site Investigation Report for Parcel 77604

Site Investigation Report for Parcel 77605

Site Investigation Report for Parcel 77612

Site Investigation Report for Parcel 77792

Site Investigation Report for Parcel 77793 and 77794

Site Investigation Report for Parcel 79832

Site Investigation Report for Parcel 79833

Site Investigation Report for Parcel 79852

Site Investigation Report for Parcel 79869

Site Investigation Report for Street Area La Mirada

Site Investigation Report
Parcel 77047 & 79887

SITE INVESTIGATION REPORT

Interstate 5/Segment 2 Improvement Project
Environmental Parcel Site Investigation
07-LA-0085, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 18
Star Scrap Metal/Starow Metal Recycling
14370 and 14334 Firestone Boulevard (APNs: 7003-006-007 and 7003-006-010)
La Mirada, California

Prepared for:

California Department of Transportation (District 7)

Division of Planning
Office of Environmental Engineering and Corridor Studies,
100 South Main Street, 12-297, MS-16
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Prepared by:

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September 1, 2011

Project No. 0153240180

FIGURES

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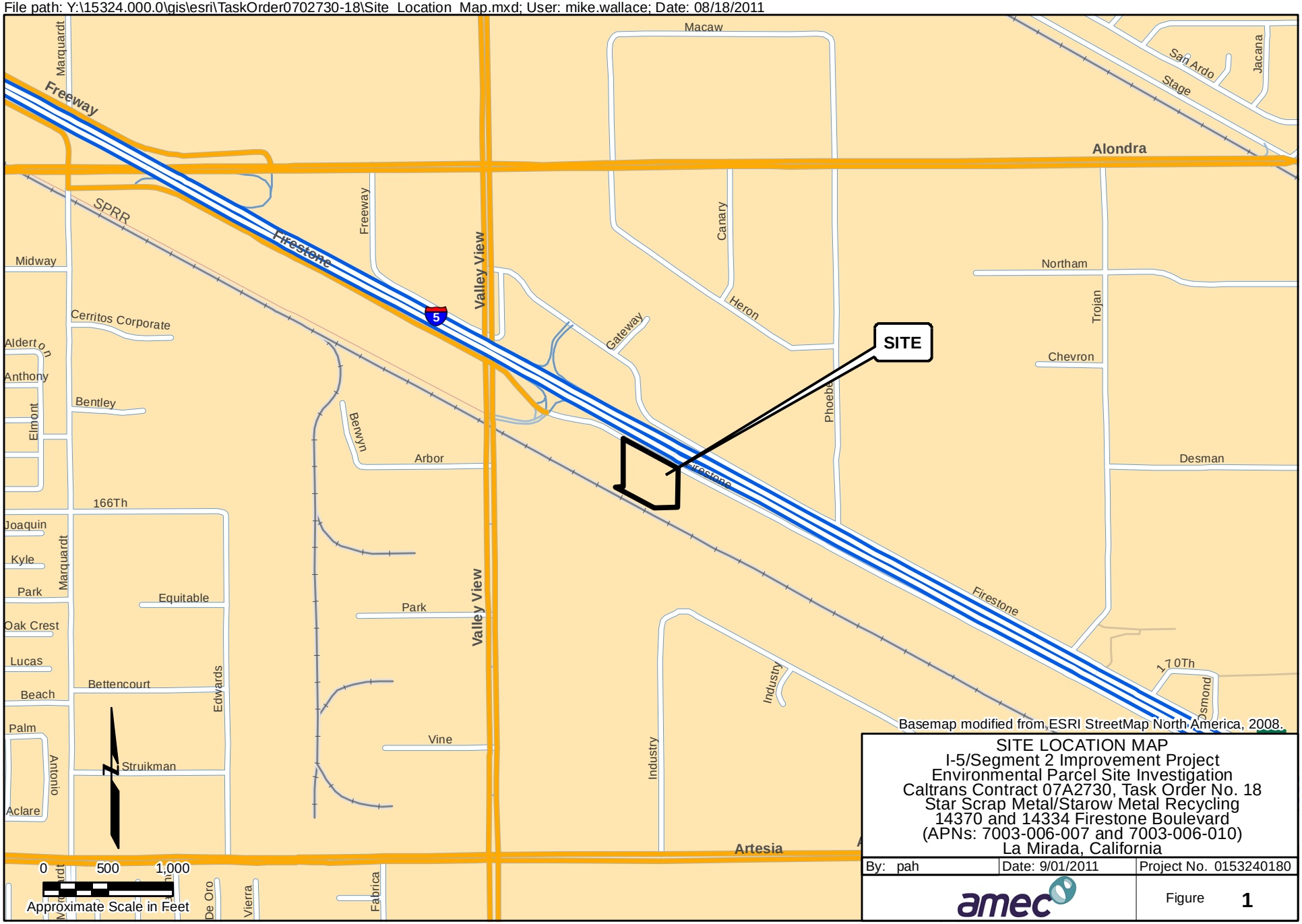
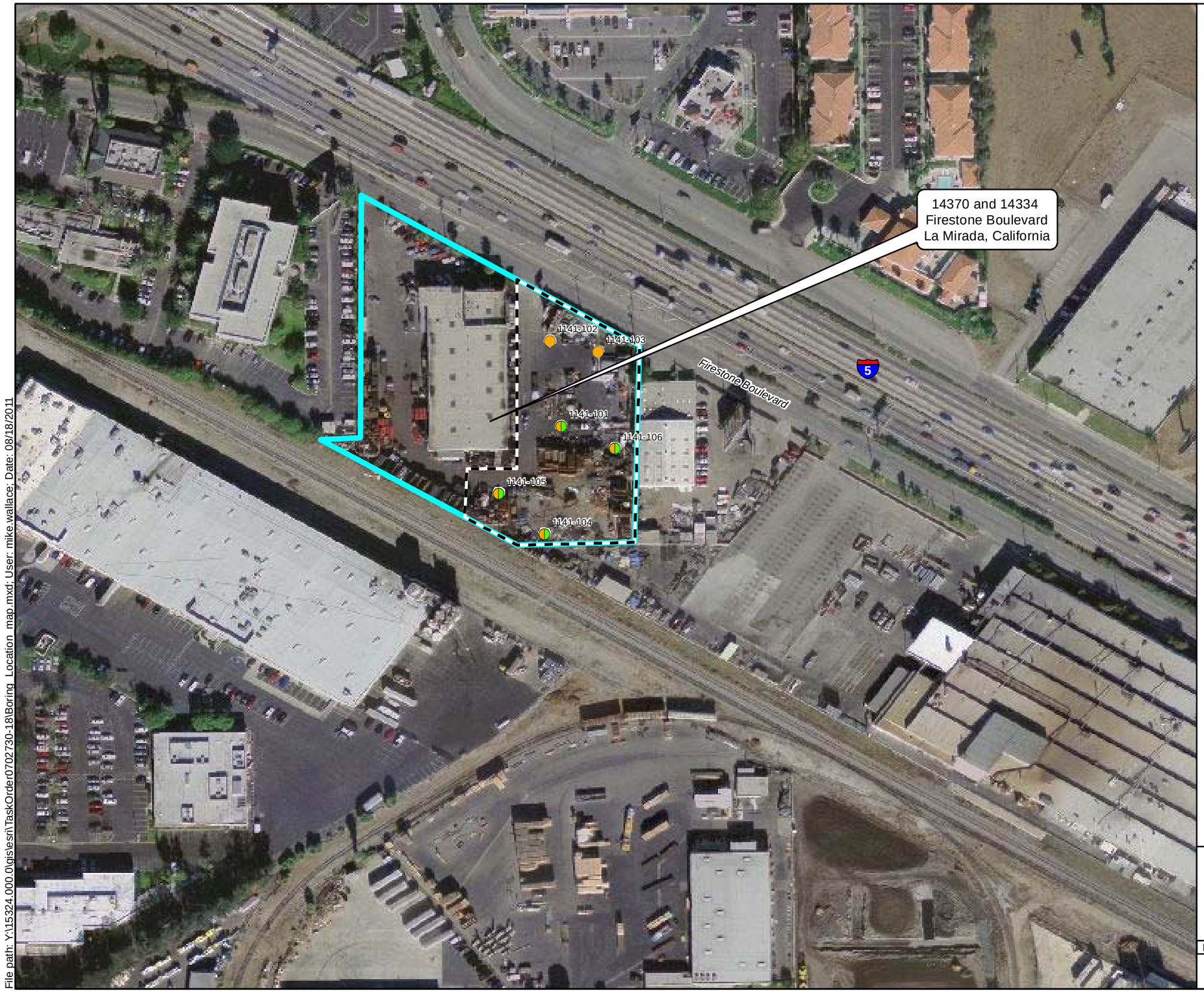


SITE LOCATION MAP
I-5/Segment 2 Improvement Project
Environmental Parcel Site Investigation
Caltrans Contract 07A2730, Task Order No. 18
Star Scrap Metal/Starow Metal Recycling
14370 and 14334 Firestone Boulevard
(APNs: 7003-006-007 and 7003-006-010)
La Mirada, California

By: pah	Date: 9/01/2011	Project No. 0153240180
amec		Figure 1



Explanation

1141-102 Soil sample location

1141-106 Soil and groundwater sampling location

Property boundary

Approximate area of investigation

Note

Sample locations are approximate.

0 75 150

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

BORING LOCATION MAP
I-5/Segment 2 Improvement Project
Environmental Parcel Site Investigation
Caltrans Contract 07A2730, Task Order No. 18
Star Scrap Metal/Starow Metal Recycling
14370 and 14334 Firestone Boulevard
(APNs: 7003-006-007 and 7003-006-010)
La Mirada, California

By: mww	Date: 9/01/2011	Project No. 015324180
amec		Figure 2

File path: Y:\15324.000.0\gis\esri\TaskOrder0702730-18\Boring_Location_map.mxd; User: mike.wallace; Date: 08/18/2011

1141-102	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-102-1.5	1.5	NA	NA	NA	NA	ND	**6.5**	<16	**54**	<1.0	<1.0
1141-102-5.5	5.5	<5.0	<5.0	<5.0	<5.0	ND	ND	NA	NA	<1.0	<1.0
1141-102-10.5	10.5	<4.2	<4.2	<4.2	<4.2	ND	ND	NA	NA	<1.0	<1.0

1141-103	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-103-1.5	1.5	NA	NA	NA	NA	ND	ND	<16	**150**	<1.0	<1.0
1141-103-5.5	5.5	<4.3	<4.3	<4.3	<4.3	ND	ND	NA	NA	<1.0	<1.0
1141-103-10.5	10.5	<4.3	<4.3	<4.3	<4.3	ND	ND	NA	NA	<1.0	<1.0

1141-101	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-101-1.5	1.5	NA	NA	NA	NA	**3.0**	**19.7**	<16	240	<1.0	<1.0
1141-101-5.5	5.5	<4.3	<4.3	<4.3	<4.3	ND	ND	NA	NA	<1.0	<1.0
1141-10.5	10.5	<4.3	**6.6**	<4.3	7.1	ND	ND	NA	NA	<1.0	<1.0

1141-106	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-106-1.75	1.75	NA	NA	NA	NA	**90**	**393**	**750**	**890**	<1.0	<1.0
1141-106-4.0	4	**250**	<4.9	**200**	**24 J***	**313**	**398**	NA	NA	<1.0	<1.0
1141-106-5.5	5.5	<4.3	<4.3	<4.3	<4.3	ND	ND	NA	NA	<1.0	<1.0
1141-106-10.5	10.5	<3.7	<3.7	<3.7	<3.7	ND	ND	NA	NA	<1.0	<1.0

1141-105	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-105-1.75	1.75	NA	NA	NA	NA	ND	ND	<16	<16	<1.0	<1.0
1141-105-5.5	5.5	<4.1	<4.1	<4.1	<4.1	ND	ND	NA	NA	<1.0	<1.0
1141-105-10.5	10.5	<3.7	<3.7	<3.7	<3.7	ND	ND	NA	NA	<1.0	**1.2**

1141-104	Depth	1,2,4-TMB	B	N	PCE	C13-C22	C23-C32	Aroclor 1242	Aroclor 1260	A	C
Sample ID	feet	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg
1141-104-1.75	1.75	NA	NA	NA	NA	**862**	**1400**	<16	**50**	<1.0	<1.0
1141-104-5.5	5.5	<4.3	<4.3	<4.3	<4.3	ND	ND	NA	NA	<1.0	<1.0
1141-104-10.5	10.5	<3.6	**20**	<3.6	<3.6	ND	ND	NA	NA	**2.5**	**1.6**

Explanation

1141-102	Soil sample location
1141-106	Soil and groundwater sampling location
	Property boundary
	Approximate area of investigation
1,2,4-TMB	1,2,4-Trimethylbenzene
B	Benzene
N	Naphthalene
PCE	Tetrachloroethene
C13-C22	total petroleum hydrocarbons with carbon chain speciation
A	Arsenic
C	Cadmium

Notes

1. Sample locations are approximate.
2. Concentration in micrograms per kilogram (µg/Kg) or milligrams per kilogram (mg/Kg) in soil.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.
4. J* = The analyte is qualified as a result of the data validation process conducted by AMEC.
5. NA = not analyzed / not applicable.
6. ND = not detected.
7. Less than symbol (<) indicates the analyte was not detected at the practical quantitation limit shown.

N

0 75 150

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION SOIL DATA EXCEEDING SCREENING CRITERION
I-5/Segment 2 Improvement Project
Environmental Parcel Site Investigation
Caltrans Contract 07A2730, Task Order No. 18
Star Scrap Metal/Starow Metal Recycling
14370 and 14334 Firestone Boulevard
(APNs: 7003-006-007 and 7003-006-010)
La Mirada, California

By: mww | Date: 9/01/2011 | Project No. 015324180

amec | Figure 3

File path: Y:\15324.000.0\gis\esri\TaskOrder0702730-18\soil_data_map.mxd; User: mike.wallace; Date: 08/18/2011

1141-101	Depth	Molybdenum
Sample ID	(feet)	(µg/L)
1141-101-GW	19-24	**0.16**
1141-101-GW-DUP	19-24	**0.16**

1141-105	Depth	Molybdenum
Sample ID	(feet)	(µg/L)
1141-105-GW	15-20	**0.12**

1141-106	Depth	Molybdenum
Sample ID	(feet)	(µg/L)
1141-106-GW	19 - 24	**0.25**

1141-104	Depth	Molybdenum
Sample ID	(feet)	(µg/L)
1141-104-GW	19-24	**0.056**

Explanation

1141-102 Soil sample location

1141-106 Soil and groundwater sampling location

Property boundary

Approximate area of investigation

Notes

1. Sample locations are approximate.
2. Concentrations in micrograms per liter (µg/L) in groundwater.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.

N

0 75 150

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION GROUNDWATER DATA
EXCEEDING SCREENING CRITERION
I-5/Segment 2 Improvement Project
Environmental Parcel Site Investigation
Caltrans Contract 07A2730, Task Order No. 18
Star Scrap Metal/Starow Metal Recycling
14370 and 14334 Firestone Boulevard
(APNs: 7003-006-007 and 7003-006-010)
La Mirada, California

By: mww | Date: 9/01/2011 | Project No. 015324180

amec

Figure 4

File path: Y:\15324.000.0\gis\esri\TaskOrder0702730-18\gw_data_map.mxd; User: pat.herring; Date: 08/18/2011

Site Investigation Report
Parcel 77604

Notice to Contractor

For the property located at 14670 Firestone Boulevard, La Mirada, CA; referred to as the Abbey property and La Mirada Commerce Center:

- Contamination on 14670 Firestone Boulevard originates from the Western Chemical property.
- At the time of information handout preparation the attached information for the first quarter 2014 was available for Western Chemical.
- Before starting work on 14670 Firestone Boulevard, the contractor is required to visit the State Water Resources Control Board GEOTRACKER website to get the most recent information available for the Western Chemical site, currently owned by PJK Properties, LLC, and occupied by All-Tex Inks Corporation.
- The website can be accessed by this link: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL204CA2325

SEMI-ANNUAL INDOOR AIR SAMPLING
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA

Prepared for:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 W. 4th Street, Suite 200
Los Angeles, California

On behalf of:

SOCO WEST, INC.
100 First Stamford Place
Stamford, Connecticut 06902

Prepared by:

JPR **TECHNICAL SERVICES, INC.**
4401 Atlantic Avenue, Suite 200
Long Beach, California
562.984.2060

Project No. JPR-00-108
15 March 2014

TABLES

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1,4-Dioxane	2,2-Dichloropropane	2-Butanone	2-Hexanone
		PEL (µg/m3)		1900000	7000	7600000	45000	400000	4000	5000	60000	40000	125000	1000	150000	4000	350000	125000			60000	1000		590000	4000
Indoor Samples	AAI-01	2/7/07	< 7.34	< 5.87	< 7.42	< 8.26	< 5.82	< 4.37	< 4.32	< 4.66	< 6.89		**3.63 UJ**	< 8.3	< 12.98	< 4.37	< 4.99	**1.23 J**	< 12.98	< 5.23	**1.11 J**	**0.65 J**	< 5.13	**4.86**	
		2/8/07	< 5.51	< 4.41	< 5.57	< 6.2	< 4.37	< 3.28	< 3.25	< 3.5	< 5.18		**5.18 UJ**	< 6.24	< 9.75	< 3.28	< 3.75	**1.71 J**	**0.56 UJ**	< 3.93	**0.69 UJ**	< 2.5	< 3.86	**1.92 J**	
		8/14/08		< 4.8	< 12	< 14	< 4.8	< 3.6	< 3.5		< 5.3	< 13	**6.3 J**	< 6.8	< 5.3	< 3.6	< 4.1	< 4.4	< 5.3		< 5.3	< 64		**5 J**	< 7.3
		8/15/08		< 4.4	< 11	< 12	< 4.4	< 3.3	< 3.2		< 4.9	< 12	**3.9 J**	< 6.3	< 4.9	< 3.3	< 3.8	< 4	< 4.9		< 4.9	< 59		**12**	< 6.7
		7/16/09		< 6.5	< 16	< 18	< 6.5	< 4.9	< 4.8		< 72	< 36	**7.8 J**	< 9.2	< 7.2	< 4.9	< 5.5	**2.7 J**	< 7.2		< 7.2	< 86		**3.9 J**	< 9.8
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**5.8 J**	< 3.8	< 3	< 2	< 2.3	**1.7 J**	< 3		< 3	< 36		**3.2 J**	< 6.1
		1/14/10 - DUP		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**5.8 J**	< 3.8	< 3	< 2	< 2.3	**1.9 J**	< 3		< 3	< 36		**3.2 J**	< 6.1
		7/14/10		< 4.1	< 10	< 17	< 4.1	< 3.1	< 3		< 46	< 23	**3.8 J**	< 5.8	< 4.6	< 3.1	< 3.5	< 3.7	< 4.6		< 4.6	< 55		**11**	< 9.3
		7/14/10 - DUP		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3		< 46	< 23	**4.3 J**	< 5.9	< 4.6	< 3.1	< 3.5	< 3.8	< 4.6		< 4.6	< 55		**13**	< 9.4
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.8 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.8**	< 6.1
		7/15/11		**5.7**	< 6.9	**1.4 J**	< 2.7	< 2	**2.4**		< 30	< 15	**2.3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.1 J**	< 6.1
		9/7/11		**19**	< 0.69	**6.6 J**	< 0.27	**0.72 J**	**22**		< 3	< 1.5	**4.5 J**	< 0.38	< 0.3	< 0.2	< 0.23	**1.5 J**	< 0.3		< 0.3	< 3.6		**12**	< 0.61
		10/26/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.5 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.1 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.5**	< 6.1
		7/11/12		**1.1 J**	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.1**	< 6.1
		1/16/13		**1.1 J**	< 69	**1.5 J**	< 27	< 20	**1 J**		< 300	< 150	**3.2 J**	< 38	< 30	< 20	< 23	**1 J**	< 30		< 30	< 360		**3.6 J**	< 61
		1/16/13 - DUP		**0.85 J**	< 69	**1 J**	< 27	< 20	< 20		< 300	< 150	**2.5 J**	< 38	< 30	< 20	< 23	**0.77 J**	< 30		< 30	< 360		**4.1 J**	< 61
		7/17/13		**0.52 J**	< 69	**0.56 J**	< 27	< 20	< 20		< 300	< 150	**1.5 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.68 J**	< 2.7	< 2	< 2		< 30	< 15	**3.2 J**	< 3.8	< 3	< 2	< 2.3	**0.89 J**	< 3		< 3	< 36		**5.3**	< 6.1
	AAI-02	2/7/07	< 7.16	< 5.73	< 7.23	< 8.05	< 5.67	< 4.26	< 4.21	< 4.55	< 6.72		**0.66 UJ**	< 8.09	< 12.66	< 4.26	< 4.87	< 5.22	< 12.66	< 5.1	< 12.66	< 3.24	< 5.01	**0.96 J**	
		2/8/07	< 7.05	< 5.64	< 7.12	< 7.93	< 5.58	< 4.2	< 4.15	< 4.48	< 6.61		**6.85 UJ**	< 7.97	< 12.46	< 4.2	< 4.79	**2.15 UJ**	**0.67 UJ**	< 5.02	**1.04 UJ**	< 3.19	< 4.93	**1.75 J**	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	**2.8 J**	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		**7.1**	< 7
		8/15/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	< 8.4	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		**5.6**	< 7
		7/16/09		< 4.1	< 10	< 11	< 4.1	< 3	< 3		< 45	< 22	**20**	< 5.8	< 4.5	< 3	< 3.5	**7.6**	< 4.5		< 4.5	< 54		**5.8**	< 6.1
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.7 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.6 J**	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3		< 46	< 23	**3.2 J**	< 5.9	< 4.6	< 3.1	< 3.5	< 3.8	< 4.6		< 4.6	< 55		**10**	< 9.4
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	**6.3 J**	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.9**	< 6.1
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.8 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**6.8**	< 6.1
		7/15/11		**11**	< 6.9	**2.2 J**	< 2.7	< 2	**4.6**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.6 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.2 J**	< 6.1
		7/11/12		**2.6 J**	< 6.9	< 11	< 2.7	< 2	**0.93 J**		< 30	< 15	**1.7 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.5 J**	< 6.1
		1/16/13		< 27	< 69	**0.64 J**	< 27	< 20	< 20		< 300	< 150	**1.6 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3.7 J**	< 61
		7/17/13		**6.8**	< 69	**0.66 J**	< 27	< 20	< 20		< 300	< 150	**5.4 J**	< 38	< 30	< 20	< 23	**1.4 J**	< 30		< 30	< 360		**7.6**	< 61
		1/15/14		**0.97 J**	< 6.9	**0.6 J**	< 2.7	< 2	< 2		< 30	< 15	**2.2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.6**	< 6.1
	AAI-03	2/7/07	< 7.34	< 5.87	< 7.42	< 8.26	< 5.82	< 4.37	**0.53 J**	< 4.66	< 6.89		**3.5 J**	< 8.3	< 12.98	< 4.37	< 4.99	**1.09 J**	< 12.98	< 5.23	**0.79 J**	< 3.32	< 5.13	**2.82**	
		2/8/07	< 6.9	< 5.91	**0.86 UJ**	< 8.31	< 5.85	< 4.11	**0.6 J**	< 4.69	< 6.93		**7.38 J**	< 7.8	< 13.06	< 4.4	< 4.69	**1.15 UJ**	< 13.06	< 5.26	< 12.2	**0.76 J**	< 5.16	**1.38 J**	
		8/14/08		< 5.8	< 15	< 16	< 5.8	< 4.3	< 4.2		< 6.5	< 16	< 11	< 8.2	< 6.4	< 4.3	< 4.9	< 5.3	< 6.4		< 6.4	< 77		**8.3**	< 8.8
		8/15/08		< 6	< 15	< 17	< 6	< 4.5	< 4.4		< 6.6	< 16	**5 J**	< 8.5	< 6.6	< 4.5	< 5.1	< 5.4	< 6.6		< 6.6	< 79		**7**	< 9
		7/16/09		< 5.9	< 15	< 17	< 5.9	< 4.4	< 4.3		< 66	< 32	**13**	< 8.4	< 6.6	< 4.4	< 5	**4.6 J**	< 6.6		< 6.6	< 79		**6.2 J**	< 8.9
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.7 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3 J**	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3.1		< 46	< 23	< 11	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		**7.9**	< 9.5
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.3 J**	< 6.1
		7/5/11		**11**	< 6.9	**2.1 J**	< 2.7	< 2	**4.6**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.6 J**	< 6.1
		7/15/11 - Dup		**11**	< 6.9	**2.1 J**	< 2.7	< 2	**4.6**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.4 J**	< 6.1
		9/7/11		**28**	< 0.69	**9.4 J**	< 0.27	**1.1 J**	**32**		< 3	< 1.5	**2 J**	< 0.38	< 0.3	< 0.2	< 0.23	< 0.25	< 0.3		< 0.3	< 3.6		**12**	< 0.61
		10/26/11		**2.3 J**	< 6.9	< 11	< 2.7	< 2	**1 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.3 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.9**	< 6.1
		7/11/12		**1.9 J**	< 6.9	< 11	< 2.7	< 2	**0.74 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.8 J**	< 6.1
		7/11/12 - DUP		**2 J**	< 6.9	< 11	< 2.7	< 2	**0.71 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.6 J**	< 6.1
		1/16/13		**2.5 J**	< 69	**2 J**	< 27	< 20	**1.8 J**		< 300	< 150	**1.4 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.4 J**	< 61
		7/17/13		**2.3 J**	< 69	**0.72 J**	< 27	< 20	< 20		< 300	< 150	**8.8**	< 38	< 30	< 20	< 23	**2.2 J**	< 30		< 30	< 360		**6**	< 61
		7/17/13 - Dup		**2.1 J**	< 69	**0.72 J**	< 27	< 20	< 20		< 300	< 150	**8.3**	< 38	< 30	< 20	< 23	**2.2 J**	< 30		< 30	< 360		**6.4**	< 61
		1/15/14		**1.2 J**	< 6.9	**0.68 J**	< 2.7	< 2	< 2		< 30	< 15	**3.1 J**	< 3.8	< 3	< 2	< 2.3	**1.1 J**	< 3		< 3	< 36		**5.4**	< 6.1
	AAI-04	2/7/07	< 7.09	< 5.67	< 7.16	< 7.97	< 5.61	< 4.22	< 4.17	< 4.5	< 6.65		**6.79 J**	< 8.01	**0.76 UJ**	< 4.22	< 4.82	**2.37 J**	**0.79 J**	< 5.05	**1.04 UJ**	< 3.21	< 4.96	**3.47**	
		2/8/07	< 7.04	< 5.64	< 7.12	< 7.92	< 5.58	< 4.2	< 4.15	< 4.47	< 6.61		**4.37 UJ**	< 7.97	< 12.46	< 4.2	< 4.79	**1.74 UJ**	< 12.46	< 5.02	**0.7 J**	< 3.19	< 4.93	**1.51 J**	
		8/14/08		< 4.1	< 10	< 11	< 4.1	< 3	< 3		< 4.5	< 11	< 7.4	< 5.8	< 4.5	< 3	< 3.5	< 3.7	< 4.5		< 4.5	< 54		**6.6**	< 6.1
		8/15/08		< 5.4	< 14	< 15	< 5.4	< 4	< 3.9		< 6	< 15	< 9.8	< 7.6	< 6	< 4	< 4.6	< 4.9	< 6		< 6	< 72		< 5.9	< 8.2
		7/16/09		< 6.5	< 16	< 18	< 6.5	< 4.8	< 4.7		< 71	< 35	< 12	< 9.1	< 7.1	< 4.8	< 5.5	< 5.8	< 7.1		< 7.1	< 85		**3.4 J**	< 9.7
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.8 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.7 J**	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.2		< 48	< 24	< 12	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 57		**2.9 J**	< 9.8
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.8 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.2**	< 6.1
		7/15/11		**1.7 J**	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.5 J**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.8 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		1/16/13		**0.88 J**	< 69	**1.2 J**	< 27	< 20	< 20		< 300	< 150	**2.2 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.3 J**	< 61
		7/17/13		< 27	< 69	**0.57 J**	< 27	< 20	< 20		< 300	< 150	**1.1 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	220		**2.9 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.69 J**	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
	AAI-05	2/7/07	< 7.49	**1.54 J**	< 7.57	< 8.42	**2.65 J**	< 4.46	< 4.41	< 4.75	< 7.03		**16.93**	< 8.47	< 13.24	< 4.46	< 5.09	**6.05**	**0.74 J**	< 5.34	**1.13 UJ**	< 3.39	< 5.24	**3.83**	
		2/8/07	< 6.97	**1.27 J**	**0.9 UJ**	< 7.84	< 5.52	< 4.15	< 4.1	< 4.43	< 6.54		**14.42**	< 7.89	**1.76 J**	**0.44 J**	< 4.74	**5.39**	**1.72 UJ**	< 4.97	**2.25 J**	**0.88 J**	< 4.88	**2.05 J**	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	**5.3 J**	< 6.6	< 5.2	< 3.5	< 4	< 4.2	< 5.2		< 5.2	< 62		**4.8 J**	< 7
		8/15/08		< 6.1	< 15	< 17	< 6.1	< 4.5	< 4.4		< 6.7	< 16	< 11	< 8.5	< 6.7	< 4.5	< 5.1	< 5.5	< 6.7		< 6.7	< 80		**3.2 J**	< 9.1
		7/16/09		< 4.2	< 11	< 12	< 4.2	< 3.1	< 3.1		< 46	< 23	**2.9 J**	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		**4 J**	< 6.3
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.7 J**	< 6.1
		7/14/10		< 4.5	< 11	< 19	< 4.5	< 3.3	< 3.3		< 50	< 24	< 12	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		**7 J**	< 10
		1/12/11		< 2.7	< 6.9	< 11	`	< 2	< 2		< 30	< 15	**3.6 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.7**	< 6.1
		7/15/11		**2.1 J**	< 6.9	< 11	< 2.7	< 2	**0.79 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**0.8 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.4**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2.4 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.2 J**	< 6.1
		1/16/13		**1.3 J**	< 69	**0.99 J**	< 27	< 20	< 20		< 300	< 150	**2.1 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2 J**	< 61
		7/17/13		**0.62 J**	< 69	**0.59 J**	< 27	< 20	< 20		< 300	< 150	**2.2 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.9 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.65 J**	< 2.7	< 2	< 2		< 30	< 15	**1.9 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.2 J**	< 6.1

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1,4-Dioxane	2,2-Dichloropropane	2-Butanone	2-Hexanone
		PEL (µg/m3)		1900000	7000	7600000	45000	400000	4000	5000	60000	40000	125000	1000	150000	4000	350000	125000			60000	1000		590000	4000
Indoor Samples	AAI-06	2/7/07	< 7.3	**4.19 J**	< 7.38	**1.18 J**	< 5.79	< 4.35	**2.76 J**	< 4.64	< 6.85		**5.59 J**	< 8.26	< 12.92	< 4.35	< 4.96	**2.1 J**	**0.7 J**	< 5.2	**0.91 UJ**	**0.77 J**	< 5.11	**3.34**	
		2/8/07	< 7.54	**2.44 J**	< 7.62	< 8.48	< 5.97	< 4.49	**1.87 J**	< 4.79	< 7.07		**10.82 J**	< 8.52	< 13.33	< 4.49	< 5.12	**3.08 J**	< 13.33	< 5.37	< 13.33	< 3.41	< 5.27	**1.61 J**	
		8/14/08		< 6	< 15	< 17	< 6	< 4.4	< 4.3		< 6.6	< 16	**9.3 J**	< 8.4	< 6.6	< 4.4	< 5.1	< 5.4	< 6.6		< 6.6	< 79		**10**	< 9
		8/14/08 - DUP		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.8	< 12	**7 J**	< 6.1	< 4.7	< 3.2	< 3.7	< 3.9	< 4.7		< 4.7	< 57		**12**	< 6.5
		8/15/08		< 6.2	< 16	< 17	< 6.2	< 4.6	< 4.5		< 6.8	< 17	**4.5 J**	< 8.7	< 6.8	< 4.6	< 5.2	< 5.6	< 6.8		< 6.8	< 81		< 6.7	< 9.3
		8/15/08 - DUP		< 4.8	< 12	< 13	< 4.8	< 3.5	< 3.5		< 5.3	< 13	**6.2 J**	< 6.7	< 5.3	< 3.5	< 4	< 4.3	< 5.3		< 5.3	< 63		**2.9 J**	< 7.2
		7/16/09		< 4.1	< 10	< 12	< 4.1	< 3.1	< 3		< 46	< 23	**5.7 J**	< 5.8	< 4.6	< 3.1	< 3.5	< 3.7	< 4.6		< 4.6	< 55		**3.4 J**	< 6.2
		7/16/09 - DUP		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 47	< 23	**4 J**	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**3.5 J**	< 6.4
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**6.2 J**	< 3.8	< 3	< 2	< 2.3	**2 J**	< 3		< 3	< 36		**2.4 J**	< 6.1
		7/14/10		< 4.4	< 11	< 19	< 4.4	< 3.3	< 3.2		< 49	< 24	**4.5 J**	< 6.2	< 4.9	< 3.3	< 3.7	< 4	< 4.9		< 4.9	< 58		**2.7 J**	< 10
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**32**	< 3.8	< 3	< 2	< 2.3	**8.9**	< 3		< 3	< 36		**4.1 J**	< 6.1
		7/15/11		**0.83 J**	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**0.78 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.5 J**	< 6.1
		1/18/12 - DUP		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.6 J**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**3.2 J**	< 3.8	< 3	< 2	< 2.3	**1 J**	< 3		< 3	< 36		**2.7 J**	< 6.1
		1/16/13		< 27	< 69	< 110	< 27	< 20	< 20		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.5 J**	< 61
		7/17/13		**3**	< 69	**0.61 J**	< 27	< 20	< 20		< 300	**0.96 J**	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3.1 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.7 J**	< 2.7	< 2	< 2		< 30	< 15	**3.3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.4**	< 6.1
Outdoor Samples	AAO-01	2/7/07	< 6.87	< 5.5	< 6.94	< 7.73	< 5.44	< 4.09	< 4.04	< 4.36	< 6.45		**1.78 UJ**	< 7.77	**1.67 J**	< 4.09	< 4.67	**0.72 J**	**1.74 UJ**	< 4.9	**2.23 UJ**	**0.58 J**	< 4.81	**0.93 J**	
		2/8/07	< 7.66	< 6.13	< 7.74	< 8.61	< 6.07	< 4.56	< 4.51	< 4.86	< 7.19		**6 UJ**	< 8.66	**2.01 UJ**	< 4.56	< 5.21	**2.09 UJ**	**2.18 J**	< 5.46	**2.85 UJ**	< 3.47	< 5.36	**1.88 J**	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	< 8.4	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		**2.7 J**	< 7
		8/15/08		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.7	< 12	< 7.7	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.6 J**	< 6.4
		7/16/09		< 4.4	< 11	< 12	< 4.4	< 3.3	< 3.2		< 49	< 24	< 8	< 6.3	< 4.9	< 3.3	< 3.8	< 4	< 4.9		< 4.9	< 59		**3.7 J**	< 6.7
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		7/14/10		< 4.5	< 11	< 19	< 4.5	< 3.3	< 3.3		< 50	< 24	< 12	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		**1.8 J**	< 10
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.9 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.3**	< 6.1
		7/15/11		**9.6**	< 6.9	**1.6 J**	< 2.7	< 2	**4.2**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.2 J**	< 6.1
		7/11/12		**1.7 J**	< 6.9	< 11	< 2.7	< 2	**0.62 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.1 J**	< 6.1
		1/16/13		< 27	< 69	**0.68 J**	< 27	< 20	< 20		< 300	< 150	**1.1 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**1.9 J**	< 61
		7/17/13		**2.2 J**	< 69	**1.1 J**	< 27	< 20	< 20		< 300	**1.2 J**	**1.3 J**	< 38	**0.43 J**	< 20	< 23	< 25	< 30		**0.58 J**	< 360		**2.6 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.58 J**	< 2.7	< 2	< 2		< 30	< 15	**2.6 J**	< 3.8	< 3	< 2	< 2.3	**0.75 J**	< 3		< 3	< 36		**3.1 J**	< 6.1
		1/15/14 - DUP		< 2.7	< 6.9	**0.79 J**	< 2.7	< 2	< 2		< 30	**1.3 J**	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.4 J**	< 6.1
	AAO-02	2/7/07	< 6.65	**0.56 J**	< 6.72	< 7.48	**1.91 J**	< 3.96	< 3.91	< 4.22	< 6.24		**1.51 UJ**	< 7.52	**0.7 J**	< 3.96	< 4.52	**0.52 J**	**0.8 UJ**	< 4.74	**1.04 UJ**	< 3.01	< 4.65	**1.34 J**	
		2/8/07	< 8.72	< 6.98	< 8.81	< 9.81	< 6.91	< 5.19	< 5.13	< 5.54	< 8.18		**4.22 J**	< 9.86	**1.34 J**	< 5.19	< 5.93	**1.75 UJ**	**1.24 J**	< 6.21	**1.65 UJ**	**3.34 J**	< 6.1	**3.22**	
		8/14/08		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.8	< 12	< 7.8	< 6.1	< 4.7	< 3.2	< 3.7	< 3.9	< 4.7		< 4.7	< 57		< 4.7	< 6.5
		8/15/08		< 4.8	< 12	< 14	< 4.8	< 3.6	< 3.5		< 5.3	< 13	< 8.7	< 6.8	< 5.3	< 3.6	< 4.1	< 4.4	< 5.3		< 5.3	< 64		< 5.2	< 7.3
		7/16/09		< 4.4	< 11	< 12	< 4.4	< 3.2	< 3.2		< 48	< 24	< 7.9	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 58		**3.2 J**	< 6.6
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.1 J**	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.1		< 47	< 23	< 12	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.9 J**	< 9.6
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.6 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.3 J**	< 6.1
		7/15/11		**22**	< 6.9	**3.2 J**	< 2.7	< 2	**9.4**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.4 J**	< 6.1
		9/7/11		**23**	< 0.69	**8.4 J**	< 0.27	**0.91 J**	**28**		< 3	< 1.5	< 0.74	< 0.38	< 0.3	< 0.2	< 0.23	< 0.25	< 0.3		< 0.3	< 3.6		**6.2**	< 0.61
		10/26/11		**21**	< 6.9	**2.4 J**	< 2.7	< 2	**11**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.5 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.5 J**	< 6.1
		7/11/12		**7.6**	< 6.9	**1.6 J**	< 2.7	< 2	**2.9**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.2 J**	< 6.1
		1/16/13		**17**	< 69	**5.3 J**	< 27	**0.37 J**	**9.2**		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.1 J**	< 61
		7/17/13		**10**	< 69	**1.6 J**	< 27	< 20	**3.5**		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3.2 J**	< 61
		1/15/14		**0.46 J**	< 6.9	**0.69 J**	< 2.7	< 2	< 2		< 30	< 15	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.5**	< 6.1
	AAO-03	2/7/07	< 5.79	< 5.62	< 5.85	< 6.52	**2.02 J**	< 4.19	< 3.41	< 3.68	< 6.6		**1.5 J**	< 6.55	**0.64 J**	< 4.19	< 3.94	**0.58 J**	**0.63 J**	< 5.01	**0.85 J**	< 2.62	< 4.05	**1.24 J**	
		2/8/07	< 8.17	< 6.53	< 8.25	< 9.19	< 6.47	< 4.86	< 4.81	< 5.19	< 7.66		**2.9 UJ**	< 9.24	**0.78 UJ**	< 4.86	< 5.55	**0.95 UJ**	**0.95 UJ**	< 5.82	**1.31 UJ**	< 3.7	< 5.71	**1.61 J**	
		8/14/08		< 4.5	< 11	< 13	< 4.5	< 3.3	< 3.3		< 5	< 12	< 8.1	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		**11**	< 6.8
		8/15/08		< 4.9	< 12	< 14	< 4.9	< 3.6	< 3.6		< 5.4	< 13	< 8.8	< 6.9	< 5.4	< 3.6	< 4.2	< 4.4	< 5.4		< 5.4	< 65		< 5.3	< 7.4
		7/16/09		< 4.2	< 11	< 12	< 4.2	< 3.1	< 3.1		< 46	< 23	< 7.6	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		**3.2 J**	< 6.3
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.1 J**	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.1		< 47	< 23	< 12	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.1 J**	< 9.6
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**4.1 J**	< 3.8	< 3	< 2	< 2.3	**1 J**	< 3		< 3	< 36		**3.5 J**	< 6.1
		7/15/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**0.63 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.2 J**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		1/16/13		< 27	< 69	**0.63 J**	< 27	< 20	< 20		< 300	< 150	**1.4 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**1.9 J**	< 61
		7/17/13		< 27	< 69	**0.56 J**	< 27	< 20	< 20		< 300	< 150	**2.9 J**	< 38	< 30	< 20	< 23	**0.75 J**	< 30		< 30	< 360		**2.9 J**	< 61
		1/15/14		**0.56 J**	< 6.9	**0.71 J**	< 2.7	< 2	< 2		< 30	< 15	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.7**	< 6.1
	AAO-04	2/7/07	< 7.16	< 5.73	< 7.23	< 8.05	< 5.67	< 4.26	< 4.21	< 4.55	< 6.72		**0.96 UJ**	< 8.09	< 12.66	< 4.26	< 4.87	< 5.22	< 12.66	< 5.1	< 12.66	< 3.24	< 5.01	**0.67 J**	
		2/8/07	< 7.99	< 6.4	< 8.08	< 8.99	< 6.33	< 4.76	< 4.7	< 5.08	< 7.5		**2.68 UJ**	< 9.04	< 14.14	< 4.76	< 5.43	**0.81 UJ**	< 14.14	< 5.7	**0.8 UJ**	< 3.62	< 5.59	**1.56 J**	
		8/14/08		< 5	< 13	< 14	< 5	< 3.7	< 3.6		< 5.5	< 14	< 9	< 7.1	< 5.5	< 3.7	< 4.3	< 4.5	< 5.5		< 5.5	< 66		**3.4 J**	< 7.5
		8/15/08		< 4.4	< 11	< 12	< 4.4	< 3.2	< 3.2		< 4.8	< 12	< 7.9	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 58		**2.2 J**	< 6.6
		7/16/09		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 47	< 23	< 7.7	< 6	< 4.7	< 3.2	< 3.6	< 3.9	< 4.7		< 4.7	< 57		**4.5 J**	< 6.4
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3.1		< 47	< 23	< 11	< 6	< 4.7	< 3.1	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**1.7 J**	< 9.5
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.3 J**	< 6.1
		7/15/11	No Sample																						
		1/18/12	No Sample																						
		7/11/12	No Sample																						
		1/16/13	No Sample																						
		7/17/13	No Sample																						
		1/15/14	No Sample																						

Notes
All data reported in micrograms per cubic meter (µg/m3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi
Bold-highlight - reported value exceeds PEI
PEL -Permissible Exposure Limits

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Benzyl Chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Dichlorodifluoromethane	Dichloromethane	Dichlorotetrafluoroethane	Diisopropyl Ether	Ethanol	Ethyl Acetate	Ethylbenzene
		PEL (µg/m3)		205000	1200000	3190	1100	1050000		5000	3880		3000	12600	46000	264000	9780	105000	790000		4950000	87000	7000000	1050000	1900000	1400000	435000
Indoor Samples	AAI-01	2/7/07	1.91 J	0.89 J	68.76	2.96 J		< 5.66	< 5.62	< 10.08	< 4.15	< 4.9		< 6.87	< 5.04	< 2.82	< 5.25	2 J	< 4.28	< 7.86	3.33 J	40.1	< 7.48				3 J
		2/8/07	2.05 UJ	< 2.97	39.25	3.85		< 4.25	< 4.22	< 7.57	< 3.12	< 3.68		< 5.16	< 3.78	< 2.12	< 3.95	1.41 J	< 3.21	< 5.9	2.25 J	33.65	< 5.62				3.88
		8/14/08	< 4.4	< 7.3	330	1.7 J	< 9.2		< 5.9	< 9.1	< 3.4	< 4	< 2.8	< 5.6	< 4.1	< 2.3	< 4.3	2.1	< 3.5	< 7.5	< 4.4	460	< 25	< 15	21	< 64	< 3.8
		8/15/08	< 4	< 6.7	180	< 2.6	2.5 J		< 5.5	< 8.4	< 3.2	< 3.7	< 2.5	< 5.1	< 3.8	< 2.2	< 4	2.6	< 3.2	< 6.9	< 4	390	< 23	< 14	15 J	< 59	< 3.5
		7/16/09	2.5 J	< 9.8	230	< 3.8	< 12		< 8	< 12	< 4.7	< 5.4	< 15	< 7.5	< 5.5	< 3.2	< 5.9	1.9 J	< 4.8	< 10	3.3 J	19 J	< 34	< 20	42	< 86	< 5.2
		1/14/10	1.8 J	< 6.1	87	2.2	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4	14 J	< 14	< 8.4	94	< 36	1.4 J
		1/14/10 - DUP	2 J	< 6.1	85	2.3	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4	13 J	< 14	< 8.4	94	< 36	1.5 J
		7/14/10	< 3.7	< 9.3	48	1.2 J	6.1 J		< 5.1	< 7.9	< 3	< 3.4	< 9.5	< 4.8	< 3.5	< 2	5.4	3.1	< 3	< 6.5	3.4 J	71	< 21	< 13	55	< 55	< 3.3
		7/14/10 - DUP	< 3.8	< 9.4	57	1.3 J	6.7 J		< 5.1	< 7.9	< 3	< 3.5	< 9.5	< 4.8	< 3.5	< 2	< 3.7	< 1.6	< 3	< 6.5	< 3.8	76	< 21	< 13	70	< 55	< 3.3
		1/12/11	< 2.5	< 6.1	67	2.3	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3.2	37	< 14	< 8.4	67	< 36	2.4
		7/15/11	0.96 J	< 6.1	40	3.7	< 7.8		< 3.4	3.7 J	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	2.7	21	< 14	< 8.4	54	< 36	3.6
		9/7/11	2.3 J	0.93 J	110	2.9	< 0.78		< 0.34	< 0.52	< 0.19	< 0.23	< 0.62	< 0.31	< 0.23	< 0.13	< 0.24	2	< 0.2	< 0.43	3.1	64	< 1.4	< 0.84	320	< 3.6	2.6
		10/26/11	< 2.5	< 6.1	26	1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.8	13 J	< 14	< 8.4	24	< 36	0.71 J
		1/18/12	< 2.5	< 6.1	56	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.3	< 2	< 4.3	3.2	7.8 J	< 14	< 8.4	94	< 36	1.5 J
		7/11/12	< 2.5	< 6.1	39	1.2 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	27	< 36	0.73 J
		1/16/13	1.2 J	< 61	150	2.3	< 78		< 34	< 52	< 19	< 23	< 62	0.5 J	< 23	< 13	< 24	1.4	< 20	< 43	2.7	15 J	< 140	< 84	67	< 360	1.7 J
		1/16/13 - DUP	0.8 J	< 61	120	1.9	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	1.4	< 20	< 43	2.7	11 B,J	< 140	< 84	60	< 360	1.3 J
		7/17/13	< 25	< 61	57	1.4 J	< 78		< 34	< 52	< 19	< 23	< 62	0.46 J	< 23	< 13	< 24	1.1	< 20	< 43	2.8	7.7 U	< 140	< 84	37	< 360	0.9 J
		1/15/14	0.97 J	< 6.1	370	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.59 J	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	4.4	12 J	< 14				1.8 J
	AAI-02	2/7/07	0.55 J	0.49 J	21.39	1.55 J		< 5.51	< 5.48	< 9.83	< 4.05	< 4.78		< 6.69	< 4.91	< 2.75	< 5.12	0.94 J	< 4.17	< 7.66	2.04 J	23.03	< 7.29				1.04 J
		2/8/07	2.77 J	< 3.79	35.7	3.44		< 5.43	< 5.39	< 9.67	< 3.98	< 4.7		< 6.59	< 4.84	< 2.71	< 5.04	2.6	< 4.11	< 7.54	2.9 J	170.74 E	< 7.18				3.58 UJ
		8/14/08	< 4.2	< 7	37	< 2.7	< 8.9		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	1.9	< 3.4	< 7.3	< 4.2	1500	< 24	< 14	16 J	< 62	< 3.7
		8/15/08	< 4.2	< 7	20	< 2.7	5.1 J		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	3.1	< 3.4	< 7.3	< 4.2	380	< 24	< 14	9.5 J	< 62	< 3.7
		7/16/09	7.2	< 6.1	39	1.5 J	13		< 5	< 7.8	< 2.9	< 3.4	< 9.3	< 4.7	< 3.5	< 2	< 3.7	3.9	< 3	< 6.4	3.6 J	16 J	< 21	< 13	9.4 J	< 54	1.4 J
		1/14/10	< 2.5	< 6.1	30	1.9	2.6 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.2	< 2	< 4.3	3.7	8.6 J	< 14	< 8.4	17	< 36	1.2 J
		7/14/10	< 3.8	< 9.4	17	< 2.4	13		< 5.1	< 7.9	< 3	< 3.5	< 9.5	< 4.8	< 3.5	< 2	< 3.7	3.8	< 3	< 6.5	2.6 J	15 J	< 21	< 13	10 J	< 55	< 3.3
		1/12/11	< 2.5	< 6.1	35	2.1	4.1 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	3.1	28	< 14	< 8.4	44	< 36	1.3 J
		1/12/11	< 2.5	< 6.1	36	2.2	4 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2	< 2	< 4.3	3.1	28	< 14	< 8.4	44	< 36	1.5 J
		7/15/11	< 2.5	< 6.1	15	0.85 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	0.49 J	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.7	6.8 J	< 14	< 8.4	7.3 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	84	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.2	< 2	< 4.3	3.1	6.8 J	< 14	< 8.4	25	< 36	1.6 J
		7/11/12	0.98 J	< 6.1	32	6.3	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.3 J	< 17	< 14	< 8.4	14	< 36	2.1 J
		1/16/13	< 25	< 61	37	2.8	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	0.43 J	1.5	< 20	< 43	2.7	2.7 J	< 140	< 84	44	< 360	1.3 J
		7/17/13	1.5 J	< 61	440	1.3 J	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.1	< 20	< 43	2.9	3.6 J	< 140	< 84	21	< 360	1.3 J
		1/15/14	< 2.5	< 6.1	3300	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.61 J	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	4.7	4.1 U	< 14				1.7 J
	AAI-03	2/7/07	1.76 J	0.88 J	28.23	2.6 J		< 5.66	< 5.62	< 10.08	< 4.15	< 4.9		< 6.87	< 5.04	< 2.82	< 5.25	1.79 J	< 4.28	< 7.86	3.36 J	40.82	< 7.48				2.25 J
		2/8/07	2.73 UJ	< 3.71	20.07	4.19		< 5.69	< 5.28	< 10.14	< 3.9	< 4.61		< 6.91	< 4.73	0.33 J	< 4.94	2.95	< 4.02	< 7.9	3.14 J	257.71 E	< 7.52				2.15 UJ
		8/14/08	< 5.3	< 8.8	51	< 3.4	3.6 J		< 7.2	< 11	< 4.2	< 4.9	< 3.3	< 6.7	< 4.9	< 2.8	< 5.2	2.3	< 4.2	< 9.1	< 5.3	1400	< 30	< 18	23	< 77	< 4.6
		8/15/08	< 5.4	< 9	29	< 3.5	7.4 J		< 7.4	< 11	< 4.3	< 5	< 3.4	< 6.9	< 5.1	< 2.9	< 5.4	3.7	< 4.4	< 9.4	< 5.4	510	< 31	< 18	23	< 79	< 4.8
		7/16/09	4.2 J	< 8.9	43 J	1.8 J	15 J		< 7.3	< 11	< 4.2	< 4.9	< 14	< 6.9	< 5	< 2.9	< 5.3	5.2 J	< 4.3	< 9.3	< 5.4	20 J	< 30	< 18	19 J	< 79	< 4.7
		1/14/10	< 2.5	< 6.1	31	1.9	4.2 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	3.2	< 2	< 4.3	3.7	12 J	< 14	< 8.4	20	< 36	1.3 J
		7/14/10	< 3.8	< 9.5	19	< 2.5	16		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	4	< 3.1	< 6.6	2.6 J	17 J	< 22	< 13	13 J	< 55	1.4 J
		1/12/11	< 2.5	< 6.1	30	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	3.1	17 J	< 14	< 8.4	50	< 36	1.2 J
		7/5/11	< 2.5	< 6.1	16	0.65 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.7	6.4 J	< 14	< 8.4	8.2 J	< 36	< 2.2
		7/15/11 - Dup	< 2.5	< 6.1	16	0.75 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3	6.5 J	< 14	< 8.4	8.6 J	< 36	< 2.2
		9/7/11	< 0.25	2 J	63	2.8	2.3 J		< 0.34	< 0.52	< 0.19	< 0.23	< 0.62	< 0.31	< 0.23	< 0.13	0.79 J	2.1	< 0.2	< 0.43	3.1	23	< 1.4	< 0.84	42	< 3.6	1.6 J
		10/26/11	< 2.5	< 6.1	20	1.2 J	2.5 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2	1.2 J	< 4.3	2.9	12 J	< 14	< 8.4	16	< 36	< 2.2
		1/18/12	< 2.5	1.1 J	78	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	0.62 J	< 2.4	2.3	< 2	< 4.3	3.2	4.4 J	< 14	< 8.4	30	< 36	1.7 J
		7/11/12	< 2.5	< 6.1	32	1.3 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	13	< 36	1.1 J
		7/11/12 - DUP	< 2.5	< 6.1	30	1.3 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.2	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	11	< 36	1.1 J
		1/16/13	< 25	< 61	55	2.4	< 78		< 34	< 52	< 19	< 23	< 62	0.56 J	< 23	< 13	0.39 J	1.6	< 20	< 43	2.8	5.5 J	< 140	< 84	45	< 360	1.5 J
		7/17/13	2.4 J	< 61	1200	1.9	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.2	< 20	< 43	2.9	4.2 U	< 140	< 84	28	< 360	2 J
		7/17/13 - Dup	2.3 J	< 61	1000	1.5 J	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.2	< 20	< 43	2.8	4.4 J	< 140	< 84	26	< 360	3.3
		1/15/14	0.88 J	< 6.1	1000	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.6 J	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	4.7	5.2 U	< 14				1.7 J
	AAI-04	2/7/07	3.88 J	0.71 J	37.65	2.57 J		< 5.46	< 5.42	< 9.73	< 4.01	< 4.73		< 6.63	< 4.86	0.77 J	< 5.07	1.16 J	< 4.13	< 7.59	2.77 J	41.34	< 7.22				1.71 J
		2/8/07	2.88 J	< 3.79	38.98	2.97 J		< 5.43	< 5.39	< 9.67	< 3.98	< 4.7		< 6.59	< 4.83	0.5 J	< 5.04	1.27 J	< 4.11	< 7.54	2.73 J	44.78	< 7.18				2.36 UJ
		8/14/08	< 3.7	< 6.1	55	< 2.4	< 7.8		< 5	< 7.8	< 2.9	< 3.4	< 2.3	< 4.7	< 3.5	< 2	< 3.7	1.6	< 3	< 6.4	3.5 J	100	< 21	< 13	33	< 54	< 3.3
		8/15/08	< 4.9	< 8.2	34	< 3.2	< 10		< 6.7	< 10	< 3.9	< 4.5	< 3.1	< 6.3	< 4.6	< 2.6	< 4.9	1.5 J	< 3.9	< 8.5	< 4.9	93	< 28	< 17	12 J	< 72	< 4.3
		7/16/09	< 5.8	< 9.7	45	1.7 J	< 12		< 7.9	< 12	< 4.6	< 5.4	< 15	< 7.5	< 5.5	< 3.1	< 5.8	< 2.4	< 4.7	< 10	< 5.9	11 J	< 33	< 20	10 J	< 85	< 5.1
		1/14/10	< 2.5	< 6.1	65	2.1	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	3.5	75	< 14	< 8.4	20	< 36	1.3 J
		7/14/10	< 3.9	< 9.8	28	< 2.5	< 12		< 5.3	< 8.2	< 3.1	< 3.6	< 9.9	< 5	< 3.7	< 2.1	< 3.9	1.4 J	< 3.2	< 6.8	2.6 J	27 J	< 22	< 13	11 J	< 57	< 3.5
		1/12/11	< 2.5	< 6.1	41	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.4	< 2	< 4.3	3.1	22	< 14	< 8.4	45	< 36	1.3 J
		7/15/11	< 2.5	< 6.1	17	0.51 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.7	< 17	< 14	< 8.4	6.8 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	47	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3.1	< 17	< 14	< 8.4	27	< 36	1.1 J
		7/11/12	1.2 J	< 6.1	28	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	13	< 36	3.3
		1/16/13	0.82 J	< 61	69	3.4	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	0.59 J	< 20	< 43	< 25	27	< 140	< 84	46	< 360	2.5
		7/17/13	< 25	< 61	51	2.1	< 78		< 34	< 52	< 19	< 23	< 62	0.43 J	< 23	< 13	< 24	1.2	0.96 J	< 43	2.7	7.3 J	< 140	< 84	21	< 360	1.2 J
		1/15/14	< 2.5	< 6.1	28	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.6 J	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	4.5	10 J	< 14				1.6 J
	AAI-05	2/7/07	11.41	1.01 J	139.77 E	3.57		< 5.77	< 5.73	< 10.28	< 4.23	< 5		< 7	< 5.14	1.19 J	< 5.36	1.77 J	< 4.36	< 8.01	3.95 J	346.17 E	< 7.63				2.81 J
		2/8/07	9.06	1.09 J	145.67 E	3.95		< 5.37	< 5.34	< 9.57	< 3.94	< 4.66		< 6.52	0.5 J	0.74 J	< 4.99	1.82 J	< 4.06	< 7.46	3.1 J	377.26 E	< 7.1				3.75 J
		8/14/08	3.7 J	< 7	170	< 2.7	< 8.9		< 5.8	< 8.9	< 3.3	< 3.9	< 2.7	< 5.4	< 4	< 2.3	< 4.2	1.5 J	< 3.4	< 7.3	< 4.3	900	< 24	< 14	22	< 62	< 3.7
		8/15/08	< 5.5	< 9.1	41	< 3.5	< 11		< 7.4	< 11	< 4.3	< 5	< 3.5	< 7	< 5.1	< 2.9	< 5.4	2.4	< 4.4	< 9.5	< 5.5	140	< 31	< 19	18 J	< 80	< 4.8
		7/16/09	< 3.8	< 6.3	120	2.8	< 8		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	2	< 3.1	< 6.6	4.4	140	< 22	< 13	11 J	< 55	< 3.3
		1/14/10	< 2.5	< 6.1	140	2.2	2.5 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	0.54 J	< 2.4	2.5	< 2	< 4.3	3.7	240	< 14	< 8.4	22	< 36	1.6 J
		7/14/10	< 4.1	< 10	160	< 2.6	6.4 J		< 5.5	< 8.5	< 3.2	< 3.7	< 10	< 5.2	< 3.8	< 2.2	< 4	3.5	< 3.3	< 7	3.7 J	360	< 23	< 14	18	< 59	< 3.6
		1/12/11	< 2.5	< 6.1	54	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	3.1	64	< 14	< 8.4	47	< 36	1.4 J
		7/15/11	< 2.5	< 6.1	52	< 1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.7	25	< 14	< 8.4	7.3 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	130	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	3.2	13 J	< 14	< 8.4	27	< 36	1.3 J
		7/11/12	1.2 J	0.71 J	83	18	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	1.7 J	< 2.3	< 1.3	< 2.4	1.2	< 2	< 4.3	2.3 J	4.8 J	< 14	< 8.4	14	< 36	8.1
		1/16/13	< 25	< 61	100	2.9	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	1.2	< 20	< 43	2.7	54 B	< 140	< 84	37	< 360	2 J
		7/17/13	< 25	< 61	120	2	< 78		0.5 J	< 52	< 19	< 23	< 62	0.45 J	< 23	< 13	< 24	1.1	< 20	< 43	2.7	94	< 140	< 84	20	< 360	1.1 J
		1/15/14	< 2.5	< 6.1	160	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.61 J	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4.7	17 J	< 14				1.8 J

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Benzyl Chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Dichlorodifluoromethane	Dichloromethane	Dichlorotetrafluoroethane	Diisopropyl Ether	Ethanol	Ethyl Acetate	Ethylbenzene
		PEL (µg/m3)		205000	1200000	3190	1100	1050000		5000	3880		3000	12600	46000	264000	9780	105000	790000		4950000	87000	7000000	1050000	1900000	1400000	435000
Indoor Samples	AAI-06	2/7/07	**3.67 J**	**0.76 J**	**31.11**	**11.84**		< 5.63	< 5.59	< 10.03	< 4.13	< 4.88		< 6.83	< 5.01	< 2.81	< 5.23	**1 J**	< 4.26	< 7.82	**3.1 J**	165.46 E	< 7.44				**10.97**
		2/8/07	**4.12 J**	**0.73 J**	**25.55**	**4.8**		< 5.81	< 5.77	< 10.35	< 4.26	< 5.03		< 7.05	< 5.17	**0.37 J**	< 5.4	**0.8 J**	< 4.39	< 8.07	**2.71 J**	**70.26**	< 7.68				**6.52**
		8/14/08	< 5.4	< 9	**59**	**4.8**	< 11		< 7.3	< 11	< 4.3	< 5	< 3.4	< 6.9	< 5	< 2.9	< 5.3	< 2.3	< 4.3	< 9.3	< 5.4	**280**	< 31	< 18	**81**	< 79	**5.7**
		8/14/08 - DUP	< 3.9	< 6.5	**66**	**4**	< 8.2		< 5.3	< 8.2	< 3.1	< 3.6	< 2.5	< 5	< 3.6	< 2.1	< 3.9	**1.6 J**	< 3.1	< 6.7	**4**	**260**	< 22	< 13	**86**	**9.8 J**	**4.2**
		8/15/08	< 5.6	< 9.3	**30**	**2.2 J**	< 12		< 7.6	< 12	< 4.4	< 5.1	< 3.5	< 7.1	< 5.2	< 3	< 5.5	**1.4 J**	< 4.5	< 9.6	< 5.6	**230**	< 32	< 19	**46**	**9.4 J**	< 4.9
		8/15/08 - DUP	< 4.3	< 7.2	**37**	**2.4 J**	< 9.1		< 5.9	< 9	< 3.4	< 4	< 2.7	< 5.5	< 4	< 2.3	< 4.3	**1.3 J**	< 3.5	< 7.5	< 4.3	**210**	< 24	< 15	**57**	**12 J**	< 3.8
		7/16/09	< 3.7	< 6.2	**39**	**3**	< 7.9		< 5.1	< 7.9	< 3	< 3.4	< 9.5	< 4.8	< 3.5	< 2	< 3.7	**1.5 J**	< 3	< 6.5	**6.3**	**12 J**	< 21	< 13	**24**	**3.5 J**	**5.2**
		7/16/09 - DUP	< 3.8	< 6.4	**38**	**2.4 J**	< 8.1		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**1.3 J**	< 3.1	< 6.6	**5.2**	**9.3 J**	< 22	< 13	**27**	< 56	**3.8**
		1/14/10	**2.1 J**	< 6.1	**34**	**2.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.8**	**17 J**	< 14	< 8.4	**30**	< 36	**6.3**
		7/14/10	< 4	< 10	**25**	< 2.6	< 13		< 5.4	< 8.4	< 3.1	< 3.7	< 10	< 5.1	< 3.7	< 2.1	< 4	**1.8**	< 3.2	< 6.9	**4.1**	**21 J**	< 23	< 14	**18**	< 58	**4.8**
		1/12/11	**6.7**	< 6.1	**34**	**2.2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**3.1**	**13 J**	< 14	< 8.4	**41**	< 36	**2.4**
		7/15/11	< 2.5	< 6.1	**13**	**0.56 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.9**	**4.7 J**	< 14	< 8.4	**13**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**40**	**2.1**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.5**	< 2	< 4.3	**3.6**	**9.3 J**	< 14	< 8.4	**26**	< 36	**1.1 J**
		1/18/12 - DUP	< 2.5	< 6.1	**41**	**2.1**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.5**	< 2	< 4.3	**3.4**	**9.4 J**	< 14	< 8.4	**26**	< 36	**1.1 J**
		7/11/12	**1.4 J**	< 6.1	**23**	**4.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.4 J**	**14 J**	< 14	< 8.4	**28**	**1.9 J**	**5.6**
		1/16/13	< 25	< 61	**83**	**2.3**	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	**1.2**	< 20	< 43	2.8	**13 B,J**	< 140	< 84	**53**	< 360	**1.9 J**
		7/17/13	< 25	< 61	**33**	**2.4**	< 78		< 34	< 52	< 19	< 23	< 62	**0.49 J**	< 23	< 13	< 24	**1.2**	< 20	< 43	**2.9**	**28**	< 140	**0.42 J**	**26**	< 360	**1.6 J**
		1/15/14	**0.85 J**	< 6.1	**94**	**2.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.5**	**6.5 U**	< 14				**1.9 J**
Outdoor Samples	AAO-01	2/7/07	**1.21 J**	**0.82 J**	**23.81**	**2.34 J**		< 5.29	< 5.26	< 9.43	< 3.88	< 4.59		< 6.43	**0.59 J**	< 2.64	< 4.92	**1.1 J**	< 4.01	< 7.36	**3.03 J**	**1.31 J**	< 7				**1.64 J**
		2/8/07	**2.5 J**	**0.92 J**	**43.9**	**5.01**		< 5.9	< 5.86	< 10.51	< 4.33	< 5.11		< 7.16	< 5.26	< 2.94	< 5.48	**1.51 J**	< 4.46	< 8.2	**4.03 J**	**3.5 J**	< 7.8				**4.62 J**
		8/14/08	< 4.2	< 7	**45**	< 2.7	< 8.9		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	**1.4 J**	< 3.4	< 7.3	< 4.2	**11 J**	< 24	< 14	**14 J**	< 62	< 3.7
		8/15/08	< 3.8	< 6.4	**26**	< 2.5	< 8.1		< 5.2	< 8.1	< 3	< 3.5	< 2.4	< 4.9	< 3.6	< 2.1	< 3.8	**1.4 J**	< 3.1	< 6.6	< 3.9	**3.9 J**	< 22	< 13	**7.7 J**	< 56	< 3.4
		7/16/09	< 4	< 6.7	**38**	**1.9 J**	< 8.4		< 5.5	< 8.4	< 3.2	< 3.7	< 10	< 5.1	< 3.8	< 2.2	< 4	**1.9**	< 3.2	< 6.9	**4.9**	**3.5 J**	< 23	< 14	**16**	< 59	< 3.5
		1/14/10	< 2.5	< 6.1	**21**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.8**	**1.3 J**	< 14	< 8.4	**13**	< 36	< 2.2
		7/14/10	< 4.1	< 10	**17**	< 2.6	< 13		< 5.5	< 8.5	< 3.2	< 3.7	< 10	< 5.2	< 3.8	< 2.2	< 4	**1.6 J**	< 3.3	< 7	**3.5 J**	< 29	< 23	< 14	**21**	< 59	< 3.6
		1/12/11	< 2.5	< 6.1	**26**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3**	**6.3 J**	< 14	< 8.4	**37**	< 36	**1.2 J**
		7/15/11	< 2.5	< 6.1	**12**	< 1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.2**	< 2	< 4.3	**2.9**	< 17	< 14	< 8.4	**4.9 J**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**23**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**2.9**	< 17	< 14	< 8.4	**18**	< 36	**3.2**
		7/11/12	< 2.5	< 6.1	**27**	**6.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.2 J**	< 17	< 14	< 8.4	**12**	< 36	**3.4**
		1/16/13	< 25	< 61	**31**	**2**	< 78		< 34	< 52	< 19	< 23	< 62	**0.46 J**	< 23	< 13	< 24	**1.2**	< 20	< 43	2.6	**2.1 J**	< 140	< 84	**34**	< 360	**1.4 J**
		7/17/13	< 25	< 61	**25**	**1.3 J**	< 78		< 34	< 52	< 19	< 23	< 62	**0.83 J**	< 23	< 13	**0.43 J**	**1.1**	< 20	< 43	**3.1**	**2 J**	< 140	< 84	**18**	< 360	**1.4 J**
		1/15/14	< 2.5	< 6.1	**82**	**2.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.68 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**2.4 U**	< 14				**1.6 J**
		1/15/14 - DUP	< 2.5	< 6.1	**89**	**2.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.7 J**	< 2.3	< 1.3	< 2.4	**1.9**	< 2	< 4.3	**4.9**	**2.6 U**	< 14				**1.6 J**
	AAO-02	2/7/07	**0.91 J**	**0.84 J**	**23.08**	**2.4 J**		< 5.12	< 5.09	< 9.13	< 3.76	< 4.44		< 6.22	< 4.56	< 2.55	< 4.76	**1.12 J**	< 3.87	< 7.12	**2.88 J**	**7.52**	< 6.77				**2.05 J**
		2/8/07	**1.73 J**	< 4.69	**40.39**	**4.69**		< 6.72	< 6.67	< 11.97	< 4.93	< 5.82		< 8.16	< 5.98	< 3.35	< 6.24	**1.48 J**	< 5.08	< 9.33	**2.99 J**	**33.35**	< 8.88				**3.57 UJ**
		8/14/08	< 3.9	< 6.5	**31**	< 2.5	< 8.2		< 5.3	< 8.2	< 3.1	< 3.6	< 2.5	< 5	< 3.6	< 2.1	< 3.9	< 1.6	< 3.1	< 6.7	**3.8 J**	**74**	< 22	< 13	**15**	< 57	< 3.4
		8/15/08	< 4.4	< 7.3	**15**	< 2.8	< 9.2		< 5.9	< 9.1	< 3.4	< 4	< 2.8	< 5.6	< 4.1	< 2.3	< 4.3	**1.4 J**	< 3.5	< 7.5	< 4.4	**7.2 J**	< 25	< 15	**8.2 J**	< 64	< 3.8
		7/16/09	< 3.9	< 6.6	**31**	**1.2 J**	< 8.3		< 5.4	< 8.3	< 3.1	< 3.6	< 10	< 5	< 3.7	< 2.1	< 3.9	**1.9**	< 3.2	< 6.8	**3.4 J**	**3.9 J**	< 22	< 13	**7.3 J**	< 58	< 3.5
		1/14/10	< 2.5	< 6.1	**22**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.8**	**1.8 J**	< 14	< 8.4	**14**	< 36	< 2.2
		7/14/10	< 3.8	< 9.6	**19**	< 2.5	< 12		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**2.2**	< 3.1	< 6.6	**3.5 J**	**5.5 J**	< 22	< 13	**13 J**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**25**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.7**	< 2	< 4.3	**3.1**	**9.9 J**	< 14	< 8.4	**38**	< 36	**1 J**
		7/15/11	< 2.5	< 6.1	**14**	**1.1 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	**1.1 J**	< 4.3	**2.9**	**3.8 J**	< 14	< 8.4	**5.5 J**	< 36	**0.88 J**
		9/7/11	< 0.25	< 0.61	**50**	**1.8**	< 0.78		< 0.34	< 0.52	< 0.19	< 0.23	**0.87 J**	< 0.31	< 0.23	< 0.13	**3.9**	**1.4**	< 0.2	< 0.43	**3**	**11 J**	< 1.4	< 0.84	**31**	< 3.6	**0.96 J**
		10/26/11	< 2.5	< 6.1	**15**	**0.75 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.4**	**0.94 J**	< 4.3	**2.8**	**14 J**	< 14	< 8.4	**11**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**51**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**2.8**	**4.7 J**	< 14	< 8.4	**22**	< 36	**1.4 J**
		7/11/12	< 2.5	< 6.1	**20**	**2.5**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	**0.69 J**	< 4.3	**2.2 J**	< 17	< 14	< 8.4	**11**	< 36	**1.8 J**
		1/16/13	< 25	< 61	**36**	**2.1**	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	**0.37 J**	**1.3**	**0.84 J**	< 43	2.5	**4.8 J**	< 140	< 84	**36**	< 360	**1.6 J**
		7/17/13	< 25	< 61	**210**	**1.2 J**	< 78		< 34	< 52	< 19	< 23	< 62	**0.43 J**	< 23	< 13	< 24	**1.0**	**0.78 J**	< 43	**2.8**	**3.2 U**	< 140	< 84	**19**	< 360	**0.78 J**
		1/15/14	< 2.5	< 6.1	**2500**	**2.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**4.1 U**	< 14				**1.5 J**
	AAO-03	2/7/07	**1.18 J**	**0.51 J**	**20.89**	**5.08**		< 5.42	< 4.43	< 7.95	< 3.27	< 3.87		< 6.58	< 4.82	< 2.7	< 5.03	**1.14 J**	< 4.1	< 7.53	**2.96 J**	**5.73**	< 5.9				**2.19 J**
		2/8/07	**1.28 UJ**	**0.7 J**	**33.06**	**4.29**		< 6.29	< 6.25	< 11.21	< 4.62	< 5.45		< 7.64	< 5.61	< 3.14	< 5.85	**1.24 J**	< 4.76	< 8.74	**2.98 J**	**7.03**	< 8.32				**2.47 UJ**
		8/14/08	< 4.1	< 6.8	**48**	**1.9 J**	< 8.5		< 5.5	< 8.5	< 3.2	< 3.7	< 2.6	< 5.2	< 3.8	< 2.2	< 4	**1.7 J**	< 3.3	< 7	**4.2**	**72**	< 23	< 14	**39**	< 59	< 3.6
		8/15/08	< 4.4	< 7.4	**20**	< 2.9	< 9.3		< 6	< 9.3	< 3.5	< 4.1	< 2.8	< 5.7	< 4.1	< 2.4	< 4.4	**1.4 J**	< 3.6	< 7.7	< 4.5	**61 J**	< 25	< 15	**20**	< 65	< 3.9
		7/16/09	< 3.8	< 6.3	**40**	**2.1 J**	< 8		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	**1.9**	< 3.1	< 6.6	**5.1**	**3.9 J**	< 22	< 13	**14 J**	< 55	< 3.3
		1/14/10	< 2.5	< 6.1	**27**	**2.4**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.5**	**3.2 J**	< 14	< 8.4	**23**	< 36	**2.1 J**
		7/14/10	< 3.8	< 9.6	**19**	**1 J**	< 12		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**1.7**	< 3.1	< 6.6	**4.3**	**11 J**	< 22	< 13	**26**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**29**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	**4.2 J**	< 14	< 8.4	**40**	< 36	**0.94 J**
		7/15/11	< 2.5	< 6.1	**13**	**0.51 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.2**	< 2	< 4.3	**3**	< 17	< 14	< 8.4	**8.9 J**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**34**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	**3.7 J**	< 14	< 8.4	**22**	< 36	**1.1 J**
		7/11/12	< 2.5	< 6.1	**19**	**2.8**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.3 J**	**3.9 J**	< 14	< 8.4	**16**	< 36	**1.9 J**
		1/16/13	< 25	< 61	**140**	**2.4**	< 78		< 34	< 52	< 19	< 23	< 62	**0.49 J**	< 23	< 13	< 24	**1.3**	< 20	< 43	2.6	**3.2 J**	< 140	< 84	**42**	< 360	**1.9 J**
		7/17/13	**0.98 J**	< 61	**29**	**3.2**	< 78		< 34	< 52	< 19	< 23	< 62	**0.48 J**	< 23	< 13	< 24	**1.1**	< 20	< 43	**2.8**	**4.6 J**	< 140	< 84	**45**	< 360	**2.5**
		1/15/14	< 2.5	< 6.1	**160**	**2.5**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.8**	< 2	< 4.3	**4.8**	**2.8 U**	< 14				**1.9 J**
	AAO-04	2/7/07	**0.6 J**	**0.43 J**	**16.07 U**	**1.39 J**		< 5.51	< 5.48	< 9.83	< 4.05	< 4.78		< 6.7	< 4.91	< 2.75	< 5.12	**2.3**	< 4.17	< 7.66	**2.08 J**	**0.95 J**	< 7.29				**0.95 J**
		2/8/07	**1.43 UJ**	< 4.3	**35.88**	**3.13 J**		< 6.16	< 6.12	< 10.97	< 4.52	< 5.34		< 7.48	< 5.49	< 3.07	< 5.72	**1.27 J**	< 4.66	< 8.56	**3.23 J**	**3.88 J**	< 8.14				**2.11 J**
		8/14/08	< 4.5	< 7.5	**31**	< 2.9	< 9.5		< 6.2	< 9.5	< 3.6	< 4.2	< 2.9	< 5.8	< 4.2	< 2.4	< 4.5	**1.7 J**	< 3.6	< 7.8	< 4.5	**50 J**	< 26	< 15	**13 J**	< 66	< 4
		8/15/08	< 3.9	< 6.6	**15**	< 2.6	< 8.3		< 5.4	< 8.3	< 3.1	< 3.6	< 2.5	< 5	< 3.7	< 2.1	< 3.9	**1.4 J**	< 3.2	< 6.8	< 4	**25 J**	< 22	< 13	**12 J**	< 58	< 3.5
		7/16/09	< 3.9	< 6.4	**37**	**1.5 J**	< 8.1		< 5.3	< 8.1	< 3	< 3.6	< 9.8	< 4.9	< 3.6	< 2.1	< 3.8	**1.8**	< 3.1	< 6.7	**4.6**	**4.6 J**	< 22	< 13	**13 J**	< 57	< 3.4
		1/14/10	< 2.5	< 6.1	**20**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.0**	< 2	< 4.3	**3.5**	**1.3 J**	< 14	< 8.4	**12**	< 36	< 2.2
		7/14/10	< 3.8	< 9.5	**11**	< 2.5	< 12		< 5.2	< 8	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2	< 3.8	**1.1 J**	< 3.1	< 6.6	**2.7 J**	< 27	< 22	< 13	**8.4 J**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**23**	**2.4**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	< 17	< 14	< 8.4	**37**	< 36	**1.3 J**
		7/15/11	No Sample																								
		1/18/12	No Sample																								
		7/11/12	No Sample																								
		1/16/13	No Sample																								
		7/17/13	No Sample																								
		1/15/14	No Sample																								

Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi
Bold-highlight - reported value exceeds PEI
PEL -Permissible Exposure Limits

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	Ethyl-t-Butyl Ether	Hexachloro-1,3-Butadiene	Hexane	m/p-Xylenes	Methyl t-Butyl Ether	Methylstyrene	o-Xylene	Styrene	t-1,2-Dichloroethene	t-1,3-Dichloropropene	t-Amyl-Methyl Ether	t-Butyl Alcohol	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl chloride
		PEL (µg/m3)	21000	240	180000	435000	144000		435000	215000	790000	5000		300000	170000	590000	37000	135000	5600000	30000	2555
Indoor Samples	AAI-01	2/7/07		< 23.05	1.57 J	10.88	< 2.95	< 5.72	3.02 J	< 4.59	< 3.66	< 4.9			6.22 J	0.85 J	18.75	2.58 J	1.96 J		< 2.73
		2/8/07		< 17.32	3.32	15.47	< 2.21	< 4.3	5.12	2.75 J	< 2.75	< 3.68			3.65 J	2.19	20.32	1.84 J	1.22 J		< 2.05
		8/14/08	< 15	< 19	4.6 J	5.8 J	< 13		3 J	< 7.5	< 3.5	< 8	< 15	< 11	5 J	< 5.2	8.6	< 4.8	< 9.9	9.8	< 2.3
		8/15/08	< 14	< 17	3.1 J	< 7.1	< 12		< 3.5	< 6.9	< 3.2	< 7.4	< 14	< 9.9	3.9 J	< 4.8	6.1	< 4.4	< 9.2	7.4	< 2.1
		7/16/09	< 20	< 26	< 17	< 21	< 17		2.7 J	< 10	< 4.8	< 11	< 20	< 15	< 8.1	< 7.1	14	< 6.4	< 13	12 J	< 3.1
		1/14/10	< 8.4	< 16	3.9 J	4.8 J	< 7.2		2.4	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.4 J	< 4.4	11	1.4 J	2.1 J	11	< 1.3
		1/14/10 - DUP	< 8.4	< 16	4.4 J	5.4 J	< 7.2		2.6	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.3 J	< 4.4	11	1.3 J	2 J	10	< 1.3
		7/14/10	< 13	< 24	< 11	< 13	< 11		< 3.3	< 9.7	< 3	< 6.9	< 13	< 9.2	15	< 6.7	8.6	4.3	1.8 J	32	< 1.9
		7/14/10 - DUP	< 13	< 24	< 11	< 13	< 11		1.7 J	< 9.8	< 3	< 6.9	< 13	< 9.3	16	< 6.8	9	3.3 J	< 8.6	35	< 2
		1/12/11	< 8.4	< 16	3.3 J	6.2 J	< 7.2		2.3	1 J	< 2	< 4.5	< 8.4	< 6.1	5.2	< 4.4	11	1.9 J	1.7 J	< 7	< 1.3
		7/15/11	< 8.4	< 16	3.1 J	< 8.7	< 7.2		0.87 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	14	1.6 J	4.2	18	1.6 J	8.9	< 1.3
		9/7/11	< 0.84	< 1.6	13	8.4 J	< 0.72	64	3.5	< 0.64	< 0.2	< 0.45	< 0.84	5.2 J	18	5.5	10	100	1.8 J	13	3.2
		10/26/11	< 8.4	< 16	2.1 J	< 8.7	< 7.2		1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.4	< 4.4	5.2	15	1.4 J	5.9 J	< 1.3
		1/18/12	< 8.4	< 16	3.3 J	4.8 J	< 7.2		1.9 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.4 J	0.52 J	10	28	1.6 J	< 7	< 1.3
		7/11/12	< 8.4	< 16	< 7	< 8.7	< 7.2		0.96 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.7 J	0.66 J	6.2	31	1.3 J	5 J	< 1.3
		1/16/13	< 84	< 160	3 J	6.5 J	< 72	15 J	2.4	0.64 J	< 20	< 45	< 84	< 61	0.89 J	< 44	13	37	1.5 J	< 70	< 13
		1/16/13 - DUP	< 84	< 160	2.4 J	4.7 J	< 72	11 B,J	1.8 J	0.54 J	< 20	< 45	< 84	< 61	< 34	< 44	9.3	29	1.1 J	7.8	< 13
		7/17/13	< 84	< 160	1.7 J	2.8 J	< 72		0.92 J	< 64	< 20	< 45	< 84	< 61	1.1 J	< 44	5.8	12	1.2 J	6.5 J	< 13
		1/15/14		< 16		7.4 J	< 7.2		2.8	0.87 J	< 2	< 4.5			0.97 J	< 4.4	33	45	2.9 J	< 7	< 1.3
	AAI-02	2/7/07		< 22.47	0.76 J	2.92 J	< 2.87	< 5.58	0.98 J	< 4.48	< 3.57	< 4.78			3.06 J	0.48 UJ	7.19	1.37 J	1.29 J		< 2.66
		2/8/07		< 22.13	2.44 J	14.66	< 2.83	< 5.5	5.02	3.13 J	< 3.51	< 4.7			7.26	1.06 J	21.3	1.89 J	1.66 J		< 2.62
		8/14/08	< 14	< 18	< 12	5.7 J	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	6.9	< 4.6	< 9.6	14	< 2.2
		8/15/08	< 14	< 18	< 12	< 7.4	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	5.1	< 4.6	< 9.6	8.2	< 2.2
		7/16/09	< 13	< 16	< 11	< 13	< 11		5.6	< 6.4	< 3	< 6.8	< 13	< 9.1	< 5.1	1 J	8.3	1.9 J	< 8.4	34	< 1.9
		1/14/10	< 8.4	< 16	< 7	4 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	7.9	1.2 J	1.8 J	28	< 1.3
		7/14/10	< 13	< 24	< 11	< 13	< 11		< 3.3	< 9.8	< 3	< 6.9	< 13	< 9.3	3.5 J	< 6.8	9.9	1.7 J	< 8.6	24	< 2
		1/12/11	< 8.4	8.7 U	2.8 J	4.8 J	< 7.2		1.6 J	0.91 J	< 2	< 4.5	< 8.4	< 6.1	3.4	< 4.4	8.5	2.7	1.7 J	50	< 1.3
		1/12/11	< 8.4	< 16	3.1 J	5.2 J	< 7.2		1.7 J	1.1 J	< 2	< 4.5	< 8.4	1.3 J	3.5	< 4.4	8.8	1.6 J	2.6 J	50	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	20	2.1 J	1.3 J	32	1.2 J	15	< 1.3
		1/18/12	< 8.4	< 16	2.8 J	4.8 J	< 7.2		1.7 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.4 J	3.6 J	16	3.8	1.6 J	22	< 1.3
		7/11/12	< 8.4	< 16	2.6 J	3.8 J	< 7.2	0	1.3 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	5.1	2.3 J	12	12	1.4 J	26	< 1.3
		1/16/13	< 84	< 160	2.6 J	4.8 J	< 72	2.7 J	1.7 J	0.61 J	< 20	< 45	< 84	< 61	0.78 J	< 44	11	1.1 J	1.5 J	< 70	< 13
		7/17/13	< 84	< 160	1.6 J	4.7 J	< 72		1.4 J	< 64	< 20	< 45	< 84	< 61	2.7 J	3.7 J	7.8	8.4	1.2 J	27	2.3
		1/15/14		< 16		6.9 J	< 7.2		2.5	0.7 J	< 2	< 4.5			0.86 J	1.3 J	33	3.2	3.3 J	31	< 1.3
	AAI-03	2/7/07		< 23.05	2.92	7.61 J	< 2.95	< 5.73	2.64 J	0.97 UJ	< 3.66	< 4.9			6.72 J	1.13 J	16.89	2.02 J	1.78 J		< 2.73
		2/8/07		< 23.18	3.02	16.26	< 2.96	< 5.38	5.65	1.59 UJ	< 3.68	< 4.93			4.16 J	1.17 UJ	23.91	2.3 J	0.97 J		< 2.75
		8/14/08	< 18	< 23	< 15	4.9 J	< 15		< 4.6	< 9.1	< 4.2	< 9.7	< 18	< 13	< 7.3	< 6.3	6.4	< 5.7	< 12	28	< 2.7
		8/15/08	< 18	< 23	< 16	10	< 16		< 4.8	< 9.4	< 4.4	< 10	< 18	< 13	< 7.5	< 6.5	14	< 5.9	< 12	19	< 2.8
		7/16/09	< 18	< 23	< 15	< 19	< 16		3.6 J	< 9.3	< 4.3	< 9.9	< 18	< 13	< 7.4	1.3 J	9.3	< 5.9	< 12	61	< 2.8
		1/14/10	< 8.4	< 16	< 7	4.2 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	7.8	1.4 J	1.8 J	39	< 1.3
		7/14/10	< 13	< 25	< 11	< 13	< 11		< 3.3	< 9.8	< 3.1	< 7	< 13	< 9.3	5.6	1.1 J	10	1.7 J	< 8.7	55	< 2
		1/12/11	< 8.4	< 16	2.7 J	4.5 J	< 7.2		1.4 J	0.86 J	< 2	< 4.5	< 8.4	< 6.1	2.1 J	< 4.4	8.4	1.8 J	1.6 J	85	< 1.3
		7/5/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	20	3.7 J	1.5 J	32	1.2 J	33	< 1.3
		7/15/11 - Dup	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	19	3.4 J	1.4 J	32	1.2 J	33	< 1.3
		9/7/11	< 0.84	< 1.6	9.1	4.1 J	< 0.72	23	1.6 J	< 0.64	< 0.2	< 0.45	< 0.84	3.1 J	9.3	24	8.4	5.8	1.9 J	47	4.7
		10/26/11	< 8.4	< 16	< 7	< 8.7	< 7.2		0.89 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	6.1	1.9 J	4.9	9.3	1.4 J	27	< 1.3
		1/18/12	< 8.4	< 16	3.4 J	5.1 J	< 7.2		1.8 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	8	15	2 J	1.6 J	47	< 1.3
		7/11/12	< 8.4	< 16	1.9 J	< 8.7	< 7.2	0	1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.5	3.4 J	9.4	7.5	1.4 J	41	< 1.3
		7/11/12 - DUP	< 8.4	< 16	2 J	< 8.7	< 7.2	0	1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.7	3.4 J	9.9	7.8	1.4 J	44	< 1.3
		1/16/13	< 84	< 160	2.8 J	5.8 J	< 72	5.5 J	2 J	0.63 J	< 20	< 45	< 84	< 61	2.1 J	< 44	13	3.8	1.6 J	42	< 13
		7/17/13	< 84	< 160	2.1 J	8.2 J	< 72		2.3	< 64	< 20	< 45	< 84	< 61	3.3 J	10	9.5	6.1	1.7 J	69	1.5
		7/17/13 - Dup	< 84	1.3 J	1.8 J	15	< 72		4.1	< 64	< 20	< 45	< 84	< 61	2.8 J	12	13	5.4	1.4 J	74	2
		1/15/14		< 16		7.4 J	< 7.2		2.8	1.1 J	< 2	< 4.5			0.82 J	1.2 J	34	1.4 J	3.2 J	43	< 1.3
	AAI-04	2/7/07		< 22.25	2.9	5.88 J	< 2.85	< 5.53	2.27 J	0.89 UJ	< 3.53	< 4.73			7.67	0.93 J	12.59	14.18	1.55 J		0.7 J
		2/8/07		< 22.12	1.67 J	8.31 J	< 2.83	< 5.49	2.92 J	2.68 J	< 3.51	< 4.7			5.99 J	0.67 J	15.96	9.35	1.57 J		0.44 J
		8/14/08	< 13	< 16	< 11	< 6.5	< 11		< 3.3	< 6.4	< 3	< 6.8	< 13	< 9.1	< 5.1	< 4.4	4.9	2.9 J	< 8.4	< 5.3	< 1.9
		8/15/08	< 17	< 21	< 14	< 8.6	< 14		< 4.3	< 8.5	< 3.9	< 9	< 17	< 12	< 6.7	< 5.9	4.6	< 5.3	< 11	4.1 J	< 2.5
		7/16/09	< 20	< 25	< 17	< 21	< 17		< 5.1	< 10	< 4.7	< 11	< 20	< 14	< 8	< 7	8.2	3.7 J	< 13	18	< 3
		1/14/10	< 8.4	< 16	2 J	4.5 J	< 7.2		1.7 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	9.7	14	1.8 J	62	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		< 3.5	< 10	< 3.2	< 7.2	< 13	< 9.6	< 5.4	1.7 J	3.9	9.1	< 8.9	21	< 2
		1/12/11	< 8.4	< 16	2.6 J	4.6 J	< 7.2		1.7 J	1.1 J	< 2	< 4.5	< 8.4	1.3 J	1.5 J	< 4.4	8.9	12	1.7 J	58	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	6.2	0.91 J	1.7 J	6.7	1.3 J	8.3	< 1.3
		1/18/12	< 8.4	< 16	2.6 J	4 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	1 J	9.1	2.6 J	1.6 J	3.4 J	< 1.3
		7/11/12	< 8.4	< 16	3 J	4.1 J	< 7.2	0	1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	4.9	2.7 J	1.3 J	5.4 J	< 1.3
		1/16/13	< 84	< 160	3.6 J	9.4	< 72	27	3.3	0.83 J	< 20	< 45	< 84	< 61	0.68 J	< 44	17	5.5	1.5 J	29	< 13
		7/17/13	< 84	< 160	2.2 J	3.8 J	< 72		1.3 J	< 64	< 20	< 45	< 84	< 61	0.8 J	1.9 J	7.9	8.3	1.6 J	15	< 13
		1/15/14		< 16		5.9 J	< 7.2		2 J	0.48 J	< 2	< 4.5			0.87 J	< 4.4	35	2.6 J	3.1 J	12	< 1.3
	AAI-05	2/7/07		< 23.51	5.62	9.87	< 3.01	< 5.84	4.01 J	1.25 UJ	< 3.73	< 5			34.93	1.07 UJ	21.95	35.31	2.1 J		1.69 J
		2/8/07		1.98 UJ	2.74	13.18	< 2.8	1.65 J	4.96	2.86 J	< 3.47	< 4.66			24.73	1.97 J	20.75	29.91	1.92 J		1.06 J
		8/14/08	< 14	< 18	< 12	< 7.5	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5.1	5	46	< 9.7	14	< 2.2
		8/15/08	< 19	< 24	< 16	< 9.6	< 16		< 4.8	< 9.5	< 4.4	< 10	< 19	< 13	< 7.5	< 6.5	23	6.5	< 12	3.9 J	< 2.8
		7/16/09	< 13	< 16	6 J	< 13	< 11		1.7 J	< 6.6	< 3.1	< 7	< 13	< 9.3	< 5.2	< 4.5	8.1	22	< 8.7	94	< 2
		1/14/10	< 8.4	< 16	2.3 J	5.6 J	< 7.2		2.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	11	22	1.8 J	150	< 1.3
		7/14/10	< 14	< 26	< 12	< 14	< 12		< 3.6	< 11	< 3.3	< 7.5	< 14	< 10	3.2 J	7.3	5.8	44	1.9 J	170	< 2.1
		1/12/11	< 8.4	< 16	2.8 J	5.4 J	< 7.2		2 J	1.3 J	< 2	< 4.5	< 8.4	< 6.1	3.4 J	< 4.4	9.5	14	1.7 J	110	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	4	39	1.6 J	47	1.6 J	31	< 1.3
		1/18/12	< 8.4	< 16	2.7 J	4.3 J	< 7.2		1.6 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	2.1 J	11	35	1.7 J	16	< 1.3
		7/11/12	< 8.4	< 16	8.2	12	< 7.2	0	2.4	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.6 J	1.4 J	6.2	72	1.4 J	19	< 1.3
		1/16/13	< 84	< 160	2.9 J	7.5 J	< 72	54 B	2.7	0.76 J	< 20	< 45	< 84	< 61	1 J	< 44	13	12	1.2 J	29	< 13
		7/17/13	< 84	< 160	2 J	4 J	< 72		1.4 J	< 64	< 20	< 45	< 84	< 61	0.82 J	3.6 J	8.9	60	1.2 J	50	< 13
		1/15/14		< 16		7.7 J	< 7.2		2.8	0.95 J	< 2	< 4.5			0.89 J	< 4.4	37	3.8	3.3 J	31	< 1.3

Table 2-1
Indoor and Outdoor Air Sampling Results with OSHA PEL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	Ethyl-t-Butyl Ether	Hexachloro-1,3-Butadiene	Hexane	m/p-Xylenes	Methyl t-Butyl Ether	Methylstyrene	o-Xylene	Styrene	t-1,2-Dichloroethene	t-1,3-Dichloropropene	t-Amyl-Methyl Ether	t-Butyl Alcohol	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl chloride
		PEL (µg/m3)	21000	240	180000	435000	144000		435000	215000	790000	5000		300000	170000	590000	37000	135000	5600000	30000	2555
Indoor Samples	AAI-06	2/7/07		< 22.93	**14.53**	**35.84**	< 2.93	< 5.7	**12.41**	**0.72 UJ**	< 3.64	< 4.88			**20.74**	**5.79**	**66.14**	**14.75**	**2.26 J**		< 2.72
		2/8/07		< 23.67	**3.22**	**25.49**	< 3.03	< 5.88	**9.11**	**2.39 J**	< 3.76	< 5.03			**14.94**	**3.02**	**34.63**	**8.91**	**1.68 J**		< 2.81
		8/14/08	< 18	< 23	**8.6 J**	**24**	< 16		**8.8**	< 9.3	< 4.3	< 9.9	< 18	< 13	< 7.4	< 6.5	**40**	**4 J**	< 12	< 7.7	< 2.8
		8/14/08 - DUP	< 13	< 17	**7.3 J**	**16**	< 11		**5.9**	< 6.7	< 3.1	< 7.2	< 13	< 9.6	< 5.4	< 4.7	**28**	**3.7 J**	< 8.9	< 5.6	< 2
		8/15/08	< 19	< 24	< 16	**8.9 J**	< 16		< 4.9	< 9.6	< 4.5	< 10	< 19	< 14	< 7.7	< 6.7	**16**	**4.2 J**	< 13	< 8	< 2.9
		8/15/08 - DUP	< 15	< 19	**3.9 J**	**12**	< 13		**4.4**	< 7.5	< 3.5	< 7.9	< 15	< 11	< 5.9	< 5.2	**18**	**4.7 J**	< 9.8	**3.2 J**	< 2.2
		7/16/09	< 13	< 16	**4.6 J**	**19**	< 11		**7.1**	< 6.5	< 3	< 6.9	< 13	< 9.2	< 5.2	< 4.5	**34**	**8.3**	< 8.5	**6.1 J**	< 1.9
		7/16/09 - DUP	< 13	< 17	**3.4 J**	**14**	< 11		**5.1**	< 6.6	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**27**	**7**	< 8.8	**6 J**	< 2
		1/14/10	< 8.4	< 16	**2.6 J**	**23**	< 7.2		**8.7**	**1.2 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**40**	**2.6 J**	**1.9 J**	**19**	< 1.3
		7/14/10	< 14	< 26	< 11	**19**	< 12		**6.9**	< 10	< 3.2	< 7.4	< 14	< 9.8	< 5.5	< 7.2	**13**	< 4.4	**1.9 J**	**7.7 J**	< 2.1
		1/12/11	< 8.4	< 16	**2.4 J**	**13**	< 7.2		**6.9**	**2.7 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.8**	< 2.7	**1.6 J**	**67**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.8 J**	< 4.4	**2.4**	**2.7**	**1.5 J**	**9.6**	< 1.3
		1/18/12	< 8.4	< 16	**2.6 J**	**3.9 J**	< 7.2		**1.4 J**	**0.9 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.5**	< 2.7	**1.7 J**	< 7	< 1.3
		1/18/12 - DUP	< 8.4	< 16	**2.5 J**	**3.9 J**	< 7.2		**1.4 J**	**0.89 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.4**	< 2.7	**1.8 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**10**	**8.2 J**	< 7.2	**0**	**3.5**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.4**	**0.95 J**	**2 J**	**38**	< 1.3
		1/16/13	< 84	< 160	**3 J**	**6.6 J**	< 72	**13 B,J**	**2.3**	**1.5 J**	< 20	< 45	< 84	< 61	< 34	< 44	**12**	< 27	**1.2 J**	< 70	< 13
		7/17/13	< 84	**1.8 J**	**2.2 J**	**5.3 J**	< 72		**1.9 J**	**0.41 J**	< 20	< 45	< 84	< 61	**0.72 J**	< 44	**9.6**	**1.5 J**	**1.2 J**	< 70	< 13
		1/15/14		< 16		**7.8 J**	< 7.2		**2.9**	**1.5 J**	< 2	< 4.5			**0.92 J**	< 4.4	**41**	< 2.7	**4.1 J**	< 7	< 1.3
Outdoor Samples	AAO-01	2/7/07		**2.71 J**	**1 J**	**5.11 J**	< 2.76	**0.6 J**	**2 J**	**1.07 J**	< 3.42	< 4.59			**2 J**	**0.93 J**	**10.75**	**1.14 J**	**1.73 J**		< 2.56
		2/8/07		**1.96 UJ**	**3.77**	**17.42**	< 3.08	**0.8 UJ**	**6.06**	**4.74 J**	< 3.82	< 5.11			**3.64 J**	**1.26 J**	**32.53**	**1.81 J**	**2.1 J**		< 2.85
		8/14/08	< 14	< 18	< 12	< 7.4	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	**3.8**	< 4.6	< 9.6	< 6	< 2.2
		8/15/08	< 13	< 17	< 11	< 6.8	< 11		< 3.4	< 6.6	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**2.1 J**	< 4.2	< 8.8	< 5.5	< 2
		7/16/09	< 14	< 17	< 11	< 14	< 12		< 3.5	< 6.9	< 3.2	< 7.4	< 14	< 9.9	< 5.5	< 4.8	**7.7**	< 4.4	< 9.2	< 11	< 2.1
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**0.94 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.6**	< 2.7	**2 J**	< 7	< 1.3
		7/14/10	< 14	< 26	< 12	< 14	< 12		< 3.6	< 11	< 3.3	< 7.5	< 14	< 10	< 5.6	< 7.3	**2 J**	< 4.4	< 9.3	< 12	< 2.1
		1/12/11	< 8.4	< 16	**2.2 J**	**3.7 J**	< 7.2		**1.4 J**	**0.94 J**	< 2	< 4.5	< 8.4	**2.4 J**	< 3.4	< 4.4	**8.1**	< 2.7	**2.2 J**	< 7	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**19**	< 4.4	**0.75 J**	**32**	**1.6 J**	< 7	< 1.3
		1/18/12	< 8.4	< 16	**2.1 J**	**3.6 J**	< 7.2		**1.2 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7**	< 2.7	**1.4 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**4.5 J**	**4.8 J**	< 7.2	**0**	**1.5 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**4.1**	< 4.4	**3.9**	**7**	**1.4 J**	**3 J**	< 1.3
		1/16/13	< 84	< 160	**2.2 J**	**5 J**	< 72	**2.1 J**	**1.7 J**	**0.47 J**	< 20	< 45	< 84	< 61	**0.53 J**	< 44	**11**	**0.5 J**	**1.4 J**	< 70	< 13
		7/17/13	< 84	**1.9 J**	**1.4 J**	**5.6 J**	< 72		**1.6 J**	**0.32 J**	< 20	< 45	< 84	< 61	**3.5**	< 44	**8.3**	**4.6**	**1.8 J**	< 70	< 13
		1/15/14		< 16		**7.8 J**	< 7.2		**2.7**	**0.39 J**	< 2	< 4.5			**0.83 J**	< 4.4	**29**	< 2.7	**4 J**	< 7	< 1.3
		1/15/14 - DUP		2.8 J		**6.4 J**	< 7.2		**2.3**	**0.48 J**	< 2	< 4.5			**1.1 J**	< 4.4	**30**	< 2.7	**3.4 J**	< 7	< 1.3
	AAO-02	2/7/07		< 20.87	**1.63 J**	**5.38 J**	< 2.67	< 5.18	**1.82 J**	**1.1 UJ**	< 3.31	< 4.44			**2.64 J**	**0.85 UJ**	**15.15**	**1.06 J**	**1.6 J**		< 2.48
		2/8/07		< 27.38	**5.95**	**12.78**	< 3.5	< 6.8	**4.43 J**	**2.88 J**	< 4.34	< 5.82			**3.7 J**	**1.41 J**	**28.77**	**1.29 J**	**1.77 J**		< 3.25
		8/14/08	< 13	< 17	< 11	< 6.9	< 11		< 3.4	< 6.7	< 3.1	< 7.2	< 13	< 9.6	< 5.4	< 4.7	**3.3**	< 4.2	< 8.9	< 5.6	< 2
		8/15/08	< 15	< 19	< 12	< 7.7	< 13		< 3.8	< 7.5	< 3.5	< 8	< 15	< 11	< 6	< 5.2	**2.8 J**	< 4.8	< 9.9	< 6.2	< 2.3
		7/16/09	< 13	< 17	< 11	< 14	< 12		< 3.5	< 6.8	< 3.2	< 7.3	< 13	< 9.7	< 5.4	< 4.7	**5**	< 4.3	< 9	**6.5 J**	< 2
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**1 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7.1**	< 2.7	**1.9 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		< 3.4	< 10	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 6.9	**3.4**	< 4.2	**1.8 J**	< 11	< 2
		1/12/11	< 8.4	< 16	**2.1 J**	**3.7 J**	< 7.2		**1.3 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.6 J**	< 4.4	**8.9**	< 2.7	**2.3 J**	**6.3 J**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**40**	**0.54 J**	**1 J**	**68**	**1.8 J**	< 7	< 1.3
		9/7/11	< 0.84	< 1.6	**3.5 J**	< 0.87	< 0.72	**11 J**	**1 J**	< 0.64	< 0.2	< 0.45	< 0.84	< 0.61	**6.8**	**4 J**	**6.2**	**3**	**1.8 J**	< 0.7	**4.2**
		10/26/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**36**	**1 J**	**3**	**65**	**1.4 J**	**4.8 J**	**1.2 J**
		1/18/12	< 8.4	< 16	**2.3 J**	**4 J**	< 7.2		**1.4 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.4 J**	**1.7 J**	**11**	**1.6 J**	**1.5 J**	**4.3 J**	**0.73 J**
		7/11/12	< 8.4	< 16	**6.8 J**	< 8.7	< 7.2	**0**	**0.67 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**14**	**2.7 J**	**5.2**	**30**	**1.4 J**	**2.4 J**	< 1.3
		1/16/13	< 84	< 160	**2.4 J**	**5.4 J**	< 72	**4.8 J**	**1.8 J**	**0.53 J**	< 20	< 45	< 84	< 61	26	< 44	**10**	**38**	**1.5 J**	**12**	**0.95 J**
		7/17/13	< 84	< 160	**1.3 J**	**2.5 J**	< 72		**0.82 J**	< 64	< 20	< 45	< 84	< 61	**16**	**1.1 J**	**5**	**27**	**1.3 J**	**8.4**	**2.3**
		1/15/14		< 16		**6.2 J**	< 7.2		**2.2**	**0.55 J**	< 2	< 4.5			**1 J**	< 4.4	**25**	**1.4 J**	**3 J**	**20**	< 1.3
	AAO-03	2/7/07		< 22.07	**14.18**	**7.52 J**	< 2.82	< 4.52	**3.86**	**0.74 J**	< 2.89	< 3.87			**2.42 J**	**2.19 UJ**	**25.29**	**1.29 J**	**1.57 J**		< 2.62
		2/8/07		< 25.64	**2.21 J**	**8.53 J**	< 3.28	< 6.37	**3.1 UJ**	**2.7 J**	< 4.07	< 5.45			**2.77 J**	**0.87 UJ**	**17.56**	**0.96 UJ**	**1.71 J**		< 3.04
		8/14/08	< 14	< 18	< 12	**5 J**	< 12		< 3.6	< 7	< 3.3	< 7.5	< 14	< 10	< 5.6	< 4.9	**11**	< 4.4	< 9.3	< 5.8	< 2.1
		8/15/08	< 15	< 19	< 13	< 7.8	< 13		< 3.9	< 7.7	< 3.6	< 8.2	< 15	< 11	< 6.1	< 5.3	**7.4**	< 4.8	< 10	< 6.3	< 2.3
		7/16/09	< 13	< 16	< 11	< 13	< 11		**1.5 J**	< 6.6	< 3.1	< 7	< 13	< 9.3	< 5.2	< 4.5	**12**	< 4.1	**2.5 J**	< 11	< 2
		1/14/10	< 8.4	< 16	**2.2 J**	**8.3 J**	< 7.2		**3.1**	**0.94 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**21**	< 2.7	**1.8 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		**1.7 J**	< 10	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 6.9	**5.7**	< 4.2	**2 J**	**5.1 J**	< 2
		1/12/11	< 8.4	< 16	**2.1 J**	**4 J**	< 7.2		**1.7 J**	**2.5 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**8.7**	< 2.7	**1.6 J**	**4.5 J**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.6 J**	< 4.4	**1.6 J**	**2.2 J**	**1.7 J**	< 7	< 1.3
		1/18/12	< 8.4	< 16	**2.4 J**	**3.8 J**	< 7.2		**1.4 J**	**0.94 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9**	< 2.7	**1.5 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**2.5 J**	< 8.7	< 7.2	**0**	**0.87 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.3**	< 2.7	**1.4 J**	**5.8 J**	< 1.3
		1/16/13	< 84	< 160	**2.7 J**	**7 J**	< 72	**3.2 J**	**2.3**	**2.3 J**	< 20	< 45	< 84	< 61	< 34	< 44	**15**	< 27	**1.4 J**	< 70	< 13
		7/17/13	< 84	< 160	**2 J**	**13**	< 72		**3.8**	**0.4 J**	< 20	< 45	< 84	< 61	< 34	< 44	**19**	**0.5 J**	**1.2 J**	**2.1 J**	< 13
		1/15/14		< 16		**8 J**	< 7.2		**3**	**1.8 J**	< 2	< 4.5			**0.85 J**	< 4.4	**42**	< 2.7	**4 J**	< 7	< 1.3
	AAO-04	2/7/07		< 22.48	**0.82 J**	**2.86 J**	< 2.87	< 5.58	**1.01 J**	**0.6 J**	< 3.57	< 4.78			**0.82 UJ**	**0.28 UJ**	**7.9**	< 5.64	**1.08 J**		< 2.66
		2/8/07		< 25.1	**1.55 J**	**6.61 J**	< 3.21	< 6.23	**2.35 J**	**3.68 J**	< 3.98	< 5.34			**2.09 J**	**0.62 J**	**17.66**	**0.74 J**	**1.92 J**		< 2.98
		8/14/08	< 15	< 20	< 13	< 8	< 13		< 4	< 7.8	< 3.6	< 8.4	< 15	< 11	< 6.2	< 5.4	**3.4 J**	< 4.9	< 10	< 6.5	< 2.4
		8/15/08	< 13	< 17	< 11	**4 J**	< 12		< 3.5	< 6.8	< 3.2	< 7.3	< 13	< 9.7	< 5.4	< 4.7	**5**	< 4.3	< 9	< 5.6	< 2
		7/16/09	< 13	< 17	< 11	< 14	< 11		< 3.4	< 6.7	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**6**	< 4.2	< 8.8	< 11	< 2
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**1 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.8**	< 2.7	**1.9 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 13	< 11		< 3.4	< 9.9	< 3.1	< 7	< 13	< 9.4	**2.6 J**	< 6.9	**2 J**	< 4.2	< 8.7	< 11	< 2
		1/12/11	< 8.4	< 16	**2.5 J**	**4.2 J**	**0.77 J**		**1.4 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7.7**	< 2.7	**2.5 J**	< 7	< 1.3
		7/15/11	No Sample																		
		1/18/12	No Sample																		
		7/11/12	No Sample																		
		1/16/13	No Sample																		
		7/17/13	No Sample																		
		1/15/14	No Sample																		

Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi
Bold-highlight - reported value exceeds PEI
PEL -Permissible Exposure Limits

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1,4-Dioxane	2,2-Dichloropropane	2-Butanone	2-Hexanone
		CHHSL		3210												0.195									
		RSL	1.7		0.21	130000	0.77	7.7	880		1.3	8.8	31	0.02	880		1.2				1.1	1.6		22000	
Indoor Samples	AAI-01	2/7/07	< 7.34	< 5.87	< 7.42	< 8.26	< 5.82	< 4.37	< 4.32	< 4.66	< 6.89		3.63 UJ	< 8.3	< 12.98	< 4.37	< 4.99	1.23 J	< 12.98	< 5.23	1.11 J	0.65 J	< 5.13	4.86	
		2/8/07	< 5.51	< 4.41	< 5.57	< 6.2	< 4.37	< 3.28	< 3.25	< 3.5	< 5.18		5.18 UJ	< 6.24	< 9.75	< 3.28	< 3.75	1.71 J	0.56 UJ	< 3.93	0.69 UJ	< 2.5	< 3.86	1.92 J	
		8/14/08		< 4.8	< 12	< 14	< 4.8	< 3.6	< 3.5		< 5.3	< 13	6.3 J	< 6.8	< 5.3	< 3.6	< 4.1	< 4.4	< 5.3		< 5.3	< 64		5 J	< 7.3
		8/15/08		< 4.4	< 11	< 12	< 4.4	< 3.3	< 3.2		< 4.9	< 12	3.9 J	< 6.3	< 4.9	< 3.3	< 3.8	< 4	< 4.9		< 4.9	< 59		12	< 6.7
		7/16/09		< 6.5	< 16	< 18	< 6.5	< 4.9	< 4.8		< 72	< 36	7.8 J	< 9.2	< 7.2	< 4.9	< 5.5	2.7 J	< 7.2		< 7.2	< 86		3.9 J	< 9.8
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	5.8 J	< 3.8	< 3	< 2	< 2.3	1.7 J	< 3		< 3	< 36		3.2 J	< 6.1
		1/14/10 - DUP		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	5.8 J	< 3.8	< 3	< 2	< 2.3	1.9 J	< 3		< 3	< 36		3.2 J	< 6.1
		7/14/10		< 4.1	< 10	< 17	< 4.1	< 3.1	< 3		< 46	< 23	3.8 J	< 5.8	< 4.6	< 3.1	< 3.5	< 3.7	< 4.6		< 4.6	< 55		11	< 9.3
		7/14/10 - DUP		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3		< 46	< 23	4.3 J	< 5.9	< 4.6	< 3.1	< 3.5	< 3.8	< 4.6		< 4.6	< 55		13	< 9.4
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.8 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		5.8	< 6.1
		7/15/11		5.7	< 6.9	1.4 J	< 2.7	< 2	2.4		< 30	< 15	2.3 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.1 J	< 6.1
		9/7/11		19	< 0.69	6.6 J	< 0.27	0.72 J	22		< 3	< 1.5	4.5 J	< 0.38	< 0.3	< 0.2	< 0.23	1.5 J	< 0.3		< 0.3	< 3.6		12	< 0.61
		10/26/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		1.5 J	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.1 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.5	< 6.1
		7/11/12		1.1 J	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		5.1	< 6.1
		1/16/13		1.1 J	< 69	1.5 J	< 27	< 20	1 J		< 300	< 150	3.2 J	< 38	< 30	< 20	< 23	1 J	< 30		< 30	< 360		3.6 J	< 61
		1/16/13 - DUP		0.85 J	< 69	1 J	< 27	< 20	< 20		< 300	< 150	2.5 J	< 38	< 30	< 20	< 23	0.77 J	< 30		< 30	< 360		4.1 J	< 61
		7/17/13		0.52 J	< 69	0.56 J	< 27	< 20	< 20		< 300	< 150	1.5 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		3 J	< 61
		1/15/14		< 2.7	< 6.9	0.68 J	< 2.7	< 2	< 2		< 30	< 15	3.2 J	< 3.8	< 3	< 2	< 2.3	0.89 J	< 3		< 3	< 36		5.3	< 6.1
	AAI-02	2/7/07	< 7.16	< 5.73	< 7.23	< 8.05	< 5.67	< 4.26	< 4.21	< 4.55	< 6.72		0.66 UJ	< 8.09	< 12.66	< 4.26	< 4.87	< 5.22	< 12.66	< 5.1	< 12.66	< 3.24	< 5.01	0.96 J	
		2/8/07	< 7.05	< 5.64	< 7.12	< 7.93	< 5.58	< 4.2	< 4.15	< 4.48	< 6.61		6.85 UJ	< 7.97	< 12.46	< 4.2	< 4.79	2.15 UJ	0.67 UJ	< 5.02	1.04 UJ	< 3.19	< 4.93	1.75 J	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	2.8 J	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		7.1	< 7
		8/15/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	< 8.4	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		5.6	< 7
		7/16/09		< 4.1	< 10	< 11	< 4.1	< 3	< 3		< 45	< 22	20	< 5.8	< 4.5	< 3	< 3.5	7.6	< 4.5		< 4.5	< 54		5.8	< 6.1
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	1.7 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.6 J	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3		< 46	< 23	3.2 J	< 5.9	< 4.6	< 3.1	< 3.5	< 3.8	< 4.6		< 4.6	< 55		10	< 9.4
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	6.3 J	2 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		5.9	< 6.1
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	1.8 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		6.8	< 6.1
		7/15/11		11	< 6.9	2.2 J	< 2.7	< 2	4.6		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		1.6 J	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.2 J	< 6.1
		7/11/12		2.6 J	< 6.9	< 11	< 2.7	< 2	0.93 J		< 30	< 15	1.7 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.5 J	< 6.1
		1/16/13		< 27	< 69	0.64 J	< 27	< 20	< 20	0	< 300	< 150	1.6 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		3.7 J	< 61
		7/17/13		6.8	< 69	0.66 J	< 27	< 20	< 20		< 300	< 150	5.4 J	< 38	< 30	< 20	< 23	1.4 J	< 30		< 30	< 360		7.6	< 61
		1/15/14		0.97 J	< 6.9	0.6 J	< 2.7	< 2	< 2		< 30	< 15	2.2 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		5.6	< 6.1
	AAI-03	2/7/07	< 7.34	< 5.87	< 7.42	< 8.26	< 5.82	< 4.37	0.53 J	< 4.66	< 6.89		3.5 J	< 8.3	< 12.98	< 4.37	< 4.99	1.09 J	< 12.98	< 5.23	0.79 J	< 3.32	< 5.13	2.82	
		2/8/07	< 6.9	< 5.91	0.86 UJ	< 8.31	< 5.85	< 4.11	0.6 J	< 4.69	< 6.93		7.38 J	< 7.8	< 13.06	< 4.4	< 4.69	1.15 UJ	< 13.06	< 5.26	< 12.2	0.76 J	< 5.16	1.38 J	
		8/14/08		< 5.8	< 15	< 16	< 5.8	< 4.3	< 4.2		< 6.5	< 16	< 11	< 8.2	< 6.4	< 4.3	< 4.9	< 5.3	< 6.4		< 6.4	< 77		8.3	< 8.8
		8/15/08		< 6	< 15	< 17	< 6	< 4.5	< 4.4		< 6.6	< 16	5 J	< 8.5	< 6.6	< 4.5	< 5.1	< 5.4	< 6.6		< 6.6	< 79		7	< 9
		7/16/09		< 5.9	< 15	< 17	< 5.9	< 4.4	< 4.3		< 66	< 32	13	< 8.4	< 6.6	< 4.4	< 5	4.6 J	< 6.6		< 6.6	< 79		6.2 J	< 8.9
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	1.7 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		3 J	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3.1		< 46	< 23	< 11	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		7.9	< 9.5
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.3 J	< 6.1
		7/5/11		11	< 6.9	2.1 J	< 2.7	< 2	4.6		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		1.6 J	< 6.1
		7/15/11 - Dup		11	< 6.9	2.1 J	< 2.7	< 2	4.6		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		1.4 J	< 6.1
		9/7/11		28	< 0.69	9.4 J	< 0.27	1.1 J	32		< 3	< 1.5	2 J	< 0.38	< 0.3	< 0.2	< 0.23	< 0.25	< 0.3		< 0.3	< 3.6		12	< 0.61
		10/26/11		2.3 J	< 6.9	< 11	< 2.7	< 2	1 J		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.3 J	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.9	< 6.1
		7/11/12		1.9 J	< 6.9	< 11	< 2.7	< 2	0.74 J		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		3.8 J	< 6.1
		7/11/12 - DUP		2 J	< 6.9	< 11	< 2.7	< 2	0.71 J		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.6 J	< 6.1
		1/16/13		2.5 J	< 69	2 J	< 27	< 20	1.8 J		< 300	< 150	1.4 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		2.4 J	< 61
		7/17/13		2.3 J	< 69	0.72 J	< 27	< 20	< 20		< 300	< 150	8.8	< 38	< 30	< 20	< 23	2.2 J	< 30		< 30	< 360		6	< 61
		7/17/13		2.1 J	< 69	0.72 J	< 27	< 20	< 20		< 300	< 150	8.3	< 38	< 30	< 20	< 23	2.2 J	< 30		< 30	< 360		6.4	< 61
		1/15/14		1.2 J	< 6.9	0.68 J	< 2.7	< 2	< 2		< 30	< 15	3.1 J	< 3.8	< 3	< 2	< 2.3	1.1 J	< 3		< 3	< 36		5.4	< 6.1
	AAI-04	2/7/07	< 7.09	< 5.67	< 7.16	< 7.97	< 5.61	< 4.22	< 4.17	< 4.5	< 6.65		6.79 J	< 8.01	0.76 UJ	< 4.22	< 4.82	2.37 J	0.79 J	< 5.05	1.04 UJ	< 3.21	< 4.96	3.47	
		2/8/07	< 7.04	< 5.64	< 7.12	< 7.92	< 5.58	< 4.2	< 4.15	< 4.47	< 6.61		4.37 UJ	< 7.97	< 12.46	< 4.2	< 4.79	1.74 UJ	< 12.46	< 5.02	0.7 J	< 3.19	< 4.93	1.51 J	
		8/14/08		< 4.1	< 10	< 11	< 4.1	< 3	< 3		< 4.5	< 11	< 7.4	< 5.8	< 4.5	< 3	< 3.5	< 3.7	< 4.5		< 4.5	< 54		6.6	< 6.1
		8/15/08		< 5.4	< 14	< 15	< 5.4	< 4	< 3.9		< 6	< 15	< 9.8	< 7.6	< 6	< 4	< 4.6	< 4.9	< 6		< 6	< 72		< 5.9	< 8.2
		7/16/09		< 6.5	< 16	< 18	< 6.5	< 4.8	< 4.7		< 71	< 35	< 12	< 9.1	< 7.1	< 4.8	< 5.5	< 5.8	< 7.1		< 7.1	< 85		3.4 J	< 9.7
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	1.8 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.7 J	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.2		< 48	< 24	< 12	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 57		2.9 J	< 9.8
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.8 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		5.2	< 6.1
		7/15/11		1.7 J	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		3.5 J	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.8 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		1.9 J	< 6.1
		1/16/13		0.88 J	< 69	1.2 J	< 27	< 20	< 20		< 300	< 150	2.2 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		2.3 J	< 61
		7/17/13		< 27	< 69	0.57 J	< 27	< 20	< 20		< 300	< 150	1.1 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	220		2.9 J	< 61
		1/15/14		< 2.7	< 6.9	0.69 J	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
	AAI-05	2/7/07	< 7.49	1.54 J	< 7.57	< 8.42	2.65 J	< 4.46	< 4.41	< 4.75	< 7.03		16.93	< 8.47	< 13.24	< 4.46	< 5.09	6.05	0.74 J	< 5.34	1.13 UJ	< 3.39	< 5.24	3.83	
		2/8/07	< 6.97	1.27 J	0.9 UJ	< 7.84	< 5.52	< 4.15	< 4.1	< 4.43	< 6.54		14.42	< 7.89	1.76 J	0.44 J	< 4.74	5.39	1.72 UJ	< 4.97	2.25 J	0.88 J	< 4.88	2.05 J	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	5.3 J	< 6.6	< 5.2	< 3.5	< 4	< 4.2	< 5.2		< 5.2	< 62		4.8 J	< 7
		8/15/08		< 6.1	< 15	< 17	< 6.1	< 4.5	< 4.4		< 6.7	< 16	< 11	< 8.5	< 6.7	< 4.5	< 5.1	< 5.5	< 6.7		< 6.7	< 80		3.2 J	< 9.1
		7/16/09		< 4.2	< 11	< 12	< 4.2	< 3.1	< 3.1		< 46	< 23	2.9 J	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		4 J	< 6.3
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.2 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		3.7 J	< 6.1
		7/14/10		< 4.5	< 11	< 19	< 4.5	< 3.3	< 3.3		< 50	< 24	< 12	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		7 J	< 10
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	3.6 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.7	< 6.1
		7/15/11		2.1 J	< 6.9	< 11	< 2.7	< 2	0.79 J		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		0.8 J	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.4	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	2.4 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		2.2 J	< 6.1
		1/16/13		1.3 J	< 69	0.99 J	< 27	< 20	< 20		< 300	< 150	2.1 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		2 J	< 61
		7/17/13		0.62 J	< 69	0.59 J	< 27	< 20	< 20		< 300	< 150	2.2 J	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		2.9 J	< 61
		1/15/14		< 2.7	< 6.9	0.65 J	< 2.7	< 2	< 2		< 30	< 15	1.9 J	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		4.2 J	< 6.1

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1,4-Dioxane	2,2-Dichloropropane	2-Butanone	2-Hexanone
		CHHSL		3210												0.195									
		RSL	1.7		0.21	130000	0.77	7.7	880		1.3	8.8	31	0.02	880		1.2				1.1	1.6		22000	
Indoor Samples	AAI-06	2/7/07	< 7.3	**4.19 J**	< 7.38	**1.18 J**	< 5.79	< 4.35	**2.76 J**	< 4.64	< 6.85		**5.59 J**	< 8.26	< 12.92	< 4.35	< 4.96	**2.1 J**	**0.7 J**	< 5.2	**0.91 UJ**	**0.77 J**	< 5.11	**3.34**	
		2/8/07	< 7.54	**2.44 J**	< 7.62	< 8.48	< 5.97	< 4.49	**1.87 J**	< 4.79	< 7.07		**10.82 J**	< 8.52	< 13.33	< 4.49	< 5.12	**3.08 J**	< 13.33	< 5.37	< 13.33	< 3.41	< 5.27	**1.61 J**	
		8/14/08		< 6	< 15	< 17	< 6	< 4.4	< 4.3		< 6.6	< 16	**9.3 J**	< 8.4	< 6.6	< 4.4	< 5.1	< 5.4	< 6.6		< 6.6	< 79		**10**	< 9
		8/14/08 - DUP		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.8	< 12	**7 J**	< 6.1	< 4.7	< 3.2	< 3.7	< 3.9	< 4.7		< 4.7	< 57		**12**	< 6.5
		8/15/08		< 6.2	< 16	< 17	< 6.2	< 4.6	< 4.5		< 6.8	< 17	**4.5 J**	< 8.7	< 6.8	< 4.6	< 5.2	< 5.6	< 6.8		< 6.8	< 81		< 6.7	< 9.3
		8/15/08 - DUP		< 4.8	< 12	< 13	< 4.8	< 3.5	< 3.5		< 5.3	< 13	**6.2 J**	< 6.7	< 5.3	< 3.5	< 4	< 4.3	< 5.3		< 5.3	< 63		**2.9 J**	< 7.2
		7/16/09		< 4.1	< 10	< 12	< 4.1	< 3.1	< 3		< 46	< 23	**5.7 J**	< 5.8	< 4.6	< 3.1	< 3.5	< 3.7	< 4.6		< 4.6	< 55		**3.4 J**	< 6.2
		7/16/09 - DUP		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 47	< 23	**4 J**	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**3.5 J**	< 6.4
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**6.2 J**	< 3.8	< 3	< 2	< 2.3	**2 J**	< 3		< 3	< 36		**2.4 J**	< 6.1
		7/14/10		< 4.4	< 11	< 19	< 4.4	< 3.3	< 3.2		< 49	< 24	**4.5 J**	< 6.2	< 4.9	< 3.3	< 3.7	< 4	< 4.9		< 4.9	< 58		**2.7 J**	< 10
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**32**	< 3.8	< 3	< 2	< 2.3	**8.9**	< 3		< 3	< 36		**4.1 J**	< 6.1
		7/15/11		**0.83 J**	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**0.78 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.5 J**	< 6.1
		1/18/12 - DUP		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.6 J**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**3.2 J**	< 3.8	< 3	< 2	< 2.3	**1 J**	< 3		< 3	< 36		**2.7 J**	< 6.1
		1/16/13		< 27	< 69	< 110	< 27	< 20	< 20		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.5 J**	< 61
		7/17/13		**3**	< 69	**0.61 J**	< 27	< 20	< 20		< 300	**0.96 J**	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3.1 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.7 J**	< 2.7	< 2	< 2		< 30	< 15	**3.3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.4**	< 6.1
Outdoor Samples	AAO-01	2/7/07	< 6.87	< 5.5	< 6.94	< 7.73	< 5.44	< 4.09	< 4.04	< 4.36	< 6.45		**1.78 UJ**	< 7.77	**1.67 J**	< 4.09	< 4.67	**0.72 J**	**1.74 UJ**	< 4.9	**2.23 UJ**	**0.58 J**	< 4.81	**0.93 J**	
		2/8/07	< 7.66	< 6.13	< 7.74	< 8.61	< 6.07	< 4.56	< 4.51	< 4.86	< 7.19		**6 UJ**	< 8.66	**2.01 UJ**	< 4.56	< 5.21	**2.09 UJ**	**2.18 J**	< 5.46	**2.85 UJ**	< 3.47	< 5.36	**1.88 J**	
		8/14/08		< 4.7	< 12	< 13	< 4.7	< 3.5	< 3.4		< 5.2	< 13	< 8.4	< 6.6	< 5.1	< 3.5	< 4	< 4.2	< 5.1		< 5.1	< 62		**2.7 J**	< 7
		8/15/08		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.7	< 12	< 7.7	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.6 J**	< 6.4
		7/16/09		< 4.4	< 11	< 12	< 4.4	< 3.3	< 3.2		< 49	< 24	< 8	< 6.3	< 4.9	< 3.3	< 3.8	< 4	< 4.9		< 4.9	< 59		**3.7 J**	< 6.7
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		7/14/10		< 4.5	< 11	< 19	< 4.5	< 3.3	< 3.3		< 50	< 24	< 12	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		**1.8 J**	< 10
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.9 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.3**	< 6.1
		7/15/11		**9.6**	< 6.9	**1.6 J**	< 2.7	< 2	**4.2**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		< 4.4	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.2 J**	< 6.1
		7/11/12		**1.7 J**	< 6.9	< 11	< 2.7	< 2	**0.62 J**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.1 J**	< 6.1
		1/16/13		< 27	< 69	**0.68 J**	< 27	< 20	< 20		< 300	< 150	**1.1 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**1.9 J**	< 61
		7/17/13		**2.2 J**	< 69	**1.1 J**	< 27	< 20	< 20		< 300	**1.2 J**	**1.3 J**	< 38	**0.43 J**	< 20	< 23	< 25	< 30		**0.58 J**	< 360		**2.6 J**	< 61
		1/15/14		< 2.7	< 6.9	**0.58 J**	< 2.7	< 2	< 2		< 30	< 15	**2.6 J**	< 3.8	< 3	< 2	< 2.3	**0.75 J**	< 3		< 3	< 36		**3.1 J**	< 6.1
		1/15/14 - DUP		< 2.7	< 6.9	**0.79 J**	< 2.7	< 2	< 2		< 30	**1.3 J**	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.4 J**	< 6.1
	AAO-02	2/7/07	< 6.65	**0.56 J**	< 6.72	< 7.48	**1.91 J**	< 3.96	< 3.91	< 4.22	< 6.24		**1.51 UJ**	< 7.52	**0.7 J**	< 3.96	< 4.52	**0.52 J**	**0.8 UJ**	< 4.74	**1.04 UJ**	< 3.01	< 4.65	**1.34 J**	
		2/8/07	< 8.72	< 6.98	< 8.81	< 9.81	< 6.91	< 5.19	< 5.13	< 5.54	< 8.18		**4.22 J**	< 9.86	**1.34 J**	< 5.19	< 5.93	**1.75 UJ**	**1.24 J**	< 6.21	**1.65 UJ**	**3.34 J**	< 6.1	**3.22**	
		8/14/08		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 4.8	< 12	< 7.8	< 6.1	< 4.7	< 3.2	< 3.7	< 3.9	< 4.7		< 4.7	< 57		< 4.7	< 6.5
		8/15/08		< 4.8	< 12	< 14	< 4.8	< 3.6	< 3.5		< 5.3	< 13	< 8.7	< 6.8	< 5.3	< 3.6	< 4.1	< 4.4	< 5.3		< 5.3	< 64		< 5.2	< 7.3
		7/16/09		< 4.4	< 11	< 12	< 4.4	< 3.2	< 3.2		< 48	< 24	< 7.9	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 58		**3.2 J**	< 6.6
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.1 J**	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.1		< 47	< 23	< 12	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.9 J**	< 9.6
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**1.6 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**4.3 J**	< 6.1
		7/15/11		**22**	< 6.9	**3.2 J**	< 2.7	< 2	**9.4**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.4 J**	< 6.1
		9/7/11		**23**	< 0.69	**8.4 J**	< 0.27	**0.91 J**	**28**		< 3	< 1.5	< 0.74	< 0.38	< 0.3	< 0.2	< 0.23	< 0.25	< 0.3		< 0.3	< 3.6		**6.2**	< 0.61
		10/26/11		**21**	< 6.9	**2.4 J**	< 2.7	< 2	**11**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.5 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.5 J**	< 6.1
		7/11/12		**7.6**	< 6.9	**1.6 J**	< 2.7	< 2	**2.9**		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.2 J**	< 6.1
		1/16/13		**17**	< 69	**5.3 J**	< 27	**0.37 J**	**9.2**		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**2.1 J**	< 61
		7/17/13		**10**	< 69	**1.6 J**	< 27	< 20	**3.5**		< 300	< 150	**1.7 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**3.2 J**	< 61
		1/15/14		**0.46 J**	< 6.9	**0.69 J**	< 2.7	< 2	< 2		< 30	< 15	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.5**	< 6.1
	AAO-03	2/7/07	< 5.79	< 5.62	< 5.85	< 6.52	**2.02 J**	< 4.19	< 3.41	< 3.68	< 6.6		**1.5 J**	< 6.55	**0.64 J**	< 4.19	< 3.94	**0.58 J**	**0.63 J**	< 5.01	**0.85 J**	< 2.62	< 4.05	**1.24 J**	
		2/8/07	< 8.17	< 6.53	< 8.25	< 9.19	< 6.47	< 4.86	< 4.81	< 5.19	< 7.66		**2.9 UJ**	< 9.24	**0.78 UJ**	< 4.86	< 5.55	**0.95 UJ**	**0.95 UJ**	< 5.82	**1.31 UJ**	< 3.7	< 5.71	**1.61 J**	
		8/14/08		< 4.5	< 11	< 13	< 4.5	< 3.3	< 3.3		< 5	< 12	< 8.1	< 6.3	< 5	< 3.3	< 3.8	< 4.1	< 5		< 5	< 59		**11**	< 6.8
		8/15/08		< 4.9	< 12	< 14	< 4.9	< 3.6	< 3.6		< 5.4	< 13	< 8.8	< 6.9	< 5.4	< 3.6	< 4.2	< 4.4	< 5.4		< 5.4	< 65		< 5.3	< 7.4
		7/16/09		< 4.2	< 11	< 12	< 4.2	< 3.1	< 3.1		< 46	< 23	< 7.6	< 5.9	< 4.6	< 3.1	< 3.6	< 3.8	< 4.6		< 4.6	< 55		**3.2 J**	< 6.3
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**2.1 J**	< 6.1
		7/14/10		< 4.3	< 11	< 18	< 4.3	< 3.2	< 3.1		< 47	< 23	< 12	< 6	< 4.7	< 3.2	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**2.1 J**	< 9.6
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**4.1 J**	< 3.8	< 3	< 2	< 2.3	**1 J**	< 3		< 3	< 36		**3.5 J**	< 6.1
		7/15/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**0.63 J**	< 6.1
		1/18/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.2 J**	< 6.1
		7/11/12		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		1/16/13		< 27	< 69	**0.63 J**	< 27	< 20	< 20		< 300	< 150	**1.4 J**	< 38	< 30	< 20	< 23	< 25	< 30		< 30	< 360		**1.9 J**	< 61
		7/17/13		< 27	< 69	**0.56 J**	< 27	< 20	< 20		< 300	< 150	**2.9 J**	< 38	< 30	< 20	< 23	**0.75 J**	< 30		< 30	< 360		**2.9 J**	< 61
		1/15/14		**0.56 J**	< 6.9	**0.71 J**	< 2.7	< 2	< 2		< 30	< 15	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**5.7**	< 6.1
	AAO-04	2/7/07	< 7.16	< 5.73	< 7.23	< 8.05	< 5.67	< 4.26	< 4.21	< 4.55	< 6.72		**0.96 UJ**	< 8.09	< 12.66	< 4.26	< 4.87	< 5.22	< 12.66	< 5.1	< 12.66	< 3.24	< 5.01	**0.67 J**	
		2/8/07	< 7.99	< 6.4	< 8.08	< 8.99	< 6.33	< 4.76	< 4.7	< 5.08	< 7.5		**2.68 UJ**	< 9.04	< 14.14	< 4.76	< 5.43	**0.81 UJ**	< 14.14	< 5.7	**0.8 UJ**	< 3.62	< 5.59	**1.56 J**	
		8/14/08		< 5	< 13	< 14	< 5	< 3.7	< 3.6		< 5.5	< 14	< 9	< 7.1	< 5.5	< 3.7	< 4.3	< 4.5	< 5.5		< 5.5	< 66		**3.4 J**	< 7.5
		8/15/08		< 4.4	< 11	< 12	< 4.4	< 3.2	< 3.2		< 4.8	< 12	< 7.9	< 6.1	< 4.8	< 3.2	< 3.7	< 3.9	< 4.8		< 4.8	< 58		**2.2 J**	< 6.6
		7/16/09		< 4.3	< 11	< 12	< 4.3	< 3.2	< 3.1		< 47	< 23	< 7.7	< 6	< 4.7	< 3.2	< 3.6	< 3.9	< 4.7		< 4.7	< 57		**4.5 J**	< 6.4
		1/14/10		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**1.9 J**	< 6.1
		7/14/10		< 4.2	< 11	< 18	< 4.2	< 3.1	< 3.1		< 47	< 23	< 11	< 6	< 4.7	< 3.1	< 3.6	< 3.8	< 4.7		< 4.7	< 56		**1.7 J**	< 9.5
		1/12/11		< 2.7	< 6.9	< 11	< 2.7	< 2	< 2		< 30	< 15	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3		< 3	< 36		**3.3 J**	< 6.1
		7/15/11	No Sample																						
		1/18/12	No Sample																						
		7/11/12	No Sample																						
		1/16/13	No Sample																						
		7/17/13	No Sample																						
		1/15/14	No Sample																						

Notes
All data reported in micrograms per cubic meter (µg/m³)
J - Estimated value
E - Concentration exceeds the calibration rang
Bold - reported value exceeds method detection limit
Bold-highlight - reported value exceeds CHHSL or RSL
CHHSL - California Human Health Screening Leve
RSL - EPA Regional Screening Level

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Benzyl Chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Dichlorodifluoromethane	Dichloromethane	Dichlorotetrafluoroethane	Diisopropyl Ether	Ethanol	Ethyl Acetate	Ethylbenzene
		CHHSL				0.141								0.0973					51.1								1.6
		RSL		13000	140000		0.25	180	0.33	11	22	3.1	3100		220	44000	0.53	390		0.45	440	1200		3100			
Indoor Samples	AAI-01	2/7/07	1.91 J	0.89 J	68.76	2.96 J		< 5.66	< 5.62	< 10.08	< 4.15	< 4.9		< 6.87	< 5.04	< 2.82	< 5.25	2 J	< 4.28	< 7.86	3.33 J	40.1	< 7.48				3 J
		2/8/07	2.05 UJ	< 2.97	39.25	3.85		< 4.25	< 4.22	< 7.57	< 3.12	< 3.68		< 5.16	< 3.78	< 2.12	< 3.95	1.41 J	< 3.21	< 5.9	2.25 J	33.65	< 5.62				3.88
		8/14/08	< 4.4	< 7.3	330	1.7 J	< 9.2		< 5.9	< 9.1	< 3.4	< 4	< 2.8	< 5.6	< 4.1	< 2.3	< 4.3	2.1	< 3.5	< 7.5	< 4.4	460	< 25	< 15	21	< 64	< 3.8
		8/15/08	< 4	< 6.7	180	< 2.6	2.5 J		< 5.5	< 8.4	< 3.2	< 3.7	< 2.5	< 5.1	< 3.8	< 2.2	< 4	2.6	< 3.2	< 6.9	< 4	390	< 23	< 14	15 J	< 59	< 3.5
		7/16/09	2.5 J	< 9.8	230	< 3.8	< 12		< 8	< 12	< 4.7	< 5.4	< 15	< 7.5	< 5.5	< 3.2	< 5.9	1.9 J	< 4.8	< 10	3.3 J	19	< 34	< 20	42	< 86	< 5.2
		1/14/10	1.8 J	< 6.1	87	2.2	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4	14 J	< 14	< 8.4	94	< 36	1.4 J
		1/14/10 - DUP	2 J	< 6.1	85	2.3	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4	13 J	< 14	< 8.4	94	< 36	1.5 J
		7/14/10	< 3.7	< 9.3	48	1.2 J	6.1 J		< 5.1	< 7.9	< 3	< 3.4	< 9.5	< 4.8	< 3.5	< 2	5.4	3.1	< 3	< 6.5	3.4 J	71	< 21	< 13	55	< 55	< 3.3
		7/14/10 - DUP	< 3.8	< 9.4	57	1.3 J	6.7 J		< 5.1	< 7.9	< 3	< 3.5	< 9.5	< 4.8	< 3.5	< 2	< 3.7	< 1.6	< 3	< 6.5	< 3.8	76	< 21	< 13	70	< 55	< 3.3
		1/12/11	< 2.5	< 6.1	67	2.3	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3.2	37	< 14	< 8.4	67	< 36	2.4
		7/15/11	0.96 J	< 6.1	40	3.7	< 7.8		< 3.4	3.7 J	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	2.7	21	< 14	< 8.4	54	< 36	3.6
		9/7/11	2.3 J	0.93 J	110	2.9	< 0.78		< 0.34	< 0.52	< 0.19	< 0.23	< 0.62	< 0.31	< 0.23	< 0.13	< 0.24	2	< 0.2	< 0.43	3.1	64	< 1.4	< 0.84	320	< 3.6	2.6
		10/26/11	< 2.5	< 6.1	26	1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.8	13 J	< 14	< 8.4	24	< 36	0.71 J
		1/18/12	< 2.5	< 6.1	56	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.3	< 2	< 4.3	3.2	7.8 J	< 14	< 8.4	94	< 36	1.5 J
		7/11/12	< 2.5	< 6.1	39	1.2 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	27	< 36	0.73 J
		1/16/13	1.2 J	< 61	150	2.3	< 78		< 34	< 52	< 19	< 23	< 62	0.5 J	< 23	< 13	< 24	1.4	< 20	< 43	2.7	15 J	< 140	< 84	67	< 360	1.7 J
		1/16/13 - DUP	0.8 J	< 61	120	1.9	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	1.4	< 20	< 43	2.7	11 B,J	< 140	< 84	60	< 360	1.3 J
		7/17/13	< 25	< 61	57	1.4 J	< 78		< 34	< 52	< 19	< 23	< 62	0.46 J	< 23	< 13	< 24	1.1	< 20	< 43	2.8	7.7 U	< 140	< 84	37	< 360	0.9 J
		1/15/14	0.97 J	< 6.1	370	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.59 J	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	4.4	12 J	< 14				1.8 J
	AAI-02	2/7/07	0.55 J	0.49 J	21.39	1.55 J		< 5.51	< 5.48	< 9.83	< 4.05	< 4.78		< 6.69	< 4.91	< 2.75	< 5.12	0.94 J	< 4.17	< 7.66	2.04 J	23.03	< 7.29				1.04 J
		2/8/07	2.77 J	< 3.79	35.7	3.44		< 5.43	< 5.39	< 9.67	< 3.98	< 4.7		< 6.59	< 4.84	< 2.71	< 5.04	2.6	< 4.11	< 7.54	2.9 J	170.74 E	< 7.18				3.58 UJ
		8/14/08	< 4.2	< 7	37	< 2.7	< 8.9		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	1.9	< 3.4	< 7.3	< 4.2	1500	< 24	< 14	16 J	< 62	< 3.7
		8/15/08	< 4.2	< 7	20	< 2.7	5.1 J		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	3.1	< 3.4	< 7.3	< 4.2	380	< 24	< 14	9.5 J	< 62	< 3.7
		7/16/09	7.2	< 6.1	39	1.5 J	13		< 5	< 7.8	< 2.9	< 3.4	< 9.3	< 4.7	< 3.5	< 2	< 3.7	3.9	< 3	< 6.4	3.6 J	16 J	< 21	< 13	9.4 J	< 54	1.4 J
		1/14/10	< 2.5	< 6.1	30	1.9	2.6 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.2	< 2	< 4.3	3.7	8.6 J	< 14	< 8.4	17	< 36	1.2 J
		7/14/10	< 3.8	< 9.4	17	< 2.4	13		< 5.1	< 7.9	< 3	< 3.5	< 9.5	< 4.8	< 3.5	< 2	< 3.7	3.8	< 3	< 6.5	2.6 J	15 J	< 21	< 13	10 J	< 55	< 3.3
		1/12/11	< 2.5	< 6.1	35	2.1	4.1 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	3.1	28	< 14	< 8.4	44	< 36	1.3 J
		1/12/11	< 2.5	< 6.1	36	2.2	4 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2	< 2	< 4.3	3.1	28	< 14	< 8.4	44	< 36	1.5 J
		7/15/11	< 2.5	< 6.1	15	0.85 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	0.49 J	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.7	6.8 J	< 14	< 8.4	7.3 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	84	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2.2	< 2	< 4.3	3.1	6.8 J	< 14	< 8.4	25	< 36	1.6 J
		7/11/12	0.98 J	< 6.1	32	6.3	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.3 J	< 17	< 14	< 8.4	14	< 36	2.1 J
		1/16/13	< 25	< 61	37	2.8	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	0.43 J	1.5	< 20	< 43	2.7	2.7 J	< 140	< 84	44	< 360	1.3 J
		7/17/13	1.5 J	< 61	440	1.3 J	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.1	< 20	< 43	2.9	3.6 J	< 140	< 84	21	< 360	1.3 J
		1/15/14	< 2.5	< 6.1	3300	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.61 J	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	4.7	4.1 U	< 14				1.7 J
	AAI-03	2/7/07	1.76 J	0.88 J	28.23	2.6 J		< 5.66	< 5.62	< 10.08	< 4.15	< 4.9		< 6.87	< 5.04	< 2.82	< 5.25	1.79 J	< 4.28	< 7.86	3.36 J	40.82	< 7.48				2.25 J
		2/8/07	2.73 UJ	< 3.71	20.07	4.19		< 5.69	< 5.28	< 10.14	< 3.9	< 4.61		< 6.91	< 4.73	0.33 J	< 4.94	2.95	< 4.02	< 7.9	3.14 J	257.71 E	< 7.52				2.15 UJ
		8/14/08	< 5.3	< 8.8	51	< 3.4	3.6 J		< 7.2	< 11	< 4.2	< 4.9	< 3.3	< 6.7	< 4.9	< 2.8	< 5.2	2.3	< 4.2	< 9.1	< 5.3	1400	< 30	< 18	23	< 77	< 4.6
		8/15/08	< 5.4	< 9	29	< 3.5	7.4 J		< 7.4	< 11	< 4.3	< 5	< 3.4	< 6.9	< 5.1	< 2.9	< 5.4	3.7	< 4.4	< 9.4	< 5.4	510	< 31	< 18	23	< 79	< 4.8
		7/16/09	4.2 J	< 8.9	43 J	1.8 J	15 J		< 7.3	< 11	< 4.2	< 4.9	< 14	< 6.9	< 5	< 2.9	< 5.3	5.2 J	< 4.3	< 9.3	< 5.4	20 J	< 30	< 18	19 J	< 79	< 4.7
		1/14/10	< 2.5	< 6.1	31	1.9	4.2 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	3.2	< 2	< 4.3	3.7	12 J	< 14	< 8.4	20	< 36	1.3 J
		7/14/10	< 3.8	< 9.5	19	< 2.5	16		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	4	< 3.1	< 6.6	2.6 J	17 J	< 22	< 13	13 J	< 55	1.4 J
		1/12/11	< 2.5	< 6.1	30	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	3.1	17 J	< 14	< 8.4	50	< 36	1.2 J
		7/5/11	< 2.5	< 6.1	16	0.65 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	2.7	6.4 J	< 14	< 8.4	8.2 J	< 36	< 2.2
		7/15/11 - Dup	< 2.5	< 6.1	16	0.75 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3	6.5 J	< 14	< 8.4	8.6 J	< 36	< 2.2
		9/7/11	< 0.25	2 J	63	2.8	2.3 J		< 0.34	< 0.52	< 0.19	< 0.23	< 0.62	< 0.31	< 0.23	< 0.13	0.79 J	2.1	< 0.2	< 0.43	3.1	23	< 1.4	< 0.84	42	< 3.6	1.6 J
		10/26/11	< 2.5	< 6.1	20	1.2 J	2.5 J		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	2	1.2 J	< 4.3	2.9	12 J	< 14	< 8.4	16	< 36	< 2.2
		1/18/12	< 2.5	1.1 J	78	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	0.62 J	< 2.4	2.3	< 2	< 4.3	3.2	4.4 J	< 14	< 8.4	30	< 36	1.7 J
		7/11/12	< 2.5	< 6.1	32	1.3 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.3	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	13	< 36	1.1 J
		7/11/12 - DUP	< 2.5	< 6.1	30	1.3 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.2	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	11	< 36	1.1 J
		1/16/13	< 25	< 61	55	2.4	< 78		< 34	< 52	< 19	< 23	< 62	0.56 J	< 23	< 13	0.39 J	1.6	< 20	< 43	2.8	5.5 J	< 140	< 84	45	< 360	1.5 J
		7/17/13	2.4 J	< 61	1200	1.9	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.2	< 20	< 43	2.9	4.2 U	< 140	< 84	28	< 360	2 J
		7/17/13	2.3 J	< 61	1000	1.5 J	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	1.2	< 20	< 43	2.8	4.4 J	< 140	< 84	26	< 360	3.3
		1/15/14	0.88 J	< 6.1	1000	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.6 J	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	4.7	5.2 U	< 14				1.7 J
	AAI-04	2/7/07	3.88 J	0.71 J	37.65	2.57 J		< 5.46	< 5.42	< 9.73	< 4.01	< 4.73		< 6.63	< 4.86	0.77 J	< 5.07	1.16 J	< 4.13	< 7.59	2.77 J	41.34	< 7.22				1.71 J
		2/8/07	2.88 J	< 3.79	38.98	2.97 J		< 5.43	< 5.39	< 9.67	< 3.98	< 4.7		< 6.59	< 4.83	0.5 J	< 5.04	1.27 J	< 4.11	< 7.54	2.73 J	44.78	< 7.18				2.36 UJ
		8/14/08	< 3.7	< 6.1	55	< 2.4	< 7.8		< 5	< 7.8	< 2.9	< 3.4	< 2.3	< 4.7	< 3.5	< 2	< 3.7	1.6	< 3	< 6.4	3.5 J	100	< 21	< 13	33	< 54	< 3.3
		8/15/08	< 4.9	< 8.2	34	< 3.2	< 10		< 6.7	< 10	< 3.9	< 4.5	< 3.1	< 6.3	< 4.6	< 2.6	< 4.9	1.5 J	< 3.9	< 8.5	< 4.9	93	< 28	< 17	12 J	< 72	< 4.3
		7/16/09	< 5.8	< 9.7	45	1.7 J	< 12		< 7.9	< 12	< 4.6	< 5.4	< 15	< 7.5	< 5.5	< 3.1	< 5.8	< 2.4	< 4.7	< 10	< 5.9	11 J	< 33	< 20	10 J	< 85	< 5.1
		1/14/10	< 2.5	< 6.1	65	2.1	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.9	< 2	< 4.3	3.5	75	< 14	< 8.4	20	< 36	1.3 J
		7/14/10	< 3.9	< 9.8	28	< 2.5	< 12		< 5.3	< 8.2	< 3.1	< 3.6	< 9.9	< 5	< 3.7	< 2.1	< 3.9	1.4 J	< 3.2	< 6.8	2.6 J	27 J	< 22	< 13	11 J	< 57	< 3.5
		1/12/11	< 2.5	< 6.1	41	2.1	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.4	< 2	< 4.3	3.1	22	< 14	< 8.4	45	< 36	1.3 J
		7/15/11	< 2.5	< 6.1	17	0.51 J	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.7	< 17	< 14	< 8.4	6.8 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	47	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	3.1	< 17	< 14	< 8.4	27	< 36	1.1 J
		7/11/12	1.2 J	< 6.1	28	2.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.2 J	< 17	< 14	< 8.4	13	< 36	3.3
		1/16/13	0.82 J	< 61	69	3.4	< 78		< 34	< 52	< 19	< 23	< 62	0.49 J	< 23	< 13	< 24	0.59 J	< 20	< 43	< 25	27	< 140	< 84	46	< 360	2.5
		7/17/13	< 25	< 61	51	2.1	< 78		< 34	< 52	< 19	< 23	< 62	0.43 J	< 23	< 13	< 24	1.2	0.96 J	< 43	2.7	7.3 J	< 140	< 84	21	< 360	1.2 J
		1/15/14	< 2.5	< 6.1	28	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.6 J	< 2.3	< 1.3	< 2.4	1.5	< 2	< 4.3	4.5	10 J	< 14				1.6 J
	AAI-05	2/7/07	11.41	1.01 J	139.77 E	3.57		< 5.77	< 5.73	< 10.28	< 4.23	< 5		< 7	< 5.14	1.19 J	< 5.36	1.77 J	< 4.36	< 8.01	3.95 J	346.17 E	< 7.63				2.81 J
		2/8/07	9.06	1.09 J	145.67 E	3.95		< 5.37	< 5.34	< 9.57	< 3.94	< 4.66		< 6.52	0.5 J	0.74 J	< 4.99	1.82 J	< 4.06	< 7.46	3.1 J	377.26 E	< 7.1				3.75 J
		8/14/08	3.7 J	< 7	170	< 2.7	< 8.9		< 5.8	< 8.9	< 3.3	< 3.9	< 2.7	< 5.4	< 4	< 2.3	< 4.2	1.5 J	< 3.4	< 7.3	< 4.3	900	< 24	< 14	22	< 62	< 3.7
		8/15/08	< 5.5	< 9.1	41	< 3.5	< 11		< 7.4	< 11	< 4.3	< 5	< 3.5	< 7	< 5.1	< 2.9	< 5.4	2.4	< 4.4	< 9.5	< 5.5	140	< 31	< 19	18 J	< 80	< 4.8
		7/16/09	< 3.8	< 6.3	120	2.8	< 8		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	2	< 3.1	< 6.6	4.4	140	< 22	< 13	11 J	< 55	< 3.3
		1/14/10	< 2.5	< 6.1	140	2.2	2.5 J		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	0.54 J	< 2.4	2.5	< 2	< 4.3	3.7	240	< 14	< 8.4	22	< 36	1.6 J
		7/14/10	< 4.1	< 10	160	< 2.6	6.4 J		< 5.5	< 8.5	< 3.2	< 3.7	< 10	< 5.2	< 3.8	< 2.2	< 4	3.5	< 3.3	< 7	3.7 J	360	< 23	< 14	18	< 59	< 3.6
		1/12/11	< 2.5	< 6.1	54	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.6	< 2	< 4.3	3.1	64	< 14	< 8.4	47	< 36	1.4 J
		7/15/11	< 2.5	< 6.1	52	< 1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.1	< 2	< 4.3	2.7	25	< 14	< 8.4	7.3 J	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	130	2.2	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	3.2	13 J	< 14	< 8.4	27	< 36	1.3 J
		7/11/12	1.2 J	0.71 J	83	18	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	1.7 J	< 2.3	< 1.3	< 2.4	1.2	< 2	< 4.3	2.3 J	4.8 J	< 14	< 8.4	14	< 36	8.1
		1/16/13	< 25	< 61	100	2.9	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	1.2	< 20	< 43	2.7	54 B	< 140	< 84	37	< 360	2 J
		7/17/13	< 25	< 61	120	2	< 78		0.5 J	< 52	< 19	< 23	< 62	0.45 J	< 23	< 13	< 24	1.1	< 20	< 43	2.7	94	< 140	< 84	20	< 360	1.1 J
		1/15/14	< 2.5	< 6.1	160	2.5	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	0.61 J	< 2.3	< 1.3	< 2.4	1.8	< 2	< 4.3	4.7	17 J	< 14				1.8 J

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Benzyl Chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Dichlorodifluoromethane	Dichloromethane	Dichlorotetrafluoroethane	Diisopropyl Ether	Ethanol	Ethyl Acetate	Ethylbenzene
		CHHSL				0.141								0.0973					51.1								1.6
		RSL		13000	140000		0.25	180	0.33	11	22	3.1	3100		220	44000	0.53	390		0.45	440	1200		3100			
Indoor Samples	AAI-06	2/7/07	**3.67 J**	**0.76 J**	**31.11**	**11.84**		< 5.63	< 5.59	< 10.03	< 4.13	< 4.88		< 6.83	< 5.01	< 2.81	< 5.23	**1 J**	< 4.26	< 7.82	**3.1 J**	165.46 E	< 7.44				**10.97**
		2/8/07	**4.12 J**	**0.73 J**	**25.55**	**4.8**		< 5.81	< 5.77	< 10.35	< 4.26	< 5.03		< 7.05	< 5.17	**0.37 J**	< 5.4	**0.8 J**	< 4.39	< 8.07	**2.71 J**	**70.26**	< 7.68				**6.52**
		8/14/08	< 5.4	< 9	**59**	**4.8**	< 11		< 7.3	< 11	< 4.3	< 5	< 3.4	< 6.9	< 5	< 2.9	< 5.3	< 2.3	< 4.3	< 9.3	< 5.4	**280**	< 31	< 18	**81**	< 79	**5.7**
		8/14/08 - DUP	< 3.9	< 6.5	**66**	**4**	< 8.2		< 5.3	< 8.2	< 3.1	< 3.6	< 2.5	< 5	< 3.6	< 2.1	< 3.9	**1.6 J**	< 3.1	< 6.7	**4**	**260**	< 22	< 13	**86**	**9.8 J**	**4.2**
		8/15/08	< 5.6	< 9.3	**30**	**2.2 J**	< 12		< 7.6	< 12	< 4.4	< 5.1	< 3.5	< 7.1	< 5.2	< 3	< 5.5	**1.4 J**	< 4.5	< 9.6	< 5.6	**230**	< 32	< 19	**46**	**9.4 J**	< 4.9
		8/15/08 - DUP	< 4.3	< 7.2	**37**	**2.4 J**	< 9.1		< 5.9	< 9	< 3.4	< 4	< 2.7	< 5.5	< 4	< 2.3	< 4.3	**1.3 J**	< 3.5	< 7.5	< 4.3	**210**	< 24	< 15	**57**	**12 J**	< 3.8
		7/16/09	< 3.7	< 6.2	**39**	**3**	< 7.9		< 5.1	< 7.9	< 3	< 3.4	< 9.5	< 4.8	< 3.5	< 2	< 3.7	**1.5 J**	< 3	< 6.5	**6.3**	**12 J**	< 21	< 13	**24**	**3.5 J**	**5.2**
		7/16/09 - DUP	< 3.8	< 6.4	**38**	**2.4 J**	< 8.1		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**1.3 J**	< 3.1	< 6.6	**5.2**	**9.3 J**	< 22	< 13	**27**	< 56	**3.8**
		1/14/10	**2.1 J**	< 6.1	**34**	**2.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.8**	**17 J**	< 14	< 8.4	**30**	< 36	**6.3**
		7/14/10	< 4	< 10	**25**	< 2.6	< 13		< 5.4	< 8.4	< 3.1	< 3.7	< 10	< 5.1	< 3.7	< 2.1	< 4	**1.8**	< 3.2	< 6.9	**4.1**	**21 J**	< 23	< 14	**18**	< 58	**4.8**
		1/12/11	**6.7**	< 6.1	**34**	**2.2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**3.1**	**13 J**	< 14	< 8.4	**41**	< 36	**2.4**
		7/15/11	< 2.5	< 6.1	**13**	**0.56 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.9**	**4.7 J**	< 14	< 8.4	**13**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**40**	**2.1**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.5**	< 2	< 4.3	**3.6**	**9.3 J**	< 14	< 8.4	**26**	< 36	**1.1 J**
		1/18/12 - DUP	< 2.5	< 6.1	**41**	**2.1**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.5**	< 2	< 4.3	**3.4**	**9.4 J**	< 14	< 8.4	**26**	< 36	**1.1 J**
		7/11/12	**1.4 J**	< 6.1	**23**	**4.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.4 J**	**14 J**	< 14	< 8.4	**28**	**1.9 J**	**5.6**
		1/16/13	< 25	< 61	**83**	**2.3**	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	< 24	**1.2**	< 20	< 43	**2.8**	**13 BJ**	< 140	< 84	**53**	< 360	**1.9 J**
		7/17/13	< 25	< 61	**33**	**2.4**	< 78		< 34	< 52	< 19	< 23	< 62	**0.49 J**	< 23	< 13	< 24	**1.2**	< 20	< 43	**2.9**	**28**	< 140	**0.42 J**	**26**	< 360	**1.6 J**
		1/15/14	**0.85 J**	< 6.1	**94**	**2.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.5**	**6.5 U**	< 14				**1.9 J**
	AAO-01	2/7/07	**1.21 J**	**0.82 J**	**23.81**	**2.34 J**		< 5.29	< 5.26	< 9.43	< 3.88	< 4.59		< 6.43	**0.59 J**	< 2.64	< 4.92	**1.1 J**	< 4.01	< 7.36	**3.03 J**	**1.31 J**	< 7				**1.64 J**
		2/8/07	**2.5 J**	**0.92 J**	**43.9**	**5.01**		< 5.9	< 5.86	< 10.51	< 4.33	< 5.11		< 7.16	< 5.26	< 2.94	< 5.48	**1.51 J**	< 4.46	< 8.2	**4.03 J**	**3.5 J**	< 7.8				**4.62 J**
		8/14/08	< 4.2	< 7	**45**	< 2.7	< 8.9		< 5.7	< 8.8	< 3.3	< 3.9	< 2.7	< 5.4	< 3.9	< 2.3	< 4.2	**1.4 J**	< 3.4	< 7.3	< 4.2	**11 J**	< 24	< 14	**14 J**	< 62	< 3.7
		8/15/08	< 3.8	< 6.4	**26**	< 2.5	< 8.1		< 5.2	< 8.1	< 3	< 3.5	< 2.4	< 4.9	< 3.6	< 2.1	< 3.8	**1.4 J**	< 3.1	< 6.6	< 3.9	**3.9 J**	< 22	< 13	**7.7 J**	< 56	< 3.4
		7/16/09	< 4	< 6.7	**38**	**1.9 J**	< 8.4		< 5.5	< 8.4	< 3.2	< 3.7	< 10	< 5.1	< 3.8	< 2.2	< 4	**1.9**	< 3.2	< 6.9	**4.9**	**3.5 J**	< 23	< 14	**16**	< 59	< 3.5
		1/14/10	< 2.5	< 6.1	**21**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.8**	**1.3 J**	< 14	< 8.4	**13**	< 36	< 2.2
		7/14/10	< 4.1	< 10	**17**	< 2.6	< 13		< 5.5	< 8.5	< 3.2	< 3.7	< 10	< 5.2	< 3.8	< 2.2	< 4	**1.6 J**	< 3.3	< 7	**3.5 J**	< 29	< 23	< 14	**21**	< 59	< 3.6
		1/12/11	< 2.5	< 6.1	**26**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3**	**6.3 J**	< 14	< 8.4	**37**	< 36	**1.2 J**
		7/15/11	< 2.5	< 6.1	**12**	< 1.6	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.2**	< 2	< 4.3	**2.9**	< 17	< 14	< 8.4	**4.9 J**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**23**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**2.9**	< 17	< 14	< 8.4	**18**	< 36	**3.2**
		7/11/12	< 2.5	< 6.1	**27**	**6.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.2 J**	< 17	< 14	< 8.4	**12**	< 36	**3.4**
		1/16/13	< 25	< 61	**31**	**2**	< 78		< 34	< 52	< 19	< 23	< 62	**0.46 J**	< 23	< 13	< 24	**1.2**	< 20	< 43	**2.6**	**2.1 J**	< 140	< 84	**34**	< 360	**1.4 J**
		7/17/13	< 25	< 61	**25**	**1.3 J**	< 78		< 34	< 52	< 19	< 23	< 62	**0.83 J**	< 23	< 13	**0.43 J**	**1.1**	< 20	< 43	**3.1**	**2 J**	< 140	< 84	**18**	< 360	**1.4 J**
		1/15/14	< 2.5	< 6.1	**82**	**2.6**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.68 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**2.4 U**	< 14				**1.6 J**
		1/15/14 - DUP	< 2.5	< 6.1	**89**	**2.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.7 J**	< 2.3	< 1.3	< 2.4	**1.9**	< 2	< 4.3	**4.9**	**2.6 U**	< 14				**1.6 J**
	AAO-02	2/7/07	**0.91 J**	**0.84 J**	**23.08**	**2.4 J**		< 5.12	< 5.09	< 9.13	< 3.76	< 4.44		< 6.22	< 4.56	< 2.55	< 4.76	**1.12 J**	< 3.87	< 7.12	**2.88 J**	**7.52**	< 6.77				**2.05 J**
		2/8/07	**1.73 J**	< 4.69	**40.39**	**4.69**		< 6.72	< 6.67	< 11.97	< 4.93	< 5.82		< 8.16	< 5.98	< 3.35	< 6.24	**1.48 J**	< 5.08	< 9.33	**2.99 J**	**33.35**	< 8.88				**3.57 UJ**
		8/14/08	< 3.9	< 6.5	**31**	< 2.5	< 8.2		< 5.3	< 8.2	< 3.1	< 3.6	< 2.5	< 5	< 3.6	< 2.1	< 3.9	< 1.6	< 3.1	< 6.7	**3.8 J**	**74**	< 22	< 13	**15**	< 57	< 3.4
		8/15/08	< 4.4	< 7.3	**15**	< 2.8	< 9.2		< 5.9	< 9.1	< 3.4	< 4	< 2.8	< 5.6	< 4.1	< 2.3	< 4.3	**1.4 J**	< 3.5	< 7.5	< 4.4	**7.2 J**	< 25	< 15	**8.2 J**	< 64	< 3.8
		7/16/09	< 3.9	< 6.6	**31**	**1.2 J**	< 8.3		< 5.4	< 8.3	< 3.1	< 3.6	< 10	< 5	< 3.7	< 2.1	< 3.9	**1.9**	< 3.2	< 6.8	**3.4 J**	**3.9 J**	< 22	< 13	**7.3 J**	< 58	< 3.5
		1/14/10	< 2.5	< 6.1	**22**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.8**	**1.8 J**	< 14	< 8.4	**14**	< 36	< 2.2
		7/14/10	< 3.8	< 9.6	**19**	< 2.5	< 12		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**2.2**	< 3.1	< 6.6	**3.5 J**	**5.5 J**	< 22	< 13	**13 J**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**25**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.7**	< 2	< 4.3	**3.1**	**9.9 J**	< 14	< 8.4	**38**	< 36	**1 J**
		7/15/11	< 2.5	< 6.1	**14**	**1.1 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	**1.1 J**	< 4.3	**2.9**	**3.8 J**	< 14	< 8.4	**5.5 J**	< 36	**0.88 J**
		9/7/11	< 0.25	< 0.61	**50**	**1.8**	< 0.78		< 0.34	< 0.52	< 0.19	< 0.23	**0.87 J**	< 0.31	< 0.23	< 0.13	**3.9**	**1.4**	< 0.2	< 0.43	**3**	**11 J**	< 1.4	< 0.84	**31**	< 3.6	**0.96 J**
		10/26/11	< 2.5	< 6.1	**15**	**0.75 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.4**	**0.94 J**	< 4.3	**2.8**	**14 J**	< 14	< 8.4	**11**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**51**	**1.9**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**2.8**	**4.7 J**	< 14	< 8.4	**22**	< 36	**1.4 J**
		7/11/12	< 2.5	< 6.1	**20**	**2.5**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	**0.69 J**	< 4.3	**2.2 J**	< 17	< 14	< 8.4	**11**	< 36	**1.8 J**
		1/16/13	< 25	< 61	**36**	**2.1**	< 78		< 34	< 52	< 19	< 23	< 62	< 31	< 23	< 13	**0.37 J**	**1.3**	**0.84 J**	< 43	**2.5**	**4.8 J**	< 140	< 84	**36**	< 360	**1.6 J**
		7/17/13	< 25	< 61	**210**	**1.2 J**	< 78		< 34	< 52	< 19	< 23	< 62	**0.43 J**	< 23	< 13	< 24	**1**	**0.78 J**	< 43	**2.8**	**3.2 U**	< 140	< 84	**19**	< 360	**0.78 J**
		1/15/14	< 2.5	< 6.1	**2500**	**2.3**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**4.1 U**	< 14				**1.5 J**
	AAO-03	2/7/07	**1.18 J**	**0.51 J**	**20.89**	**5.08**		< 5.42	< 4.43	< 7.95	< 3.27	< 3.87		< 6.58	< 4.82	< 2.7	< 5.03	**1.14 J**	< 4.1	< 7.53	**2.96 J**	**5.73**	< 5.9				**2.19 J**
		2/8/07	**1.28 UJ**	**0.7 J**	**33.06**	**4.29**		< 6.29	< 6.25	< 11.21	< 4.62	< 5.45		< 7.64	< 5.61	< 3.14	< 5.85	**1.24 J**	< 4.76	< 8.74	**2.98 J**	**7.03**	< 8.32				**2.47 UJ**
		8/14/08	< 4.1	< 6.8	**48**	**1.9 J**	< 8.5		< 5.5	< 8.5	< 3.2	< 3.7	< 2.6	< 5.2	< 3.8	< 2.2	< 4	**1.7 J**	< 3.3	< 7	**4.2**	**72**	< 23	< 14	**39**	< 59	< 3.6
		8/15/08	< 4.4	< 7.4	**20**	< 2.9	< 9.3		< 6	< 9.3	< 3.5	< 4.1	< 2.8	< 5.7	< 4.1	< 2.4	< 4.4	**1.4 J**	< 3.6	< 7.7	< 4.5	**61 J**	< 25	< 15	**20**	< 65	< 3.9
		7/16/09	< 3.8	< 6.3	**40**	**2.1 J**	< 8		< 5.2	< 8	< 3	< 3.5	< 9.6	< 4.8	< 3.5	< 2	< 3.8	**1.9**	< 3.1	< 6.6	**5.1**	**3.9 J**	< 22	< 13	**14 J**	< 55	< 3.3
		1/14/10	< 2.5	< 6.1	**27**	**2.4**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**3.5**	**3.2 J**	< 14	< 8.4	**23**	< 36	**2.1 J**
		7/14/10	< 3.8	< 9.6	**19**	**1 J**	< 12		< 5.2	< 8.1	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2.1	< 3.8	**1.7**	< 3.1	< 6.6	**4.3**	**11 J**	< 22	< 13	**26**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**29**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	**4.2 J**	< 14	< 8.4	**40**	< 36	**0.94 J**
		7/15/11	< 2.5	< 6.1	**13**	**0.51 J**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.2**	< 2	< 4.3	**3**	< 17	< 14	< 8.4	**8.9 J**	< 36	< 2.2
		1/18/12	< 2.5	< 6.1	**34**	**2**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	**3.7 J**	< 14	< 8.4	**22**	< 36	**1.1 J**
		7/11/12	< 2.5	< 6.1	**19**	**2.8**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.1**	< 2	< 4.3	**2.3 J**	**3.9 J**	< 14	< 8.4	**16**	< 36	**1.9 J**
		1/16/13	< 25	< 61	**140**	**2.4**	< 78		< 34	< 52	< 19	< 23	< 62	**0.49 J**	< 23	< 13	< 24	**1.3**	< 20	< 43	**2.6**	**3.2 J**	< 140	< 84	**42**	< 360	**1.9 J**
		7/17/13	**0.98 J**	< 61	**29**	**3.2**	< 78		< 34	< 52	< 19	< 23	< 62	**0.48 J**	< 23	< 13	< 24	**1.1**	< 20	< 43	**2.8**	**4.6 J**	< 140	< 84	**45**	< 360	**2.5**
		1/15/14	< 2.5	< 6.1	**160**	**2.5**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.8**	< 2	< 4.3	**4.8**	**2.8 U**	< 14				**1.9 J**
	AAO-04	2/7/07	**0.6 J**	**0.43 J**	**16.07 U**	**1.39 J**		< 5.51	< 5.48	< 9.83	< 4.05	< 4.78		< 6.7	< 4.91	< 2.75	< 5.12	**2.3**	< 4.17	< 7.66	**2.08 J**	**0.95 J**	< 7.29				**0.95 J**
		2/8/07	**1.43 UJ**	< 4.3	**35.88**	**3.13 J**		< 6.16	< 6.12	< 10.97	< 4.52	< 5.34		< 7.48	< 5.49	< 3.07	< 5.72	**1.27 J**	< 4.66	< 8.56	**3.23 J**	**3.88 J**	< 8.14				**2.11 J**
		8/14/08	< 4.5	< 7.5	**31**	< 2.9	< 9.5		< 6.2	< 9.5	< 3.6	< 4.2	< 2.9	< 5.8	< 4.2	< 2.4	< 4.5	**1.7 J**	< 3.6	< 7.8	< 4.5	**50 J**	< 26	< 15	**13 J**	< 66	< 4
		8/15/08	< 3.9	< 6.6	**15**	< 2.6	< 8.3		< 5.4	< 8.3	< 3.1	< 3.6	< 2.5	< 5	< 3.7	< 2.1	< 3.9	**1.4 J**	< 3.2	< 6.8	< 4	**25 J**	< 22	< 13	**12 J**	< 58	< 3.5
		7/16/09	< 3.9	< 6.4	**37**	**1.5 J**	< 8.1		< 5.3	< 8.1	< 3	< 3.6	< 9.8	< 4.9	< 3.6	< 2.1	< 3.8	**1.8**	< 3.1	< 6.7	**4.6**	**4.6 J**	< 22	< 13	**13 J**	< 57	< 3.4
		1/14/10	< 2.5	< 6.1	**20**	**1.7**	< 7.8		< 3.4	< 21	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1**	< 2	< 4.3	**3.5**	**1.3 J**	< 14	< 8.4	**12**	< 36	< 2.2
		7/14/10	< 3.8	< 9.5	**11**	< 2.5	< 12		< 5.2	< 8	< 3	< 3.5	< 9.7	< 4.9	< 3.6	< 2	< 3.8	**1.1 J**	< 3.1	< 6.6	**2.7 J**	< 27	< 22	< 13	**8.4 J**	< 56	< 3.4
		1/12/11	< 2.5	< 6.1	**23**	**2.4**	< 7.8		< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	**1.3**	< 2	< 4.3	**3.1**	< 17	< 14	< 8.4	**37**	< 36	**1.3 J**
		7/15/11	No Sample																								
		1/18/12	No Sample																								
		7/11/12	No Sample																								
		1/16/13	No Sample																								
		7/17/13	No Sample																								
		1/15/14	No Sample																								

Notes
All data reported in micrograms per cubic meter (µg/m³)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limit
Bold-highlight - reported value exceeds CHHSL or RSL
CHHSL - California Human Health Screening Level
RSL - EPA Regional Screening Level

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	Ethyl-t-Butyl Ether	Hexachloro-1,3-Butadiene	Hexane	m/p-Xylenes	Methyl t-Butyl Ether	Methylstyrene	o-Xylene	Styrene	1,2-Dichloroethene	c-1,3-Dichloropropene	t-Amyl-Methyl Ether	t-Butyl Alcohol	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl chloride
		CHHSL				2040	15.7		1020		102				0.693		438	2.04			0.0524
		RSL		0.56	3100					4400		3.1							3100	880	
Indoor Samples	AAI-01	2/7/07		< 23.05	1.57 J	10.88	< 2.95	< 5.72	3.02 J	< 4.59	< 3.66	< 4.9			6.22 J	0.85 J	18.75	2.58 J	1.96 J		< 2.73
		2/8/07		< 17.32	3.32	15.47	< 2.21	< 4.3	5.12	2.75 J	< 2.75	< 3.68			3.65 J	2.19	20.32	1.84 J	1.22 J		< 2.05
		8/14/08	< 15	< 19	4.6 J	5.8 J	< 13		3 J	< 7.5	< 3.5	< 8	< 15	< 11	5 J	< 5.2	8.6	< 4.8	< 9.9	9.8	< 2.3
		8/15/08	< 14	< 17	3.1 J	< 7.1	< 12		< 3.5	< 6.9	< 3.2	< 7.4	< 14	< 9.9	3.9 J	< 4.8	6.1	< 4.4	< 9.2	7.4	< 2.1
		7/16/09	< 20	< 26	< 17	< 21	< 17		2.7 J	< 10	< 4.8	< 11	< 20	< 15	< 8.1	< 7.1	14	< 6.4	< 13	12 J	< 3.1
		1/14/10	< 8.4	< 16	3.9 J	4.8 J	< 7.2		2.4	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.4 J	< 4.4	11	1.4 J	2.1 J	11	< 1.3
		1/14/10 - DUP	< 8.4	< 16	4.4 J	5.4 J	< 7.2		2.6	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.3 J	< 4.4	11	1.3 J	2 J	10	< 1.3
		7/14/10	< 13	< 24	< 11	< 13	< 11		< 3.3	< 9.7	< 3	< 6.9	< 13	< 9.2	15	< 6.7	8.6	4.3	1.8 J	32	< 1.9
		7/14/10 - DUP	< 13	< 24	< 11	< 13	< 11		1.7 J	< 9.8	< 3	< 6.9	< 13	< 9.3	16	< 6.8	9	3.3 J	< 8.6	35	< 2
		1/12/11	< 8.4	< 16	3.3 J	6.2 J	< 7.2		2.3	1 J	< 2	< 4.5	< 8.4	< 6.1	5.2	< 4.4	11	1.9 J	1.7 J	< 7	< 1.3
		7/15/11	< 8.4	< 16	3.1 J	< 8.7	< 7.2		0.87 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	14	1.6 J	4.2	18	1.6 J	8.9	< 1.3
		9/7/11	< 0.84	< 1.6	13	8.4 J	< 0.72	64	3.5	< 0.64	< 0.2	< 0.45	< 0.84	5.2 J	18	5.5	10	100	1.8 J	13	3.2
		10/26/11	< 8.4	< 16	2.1 J	< 8.7	< 7.2		1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.4	< 4.4	5.2	15	1.4 J	5.9 J	< 1.3
		1/18/12	< 8.4	< 16	3.3 J	4.8 J	< 7.2		1.9 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.4 J	0.52 J	10	28	1.6 J	< 7	< 1.3
		7/11/12	< 8.4	< 16	< 7	< 8.7	< 7.2		0.96 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	2.7 J	0.66 J	6.2	31	1.3 J	5 J	< 1.3
		1/16/13	< 84	< 160	3 J	6.5 J	< 72	15 J	2.4	0.64 J	< 20	< 45	< 84	< 61	0.89 J	< 44	13	37	1.5 J	< 70	< 13
		1/16/13 - DUP	< 84	< 160	2.4 J	4.7 J	< 72	11 B,J	1.8 J	0.54 J	< 20	< 45	< 84	< 61	< 34	< 44	9.3	29	1.1 J	7.8	< 13
		7/17/13	< 84	< 160	1.7 J	2.8 J	< 72		0.92 J	< 64	< 20	< 45	< 84	< 61	1.1 J	< 44	5.8	12	1.2 J	6.5 J	< 13
		1/15/14		< 16		7.4 J	< 7.2		2.8	0.87 J	< 2	< 4.5			0.97 J	< 4.4	33	45	2.9 J	< 7	< 1.3
	AAI-02	2/7/07		< 22.47	0.76 J	2.92 J	< 2.87	< 5.58	0.98 J	< 4.48	< 3.57	< 4.78			3.06 J	0.48 UJ	7.19	1.37 J	1.29 J		< 2.66
		2/8/07		< 22.13	2.44 J	14.66	< 2.83	< 5.5	5.02	3.13 J	< 3.51	< 4.7			7.26	1.06 J	21.3	1.89 J	1.66 J		< 2.62
		8/14/08	< 14	< 18	< 12	5.7 J	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	6.9	< 4.6	< 9.6	14	< 2.2
		8/15/08	< 14	< 18	< 12	< 7.4	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	5.1	< 4.6	< 9.6	8.2	< 2.2
		7/16/09	< 13	< 16	< 11	< 13	< 11		5.6	< 6.4	< 3	< 6.8	< 13	< 9.1	< 5.1	1 J	8.3	1.9 J	< 8.4	34	< 1.9
		1/14/10	< 8.4	< 16	< 7	4 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	7.9	1.2 J	1.8 J	28	< 1.3
		7/14/10	< 13	< 24	< 11	< 13	< 11		< 3.3	< 9.8	< 3	< 6.9	< 13	< 9.3	3.5 J	< 6.8	9.9	1.7 J	< 8.6	24	< 2
		1/12/11	< 8.4	8.7 U	2.8 J	4.8 J	< 7.2		1.6 J	0.91 J	< 2	< 4.5	< 8.4	< 6.1	3.4	< 4.4	8.5	2.7	1.7 J	50	< 1.3
		1/12/11	< 8.4	< 16	3.1 J	5.2 J	< 7.2		1.7 J	1.1 J	< 2	< 4.5	< 8.4	1.3 J	3.5	< 4.4	8.8	1.6 J	2.6 J	50	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	20	2.1 J	1.3 J	32	1.2 J	15	< 1.3
		1/18/12	< 8.4	< 16	2.8 J	4.8 J	< 7.2		1.7 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.4 J	3.6 J	16	3.8	1.6 J	22	< 1.3
		7/11/12	< 8.4	< 16	2.6 J	3.8 J	< 7.2		1.3 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	5.1	2.3 J	12	12	1.4 J	26	< 1.3
		1/16/13	< 84	< 160	2.6 J	4.8 J	< 72	2.7 J	1.7 J	0.61 J	< 20	< 45	< 84	< 61	0.78 J	< 44	11	1.1 J	1.5 J	< 70	< 13
		7/17/13	< 84	< 160	1.6 J	4.7 J	< 72		1.4 J	< 64	< 20	< 45	< 84	< 61	2.7 J	3.7 J	7.8	8.4	1.2 J	27	2.3
		1/15/14		< 16		6.9 J	< 7.2		2.5	0.7 J	< 2	< 4.5			0.86 J	1.3 J	33	3.2	3.3 J	31	< 1.3
	AAI-03	2/7/07		< 23.05	2.92	7.61 J	< 2.95	< 5.73	2.64 J	0.97 UJ	< 3.66	< 4.9			6.72 J	1.13 J	16.89	2.02 J	1.78 J		< 2.73
		2/8/07		< 23.18	3.02	16.26	< 2.96	< 5.38	5.65	1.59 UJ	< 3.68	< 4.93			4.16 J	1.17 UJ	23.91	2.3 J	0.97 J		< 2.75
		8/14/08	< 18	< 23	< 15	4.9 J	< 15		< 4.6	< 9.1	< 4.2	< 9.7	< 18	< 13	< 7.3	< 6.3	6.4	< 5.7	< 12	28	< 2.7
		8/15/08	< 18	< 23	< 16	10	< 16		< 4.8	< 9.4	< 4.4	< 10	< 18	< 13	< 7.5	< 6.5	14	< 5.9	< 12	19	< 2.8
		7/16/09	< 18	< 23	< 15	< 19	< 16		3.6 J	< 9.3	< 4.3	< 9.9	< 18	< 13	< 7.4	1.3 J	9.3	< 5.9	< 12	61	< 2.8
		1/14/10	< 8.4	< 16	< 7	4.2 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	7.8	1.4 J	1.8 J	39	< 1.3
		7/14/10	< 13	< 25	< 11	< 13	< 11		< 3.3	< 9.8	< 3.1	< 7	< 13	< 9.3	5.6	1.1 J	10	1.7 J	< 8.7	55	< 2
		1/12/11	< 8.4	< 16	2.7 J	4.5 J	< 7.2		1.4 J	0.86 J	< 2	< 4.5	< 8.4	< 6.1	2.1 J	< 4.4	8.4	1.8 J	1.6 J	85	< 1.3
		7/5/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	20	3.7 J	1.5 J	32	1.2 J	33	< 1.3
		7/15/11 - Dup	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	19	3.4 J	1.4 J	32	1.2 J	33	< 1.3
		9/7/11	< 0.84	< 1.6	9.1	4.1 J	< 0.72	23	1.6 J	< 0.64	< 0.2	< 0.45	< 0.84	3.1 J	9.3	24	8.4	5.8	1.9 J	47	4.7
		10/26/11	< 8.4	< 16	< 7	< 8.7	< 7.2		0.89 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	6.1	1.9 J	4.9	9.3	1.4 J	27	< 1.3
		1/18/12	< 8.4	< 16	3.4 J	5.1 J	< 7.2		1.8 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	8	15	2 J	1.6 J	47	< 1.3
		7/11/12	< 8.4	< 16	1.9 J	< 8.7	< 7.2		1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.5	3.4 J	9.4	7.5	1.4 J	41	< 1.3
		7/11/12 - DUP	< 8.4	< 16	2 J	< 8.7	< 7.2		1.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	3.7	3.4 J	9.9	7.8	1.4 J	44	< 1.3
		1/16/13	< 84	< 160	2.8 J	5.8 J	< 72	5.5 J	2 J	0.63 J	< 20	< 45	< 84	< 61	2.1 J	< 44	13	3.8	1.6 J	42	< 13
		7/17/13	< 84	< 160	2.1 J	8.2 J	< 72		2.3	< 64	< 20	< 45	< 84	< 61	3.3 J	10	9.5	6.1	1.7 J	69	1.5
		7/17/13	< 84	1.3 J	1.8 J	15	< 72		4.1	< 64	< 20	< 45	< 84	< 61	2.8 J	12	13	5.4	1.4 J	74	2
		1/15/14		< 16		7.4 J	< 7.2		2.8	1.1 J	< 2	< 4.5			0.82 J	1.2 J	34	1.4 J	3.2 J	43	< 1.3
	AAI-04	2/7/07		< 22.25	2.9	5.88 J	< 2.85	< 5.53	2.27 J	0.89 UJ	< 3.53	< 4.73			7.67	0.93 J	12.59	14.18	1.55 J		0.7 J
		2/8/07		< 22.12	1.67 J	8.31 J	< 2.83	< 5.49	2.92 J	2.68 J	< 3.51	< 4.7			5.99 J	0.67 J	15.96	9.35	1.57 J		0.44 J
		8/14/08	< 13	< 16	< 11	< 6.5	< 11		< 3.3	< 6.4	< 3	< 6.8	< 13	< 9.1	< 5.1	< 4.4	4.9	2.9 J	< 8.4	< 5.3	< 1.9
		8/15/08	< 17	< 21	< 14	< 8.6	< 14		< 4.3	< 8.5	< 3.9	< 9	< 17	< 12	< 6.7	< 5.9	4.6	< 5.3	< 11	4.1 J	< 2.5
		7/16/09	< 20	< 25	< 17	< 21	< 17		< 5.1	< 10	< 4.7	< 11	< 20	< 14	< 8	< 7	8.2	3.7 J	< 13	18	< 3
		1/14/10	< 8.4	< 16	2 J	4.5 J	< 7.2		1.7 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	9.7	14	1.8 J	62	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		< 3.5	< 10	< 3.2	< 7.2	< 13	< 9.6	< 5.4	1.7 J	3.9	9.1	< 8.9	21	< 2
		1/12/11	< 8.4	< 16	2.6 J	4.6 J	< 7.2		1.7 J	1.1 J	< 2	< 4.5	< 8.4	1.3 J	1.5 J	< 4.4	8.9	12	1.7 J	58	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	6.2	0.91 J	1.7 J	6.7	1.3 J	8.3	< 1.3
		1/18/12	< 8.4	< 16	2.6 J	4 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	1 J	9.1	2.6 J	1.6 J	3.4 J	< 1.3
		7/11/12	< 8.4	< 16	3 J	4.1 J	< 7.2		1.5 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	4.9	2.7 J	1.3 J	5.4 J	< 1.3
		1/16/13	< 84	< 160	3.6 J	9.4	< 72	27	3.3	0.83 J	< 20	< 45	< 84	< 61	0.68 J	< 44	17	5.5	1.5 J	29	< 13
		7/17/13	< 84	< 160	2.2 J	3.8 J	< 72		1.3 J	< 64	< 20	< 45	< 84	< 61	0.8 J	1.9 J	7.9	8.3	1.6 J	15	< 13
		1/15/14		< 16		5.9 J	< 7.2		2 J	0.48 J	< 2	< 4.5			0.87 J	< 4.4	35	2.6 J	3.1 J	12	< 1.3
	AAI-05	2/7/07		< 23.51	5.62	9.87	< 3.01	< 5.84	4.01 J	1.25 UJ	< 3.73	< 5			34.93	1.07 UJ	21.95	35.31	2.1 J		1.69 J
		2/8/07		1.98 UJ	2.74	13.18	< 2.8	1.65 J	4.96	2.86 J	< 3.47	< 4.66			24.73	1.97 J	20.75	29.91	1.92 J		1.06 J
		8/14/08	< 14	< 18	< 12	< 7.5	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5.1	5	46	< 9.7	14	< 2.2
		8/15/08	< 19	< 24	< 16	< 9.6	< 16		< 4.8	< 9.5	< 4.4	< 10	< 19	< 13	< 7.5	< 6.5	23	6.5	< 12	3.9 J	< 2.8
		7/16/09	< 13	< 16	6 J	< 13	< 11		1.7 J	< 6.6	< 3.1	< 7	< 13	< 9.3	< 5.2	< 4.5	8.1	22	< 8.7	94	< 2
		1/14/10	< 8.4	< 16	2.3 J	5.6 J	< 7.2		2.1 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	11	22	1.8 J	150	< 1.3
		7/14/10	< 14	< 26	< 12	< 14	< 12		< 3.6	< 11	< 3.3	< 7.5	< 14	< 10	3.2 J	7.3	5.8	44	1.9 J	170	< 2.1
		1/12/11	< 8.4	< 16	2.8 J	5.4 J	< 7.2		2 J	1.3 J	< 2	< 4.5	< 8.4	< 6.1	3.4 J	< 4.4	9.5	14	1.7 J	110	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	4	39	1.6 J	47	1.6 J	31	< 1.3
		1/18/12	< 8.4	< 16	2.7 J	4.3 J	< 7.2		1.6 J	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	2.1 J	11	35	1.7 J	16	< 1.3
		7/11/12	< 8.4	< 16	8.2	12	< 7.2		2.4	< 6.4	< 2	< 4.5	< 8.4	< 6.1	1.6 J	1.4 J	6.2	72	1.4 J	19	< 1.3
		1/16/13	< 84	< 160	2.9 J	7.5 J	< 72	54 B	2.7	0.76 J	< 20	< 45	< 84	< 61	1 J	< 44	13	12	1.2 J	29	< 13
		7/17/13	< 84	< 160	2 J	4 J	< 72		1.4 J	< 64	< 20	< 45	< 84	< 61	0.82 J	3.6 J	8.9	60	1.2 J	50	< 13
		1/15/14		< 16		7.7 J	< 7.2		2.8	0.95 J	< 2	< 4.5			0.89 J	< 4.4	37	3.8	3.3 J	31	< 1.3

Table 2-2
Indoor and Outdoor Air Sampling Results with CHHSL and RSL Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	Ethyl-t-Butyl Ether	Hexachloro-1,3-Butadiene	Hexane	m/p-Xylenes	Methyl t-Butyl Ether	Methylstyrene	o-Xylene	Styrene	t-1,2-Dichloroethene	t-1,3-Dichloropropene	t-Amyl-Methyl Ether	t-Butyl Alcohol	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl chloride
		CHHSL				2040	15.7		1020		102				0.693		438	2.04			0.0524
		RSL		0.56	3100					4400		3.1							3100	880	
Indoor Samples	AAI-06	2/7/07		< 22.93	**14.53**	**35.84**	< 2.93	< 5.7	**12.41**	**0.72 UJ**	< 3.64	< 4.88			**20.74**	**5.79**	**66.14**	**14.75**	**2.26 J**		< 2.72
		2/8/07		< 23.67	**3.22**	**25.49**	< 3.03	< 5.88	**9.11**	**2.39 J**	< 3.76	< 5.03			**14.94**	**3.02**	**34.63**	**8.91**	**1.68 J**		< 2.81
		8/14/08	< 18	< 23	**8.6 J**	**24**	< 16		**8.8**	< 9.3	< 4.3	< 9.9	< 18	< 13	< 7.4	< 6.5	**40**	**4 J**	< 12	< 7.7	< 2.8
		8/14/08 - DUP	< 13	< 17	**7.3 J**	**16**	< 11		**5.9**	< 6.7	< 3.1	< 7.2	< 13	< 9.6	< 5.4	< 4.7	**28**	**3.7 J**	< 8.9	< 5.6	< 2
		8/15/08	< 19	< 24	< 16	**8.9 J**	< 16		< 4.9	< 9.6	< 4.5	< 10	< 19	< 14	< 7.7	< 6.7	**16**	**4.2 J**	< 13	< 8	< 2.9
		8/15/08 - DUP	< 15	< 19	**3.9 J**	**12**	< 13		**4.4**	< 7.5	< 3.5	< 7.9	< 15	< 11	< 5.9	< 5.2	**18**	**4.7 J**	< 9.8	**3.2 J**	< 2.2
		7/16/09	< 13	< 16	**4.6 J**	**19**	< 11		**7.1**	< 6.5	< 3	< 6.9	< 13	< 9.2	< 5.2	< 4.5	**34**	**8.3**	< 8.5	**6.1 J**	< 1.9
		7/16/09 - DUP	< 13	< 17	**3.4 J**	**14**	< 11		**5.1**	< 6.6	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**27**	**7**	< 8.8	**6 J**	< 2
		1/14/10	< 8.4	< 16	**2.6 J**	**23**	< 7.2		**8.7**	**1.2 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**40**	**2.6 J**	**1.9 J**	**19**	< 1.3
		7/14/10	< 14	< 26	< 11	**19**	< 12		**6.9**	< 10	< 3.2	< 7.4	< 14	< 9.8	< 5.5	< 7.2	**13**	< 4.4	**1.9 J**	**7.7 J**	< 2.1
		1/12/11	< 8.4	< 16	**2.4 J**	**13**	< 7.2		**6.9**	**2.7 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.8**	< 2.7	**1.6 J**	**67**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.8 J**	< 4.4	**2.4**	**2.7**	**1.5 J**	**9.6**	< 1.3
		1/18/12	< 8.4	< 16	**2.6 J**	**3.9 J**	< 7.2		**1.4 J**	**0.9 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.5**	< 2.7	**1.7 J**	< 7	< 1.3
		1/18/12 - DUP	< 8.4	< 16	**2.5 J**	**3.9 J**	< 7.2		**1.4 J**	**0.89 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.4**	< 2.7	**1.8 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**10**	**8.2 J**	< 7.2		**3.5**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9.4**	**0.95 J**	**2 J**	**38**	< 1.3
		1/16/13	< 84	< 160	**3 J**	**6.6 J**	< 72	**13 B,J**	**2.3**	**1.5 J**	< 20	< 45	< 84	< 61	< 34	< 44	**12**	< 27	**1.2 J**	< 70	< 13
		7/17/13	< 84	**1.8 J**	**2.2 J**	**5.3 J**	< 72		**1.9 J**	**0.41 J**	< 20	< 45	< 84	< 61	**0.72 J**	< 44	**9.6**	**1.5 J**	**1.2 J**	< 70	< 13
		1/15/14		< 16		**7.8 J**	< 7.2		**2.9**	**1.5 J**	< 2	< 4.5			**0.92 J**	< 4.4	**41**	< 2.7	**4.1 J**	< 7	< 1.3
	AAO-01	2/7/07		**2.71 J**	**1 J**	**5.11 J**	< 2.76	**0.6 J**	**2 J**	**1.07 J**	< 3.42	< 4.59			**2 J**	**0.93 J**	**10.75**	**1.14 J**	**1.73 J**		< 2.56
		2/8/07		**1.96 UJ**	**3.77**	**17.42**	< 3.08	**0.8 UJ**	**6.06**	**4.74 J**	< 3.82	< 5.11			**3.64 J**	**1.26 J**	**32.53**	**1.81 J**	**2.1 J**		< 2.85
		8/14/08	< 14	< 18	< 12	< 7.4	< 12		< 3.7	< 7.3	< 3.4	< 7.8	< 14	< 10	< 5.8	< 5	**3.8**	< 4.6	< 9.6	< 6	< 2.2
		8/15/08	< 13	< 17	< 11	< 6.8	< 11		< 3.4	< 6.6	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**2.1 J**	< 4.2	< 8.8	< 5.5	< 2
		7/16/09	< 14	< 17	< 11	< 14	< 12		< 3.5	< 6.9	< 3.2	< 7.4	< 14	< 9.9	< 5.5	< 4.8	**7.7**	< 4.4	< 9.2	< 11	< 2.1
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**0.94 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.6**	< 2.7	**2 J**	< 7	< 1.3
		7/14/10	< 14	< 26	< 12	< 14	< 12		< 3.6	< 11	< 3.3	< 7.5	< 14	< 10	< 5.6	< 7.3	**2 J**	< 4.4	< 9.3	< 12	< 2.1
		1/12/11	< 8.4	< 16	**2.2 J**	**3.7 J**	< 7.2		**1.4 J**	**0.94 J**	< 2	< 4.5	< 8.4	**2.4 J**	< 3.4	< 4.4	**8.1**	< 2.7	**2.2 J**	< 7	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**19**	< 4.4	**0.75 J**	**32**	**1.6 J**	< 7	< 1.3
		1/18/12	< 8.4	< 16	**2.1 J**	**3.6 J**	< 7.2		**1.2 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7**	< 2.7	**1.4 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**4.5 J**	**4.8 J**	< 7.2		**1.5 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**4.1**	< 4.4	**3.9**	**7**	**1.4 J**	**3 J**	< 1.3
		1/16/13	< 84	< 160	**2.2 J**	**5 J**	< 72	**2.1 J**	**1.7 J**	**0.47 J**	< 20	< 45	< 84	< 61	**0.53 J**	< 44	**11**	**0.5 J**	**1.4 J**	< 70	< 13
		7/17/13	< 84	**1.9 J**	**1.4 J**	**5.6 J**	< 72		**1.6 J**	**0.32 J**	< 20	< 45	< 84	< 61	**3.5**	< 44	**8.3**	**4.6**	**1.8 J**	< 70	< 13
		1/15/14		< 16		**7.8 J**	< 7.2		**2.7**	**0.39 J**	< 2	< 4.5			**0.83 J**	< 4.4	**29**	< 2.7	**4 J**	< 7	< 1.3
		1/15/14 - DUP		2.8 J		**6.4 J**	< 7.2		**2.3**	**0.48 J**	< 2	< 4.5			**1.1 J**	< 4.4	**30**	< 2.7	**3.4 J**	< 7	< 1.3
Outdoor Samples	AAO-02	2/7/07		< 20.87	**1.63 J**	**5.38 J**	< 2.67	< 5.18	**1.82 J**	**1.1 UJ**	< 3.31	< 4.44			**2.64 J**	**0.85 UJ**	**15.15**	**1.06 J**	**1.6 J**		< 2.48
		2/8/07		< 27.38	**5.95**	**12.78**	< 3.5	< 6.8	**4.43 J**	**2.88 J**	< 4.34	< 5.82			**3.7 J**	**1.41 J**	**28.77**	**1.29 J**	**1.77 J**		< 3.25
		8/14/08	< 13	< 17	< 11	< 6.9	< 11		< 3.4	< 6.7	< 3.1	< 7.2	< 13	< 9.6	< 5.4	< 4.7	**3.3**	< 4.2	< 8.9	< 5.6	< 2
		8/15/08	< 15	< 19	< 12	< 7.7	< 13		< 3.8	< 7.5	< 3.5	< 8	< 15	< 11	< 6	< 5.2	**2.8 J**	< 4.8	< 9.9	< 6.2	< 2.3
		7/16/09	< 13	< 17	< 11	< 14	< 12		< 3.5	< 6.8	< 3.2	< 7.3	< 13	< 9.7	< 5.4	< 4.7	**5**	< 4.3	< 9	**6.5 J**	< 2
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**1 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7.1**	< 2.7	**1.9 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		< 3.4	< 10	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 6.9	**3.4**	< 4.2	**1.8 J**	< 11	< 2
		1/12/11	< 8.4	< 16	**2.1 J**	**3.7 J**	< 7.2		**1.3 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.6 J**	< 4.4	**8.9**	< 2.7	**2.3 J**	**6.3 J**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**40**	**0.54 J**	**1 J**	**68**	**1.8 J**	< 7	< 1.3
		9/7/11	< 0.84	< 1.6	**3.5 J**	< 0.87	< 0.72	**11 J**	**1 J**	< 0.64	< 0.2	< 0.45	< 0.84	< 0.61	**6.8**	**4 J**	**6.2**	**3**	**1.8 J**	< 0.7	**4.2**
		10/26/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**36**	**1 J**	**3**	**65**	**1.4 J**	**4.8 J**	**1.2 J**
		1/18/12	< 8.4	< 16	**2.3 J**	**4 J**	< 7.2		**1.4 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.4 J**	**1.7 J**	**11**	**1.6 J**	**1.5 J**	**4.3 J**	**0.73 J**
		7/11/12	< 8.4	< 16	**6.8 J**	< 8.7	< 7.2		**0.67 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**14**	**2.7 J**	**5.2**	**30**	**1.4 J**	**2.4 J**	< 1.3
		1/16/13	< 84	< 160	**2.4 J**	**5.4 J**	< 72	**4.8 J**	**1.8 J**	**0.53 J**	< 20	< 45	< 84	< 61	**26**	< 44	**10**	**38**	**1.5 J**	**12**	**0.95 J**
		7/17/13	< 84	< 160	**1.3 J**	**2.5 J**	< 72		**0.82 J**	< 64	< 20	< 45	< 84	< 61	**16**	**1.1 J**	**5**	**27**	**1.3 J**	**8.4**	**2.3**
		1/15/14		< 16		**6.2 J**	< 7.2		**2.2**	**0.55 J**	< 2	< 4.5			**1 J**	< 4.4	**25**	**1.4 J**	**3 J**	**20**	< 1.3
	AAO-03	2/7/07		< 22.07	**14.18**	**7.52 J**	< 2.82	< 4.52	**3.86**	**0.74 J**	< 2.89	< 3.87			**2.42 J**	**2.19 UJ**	**25.29**	**1.29 J**	**1.57 J**		< 2.62
		2/8/07		< 25.64	**2.21 J**	**8.53 J**	< 3.28	< 6.37	**3.1 UJ**	**2.7 J**	< 4.07	< 5.45			**2.77 J**	**0.87 UJ**	**17.56**	**0.96 UJ**	**1.71 J**		< 3.04
		8/14/08	< 14	< 18	< 12	**5 J**	< 12		< 3.6	< 7	< 3.3	< 7.5	< 14	< 10	< 5.6	< 4.9	**11**	< 4.4	< 9.3	< 5.8	< 2.1
		8/15/08	< 15	< 19	< 13	< 7.8	< 13		< 3.9	< 7.7	< 3.6	< 8.2	< 15	< 11	< 6.1	< 5.3	**7.4**	< 4.8	< 10	< 6.3	< 2.3
		7/16/09	< 13	< 16	< 11	< 13	< 11		**1.5 J**	< 6.6	< 3.1	< 7	< 13	< 9.3	< 5.2	< 4.5	**12**	< 4.1	**2.5 J**	< 11	< 2
		1/14/10	< 8.4	< 16	**2.2 J**	**8.3 J**	< 7.2		**3.1**	**0.94 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**21**	< 2.7	**1.8 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 14	< 11		**1.7 J**	< 10	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 6.9	**5.7**	< 4.2	**2 J**	**5.1 J**	< 2
		1/12/11	< 8.4	< 16	**2.1 J**	**4 J**	< 7.2		**1.7 J**	**2.5 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**8.7**	< 2.7	**1.6 J**	**4.5 J**	< 1.3
		7/15/11	< 8.4	< 16	< 7	< 8.7	< 7.2		< 2.2	< 6.4	< 2	< 4.5	< 8.4	< 6.1	**1.6 J**	< 4.4	**1.6 J**	**2.2 J**	**1.7 J**	< 7	< 1.3
		1/18/12	< 8.4	< 16	**2.4 J**	**3.8 J**	< 7.2		**1.4 J**	**0.94 J**	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**9**	< 2.7	**1.5 J**	< 7	< 1.3
		7/11/12	< 8.4	< 16	**2.5 J**	< 8.7	< 7.2		**0.87 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.3**	< 2.7	**1.4 J**	**5.8 J**	< 1.3
		1/16/13	< 84	< 160	**2.7 J**	**7 J**	< 72	**3.2 J**	**2.3**	**2.3 J**	< 20	< 45	< 84	< 61	< 34	< 44	**15**	< 27	**1.4 J**	< 70	< 13
		7/17/13	< 84	< 160	**2 J**	**13**	< 72		**3.8**	**0.4 J**	< 20	< 45	< 84	< 61	< 34	< 44	**19**	**0.5 J**	**1.2 J**	**2.1 J**	< 13
		1/15/14		< 16		**8 J**	< 7.2		**3**	**1.8 J**	< 2	< 4.5			**0.85 J**	< 4.4	**42**	< 2.7	**4 J**	< 7	< 1.3
	AAO-04	2/7/07		< 22.48	**0.82 J**	**2.86 J**	< 2.87	< 5.58	**1.01 J**	**0.6 J**	< 3.57	< 4.78			**0.82 UJ**	**0.28 UJ**	**7.9**	< 5.64	**1.08 J**		< 2.66
		2/8/07		< 25.1	**1.55 J**	**6.61 J**	< 3.21	< 6.23	**2.35 J**	**3.68 J**	< 3.98	< 5.34			**2.09 J**	**0.62 J**	**17.66**	**0.74 J**	**1.92 J**		< 2.98
		8/14/08	< 15	< 20	< 13	< 8	< 13		< 4	< 7.8	< 3.6	< 8.4	< 15	< 11	< 6.2	< 5.4	**3.4 J**	< 4.9	< 10	< 6.5	< 2.4
		8/15/08	< 13	< 17	< 11	**4 J**	< 12		< 3.5	< 6.8	< 3.2	< 7.3	< 13	< 9.7	< 5.4	< 4.7	**5**	< 4.3	< 9	< 5.6	< 2
		7/16/09	< 13	< 17	< 11	< 14	< 11		< 3.4	< 6.7	< 3.1	< 7.1	< 13	< 9.5	< 5.3	< 4.6	**6**	< 4.2	< 8.8	< 11	< 2
		1/14/10	< 8.4	< 16	< 7	< 8.7	< 7.2		**1 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**6.8**	< 2.7	**1.9 J**	< 7	< 1.3
		7/14/10	< 13	< 25	< 11	< 13	< 11		< 3.4	< 9.9	< 3.1	< 7	< 13	< 9.4	**2.6 J**	< 6.9	**2 J**	< 4.2	< 8.7	< 11	< 2
		1/12/11	< 8.4	< 16	**2.5 J**	**4.2 J**	**0.77 J**		**1.4 J**	< 6.4	< 2	< 4.5	< 8.4	< 6.1	< 3.4	< 4.4	**7.7**	< 2.7	**2.5 J**	< 7	< 1.3
		7/15/11	No Sample																		
		1/18/12	No Sample																		
		7/11/12	No Sample																		
		1/16/13	No Sample																		
		7/17/13	No Sample																		
		1/15/14	No Sample																		

Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration rang
Bold - reported value exceeds method detection limit
Bold-highlight - reported value exceeds CHHSL or RSL
CHHSL - California Human Health Screening Leve
RSL - EPA Regional Screening Level

Table 2-3
Indoor and Outdoor Air Sampling Results with SIS Influent Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone	2-Hexanone
	SIS Influent	1/17/14	**110000**	< 2700	**15000**	< 1100	**3000**	**28000**	< 12000	< 5900	< 2900	< 1500	< 1200	**260 J**	< 920	< 980	< 1200	< 1200	< 14000	< 1800	< 2500
Indoor Samples	AAI-01	1/15/14	< 2.7	< 6.9	**0.68 J**	< 2.7	< 2	< 2	< 30	< 15	**3.2 J**	< 3.8	< 3	< 2	< 2.3	**0.89 J**	< 3	< 3	< 36	**5.3**	< 6.1
	AAI-02	1/15/14	**0.97 J**	< 6.9	**0.6 J**	< 2.7	< 2	< 2	< 30	< 15	**2.2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**5.6**	< 6.1
	AAI-03	1/15/14	**1.2 J**	< 6.9	**0.68 J**	< 2.7	< 2	< 2	< 30	< 15	**3.1 J**	< 3.8	< 3	< 2	< 2.3	**1.1 J**	< 3	< 3	< 36	**5.4**	< 6.1
	AAI-04	1/15/14	< 2.7	< 6.9	**0.69 J**	< 2.7	< 2	< 2	< 30	< 15	< 7.4	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	< 4.4	< 6.1
	AAI-05	1/15/14	< 2.7	< 6.9	**0.65 J**	< 2.7	< 2	< 2	< 30	< 15	**1.9 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**4.2 J**	< 6.1
	AAI-06	1/15/14	< 2.7	< 6.9	**0.7 J**	< 2.7	< 2	< 2	< 30	< 15	**3.3 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**5.4**	< 6.1
Outdoor Samples	AAO-01	1/15/14	< 2.7	< 6.9	**0.58 J**	< 2.7	< 2	< 2	< 30	< 15	**2.6 J**	< 3.8	< 3	< 2	< 2.3	**0.75 J**	< 3	< 3	< 36	**3.1 J**	< 6.1
		1/15/14 - DUP	< 2.7	< 6.9	**0.79 J**	< 2.7	< 2	< 2	< 30	**1.3 J**	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**4.4 J**	< 6.1
	AAO-02	1/15/14	**0.46 J**	< 6.9	**0.69 J**	< 2.7	< 2	< 2	< 30	< 15	**2 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**5.5**	< 6.1
	AAO-03	1/15/14	**0.56 J**	< 6.9	**0.71 J**	< 2.7	< 2	< 2	< 30	< 15	**1.5 J**	< 3.8	< 3	< 2	< 2.3	< 2.5	< 3	< 3	< 36	**5.7**	< 6.1
	AAO-04	1/15/14	No Sample																		

Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi

Table 2-3
Indoor and Outdoor Air Sampling Results with SIS Influent Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Benzyl Chloride	Bromodichloromethane	Bromoform	Bromomethane	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Dichlorodifluoromethane	Dichloromethane	Dichlorotetrafluoroethane	Ethylbenzene
	SIS Influent	1/17/14	< 980	< 2500	**640 J**	**150 J**	< 3100	< 1300	< 2100	< 780	< 910	< 12000	< 1300	< 920	< 530	**180 J**	< 410	**8200**	< 1700	< 990	**10000**	< 5600	**290 J**
Indoor Samples	AAI-01	1/15/14	**0.97 J**	< 6.1	**370**	**2.6**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.59 J**	< 2.3	< 1.3	< 2.4	**1.9**	< 2	< 4.3	**4.4**	**12 J**	< 14	**1.8 J**
	AAI-02	1/15/14	< 2.5	< 6.1	**3300**	**2.5**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.61 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.7**	**4.1 U**	< 14	**1.7 J**
	AAI-03	1/15/14	**0.88 J**	< 6.1	**1000**	**2.5**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.6 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.7**	**5.2 U**	< 14	**1.7 J**
	AAI-04	1/15/14	< 2.5	< 6.1	**28**	**2.5**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.6 J**	< 2.3	< 1.3	< 2.4	**1.5**	< 2	< 4.3	**4.5**	**10 J**	< 14	**1.6 J**
	AAI-05	1/15/14	< 2.5	< 6.1	**160**	**2.5**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.61 J**	< 2.3	< 1.3	< 2.4	**1.8**	< 2	< 4.3	**4.7**	**17 J**	< 14	**1.8 J**
	AAI-06	1/15/14	**0.85 J**	< 6.1	**94**	**2.6**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.5**	**6.5 U**	< 14	**1.9 J**
Outdoor Samples	AAO-01	1/15/14	< 2.5	< 6.1	**82**	**2.6**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.68 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**2.4 U**	< 14	**1.6 J**
		1/15/14 - DUP	< 2.5	< 6.1	**89**	**2.3**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.7 J**	< 2.3	< 1.3	< 2.4	**1.9**	< 2	< 4.3	**4.9**	**2.6 U**	< 14	**1.6 J**
	AAO-02	1/15/14	< 2.5	< 6.1	**2500**	**2.3**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.6**	< 2	< 4.3	**4.4**	**4.1 U**	< 14	**1.5 J**
	AAO-03	1/15/14	< 2.5	< 6.1	**160**	**2.5**	< 7.8	< 3.4	< 5.2	< 1.9	< 2.3	< 6.2	**0.62 J**	< 2.3	< 1.3	< 2.4	**1.8**	< 2	< 4.3	**4.8**	**2.8 U**	< 14	**1.9 J**
	AAO-04	1/15/14	No Sample																				

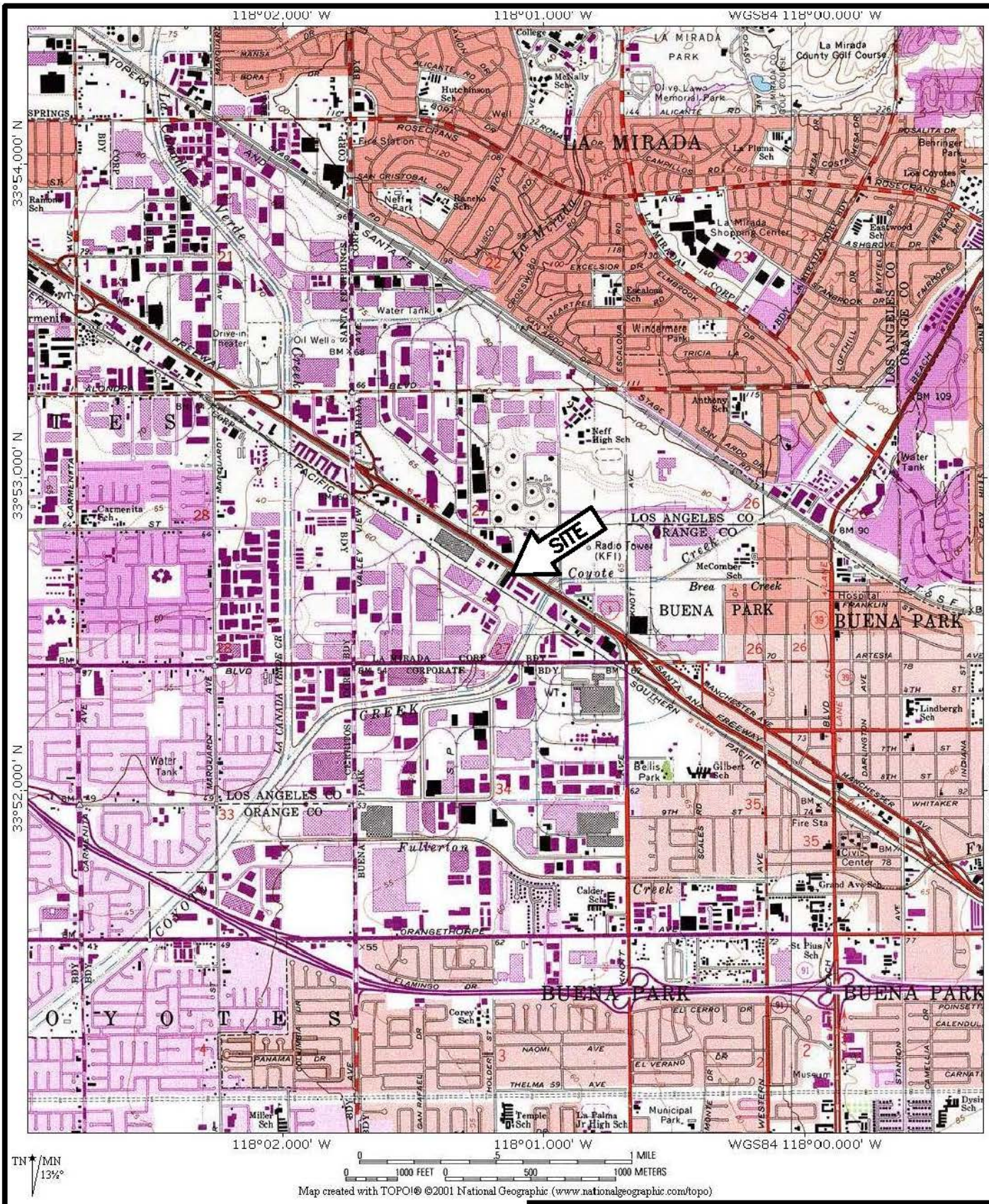
Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi

Table 2-3
Indoor and Outdoor Air Sampling Results with SIS Influent Comparison
Former Western Chemical

Sample Type	Sample Location	Sample Date	Hexachloro-1,3-Butadiene	m/p-Xylenes	Methyl t-Butyl Ether	o-Xylene	Styrene	t-1,2-Dichloroethene	t-1,3-Dichloropropene	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl chloride
	SIS Influent	1/17/14	< 6400	**930 J**	< 2900	**300 J**	< 2600	< 790	< 1800	**150000**	< 1800	**550 J**	**220000**	**570 J**	< 2800	**1300**
Indoor Samples	AAI-01	1/15/14	< 16	**7.4 J**	< 7.2	**2.8**	**0.87 J**	< 2	< 4.5	**0.97 J**	< 4.4	**33**	**45**	**2.9 J**	< 7	< 1.3
	AAI-02	1/15/14	< 16	**6.9 J**	< 7.2	**2.5**	**0.7 J**	< 2	< 4.5	**0.86 J**	1.3 J	**33**	**3.2**	**3.3 J**	**31**	< 1.3
	AAI-03	1/15/14	< 16	**7.4 J**	< 7.2	**2.8**	**1.1 J**	< 2	< 4.5	**0.82 J**	1.2 J	**34**	**1.4 J**	**3.2 J**	**43**	< 1.3
	AAI-04	1/15/14	< 16	**5.9 J**	< 7.2	**2 J**	**0.48 J**	< 2	< 4.5	**0.87 J**	< 4.4	**35**	**2.6 J**	**3.1 J**	**12**	< 1.3
	AAI-05	1/15/14	< 16	**7.7 J**	< 7.2	**2.8**	**0.95 J**	< 2	< 4.5	**0.89 J**	< 4.4	**37**	**3.8**	**3.3 J**	**31**	< 1.3
	AAI-06	1/15/14	< 16	**7.8 J**	< 7.2	**2.9**	**1.5 J**	< 2	< 4.5	**0.92 J**	< 4.4	**41**	< 2.7	**4.1 J**	< 7	< 1.3
Outdoor Samples	AAO-01	1/15/14	< 16	**7.8 J**	< 7.2	**2.7**	**0.39 J**	< 2	< 4.5	**0.83 J**	< 4.4	**29**	< 2.7	**4 J**	< 7	< 1.3
		1/15/14 - DUP	2.8 J	**6.4 J**	< 7.2	**2.3**	**0.48 J**	< 2	< 4.5	**1.1 J**	< 4.4	**30**	< 2.7	**3.4 J**	< 7	< 1.3
	AAO-02	1/15/14	< 16	**6.2 J**	< 7.2	**2.2**	**0.55 J**	< 2	< 4.5	**1 J**	< 4.4	**25**	**1.4 J**	**3 J**	**20**	< 1.3
	AAO-03	1/15/14	< 16	**8 J**	< 7.2	**3**	**1.8 J**	< 2	< 4.5	**0.85 J**	< 4.4	**42**	< 2.7	**4 J**	< 7	< 1.3
	AAO-04	1/15/14	No Sample													

Notes
All data reported in micrograms per cubic meter (µg/m^3)
J - Estimated value
E - Concentration exceeds the calibration range
Bold - reported value exceeds method detection limi

FIGURES



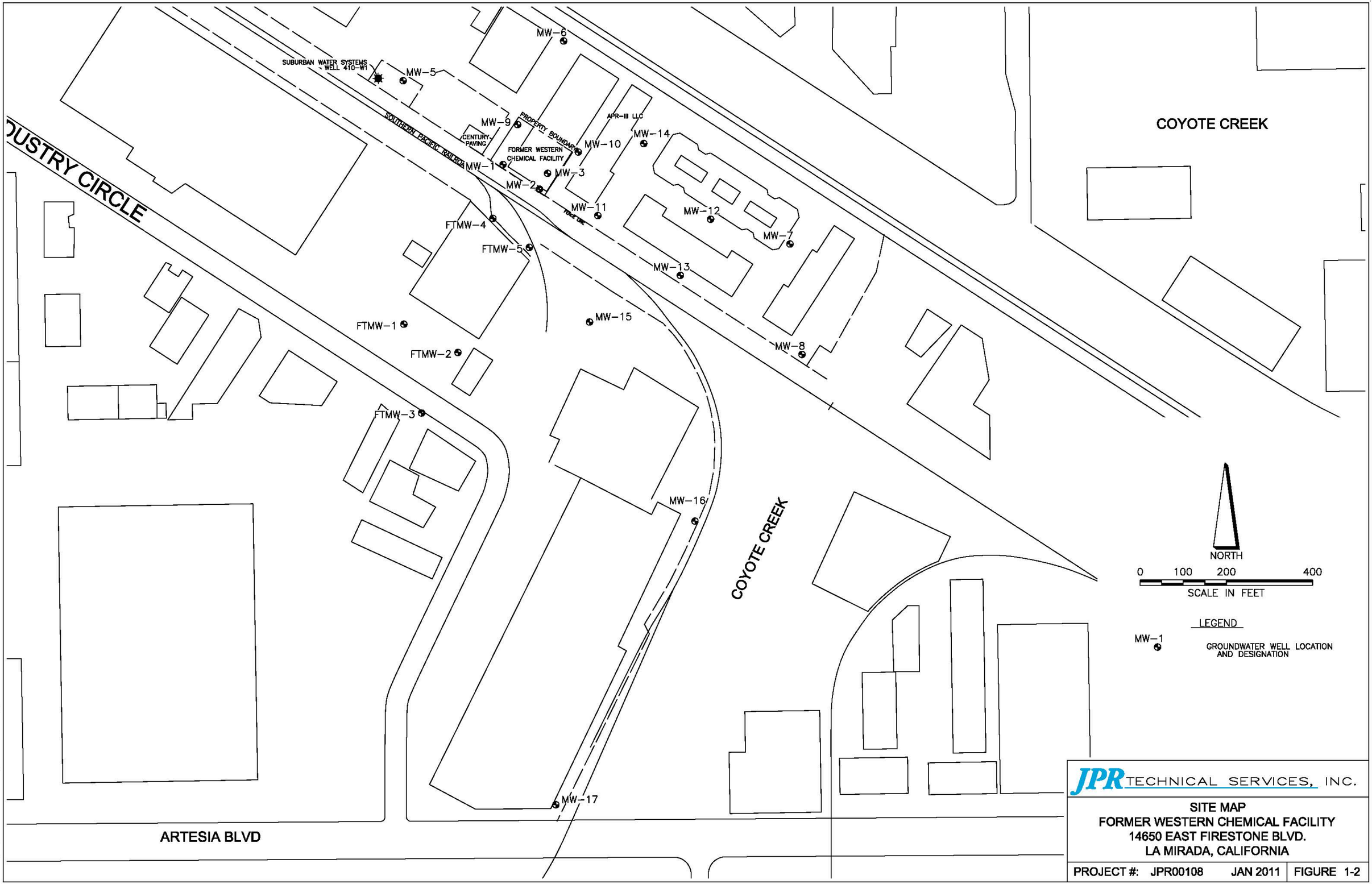
Map created with TOPO!® ©2001 National Geographic (www.nationalgeographic.com/topo)

JPR TECHNICAL SERVICES, INC.

SITE LOCATION MAP
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFONRIA

SCALE: 1 inch = 0.5 mile

PROJECT #: JPR00-108	FIGURE 1-1

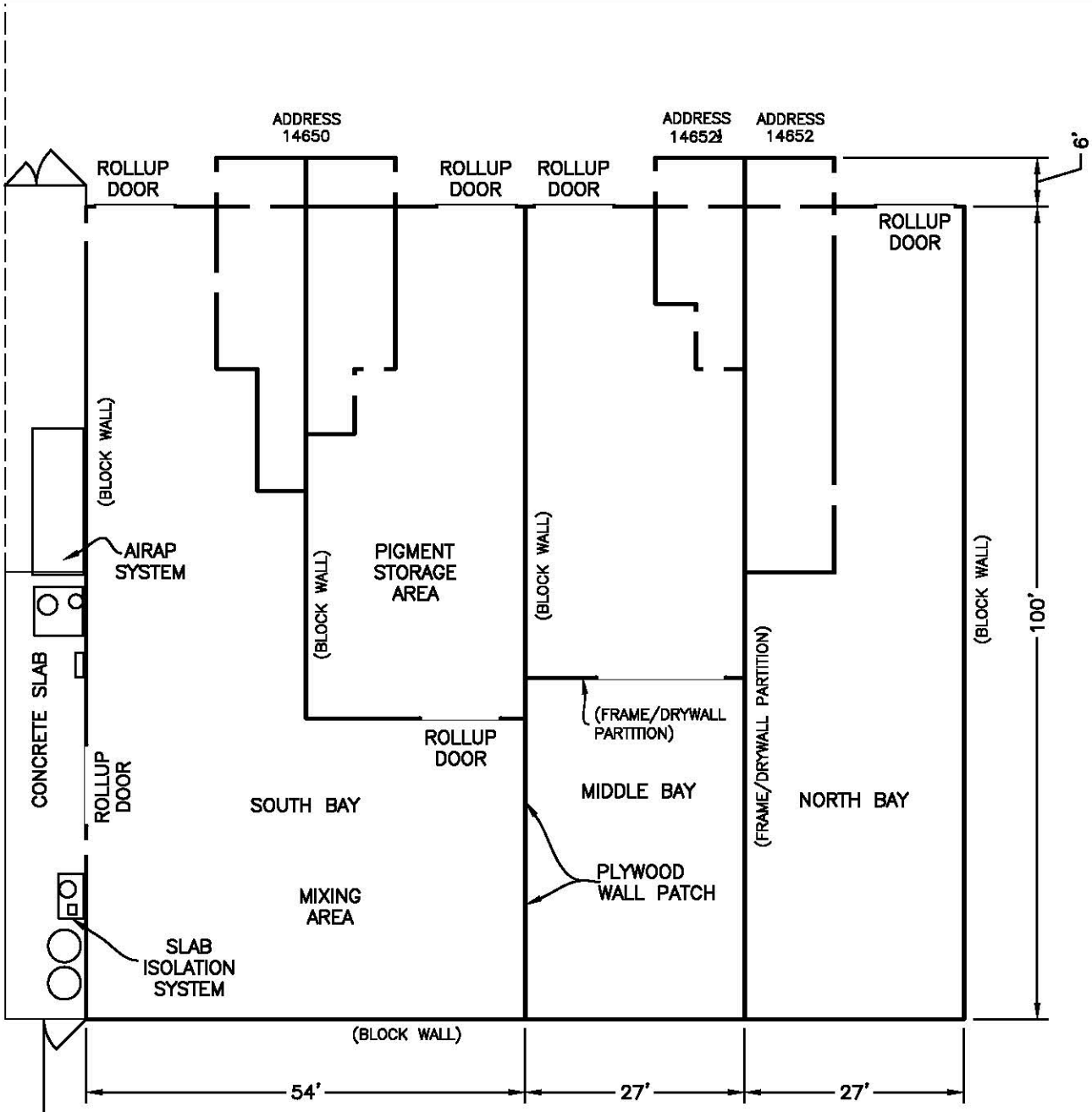


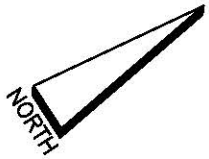
JPR TECHNICAL SERVICES, INC.

SITE MAP
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA

PROJECT #: JPR00108 JAN 2011 FIGURE 1-2

WESTCHEM Figure 1-2.dwg





APPROXIMATE SCALE

0 10 20 40

SCALE: 1 inch = 20 feet

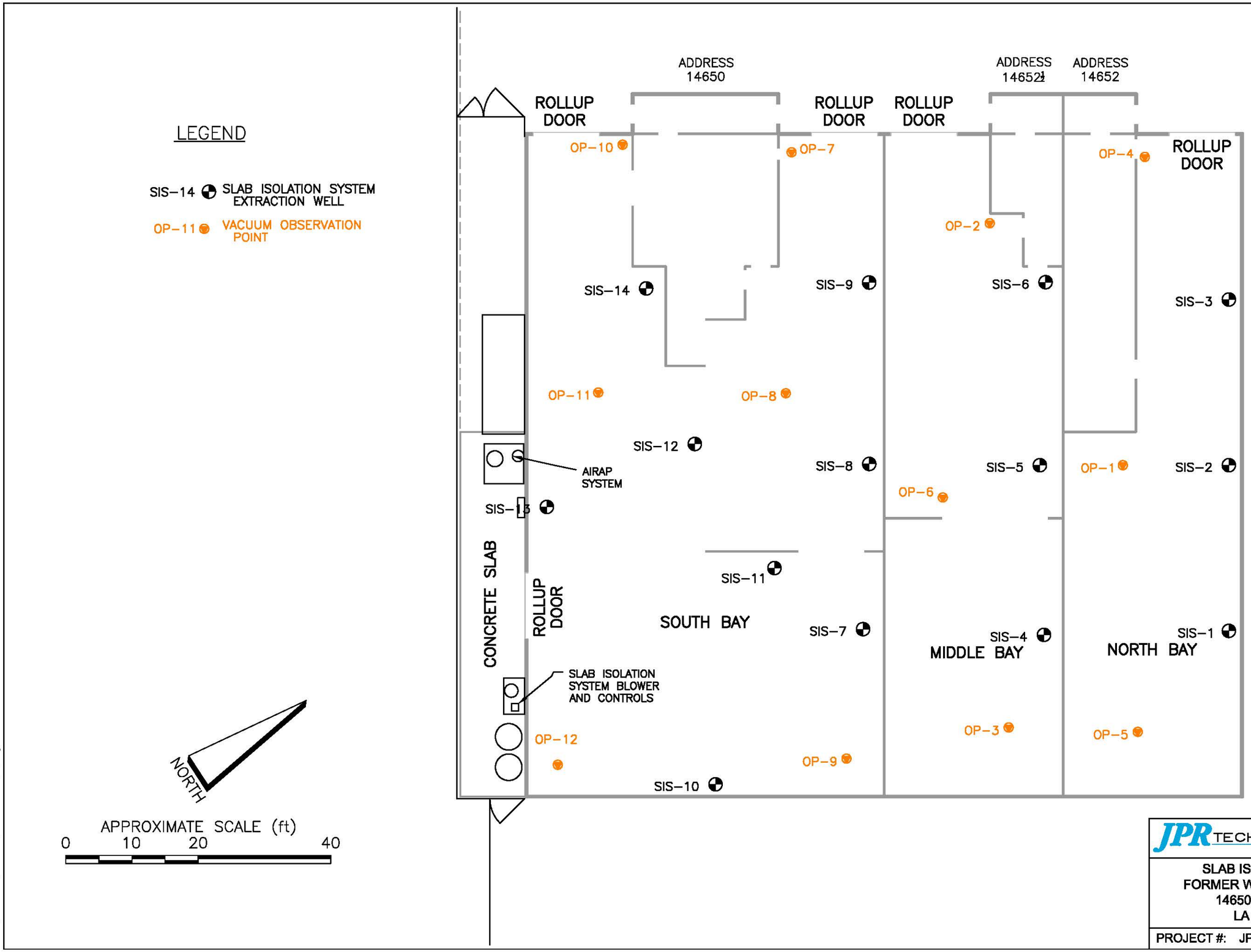
NOTE:
ALL ROLLUP DOORS ARE 10' WIDE
UNLESS OTHERWISE NOTED

JPR TECHNICAL SERVICES, INC.

BUILDING LAYOUT
FORMER WESTERN CHEMICAL SITE
LA MIRADA, CALIFORNIA

PROJECT #: JPR00-108 – FIGURE 1-3

WESTERN CHEMICAL BUILDING_LAYOUT

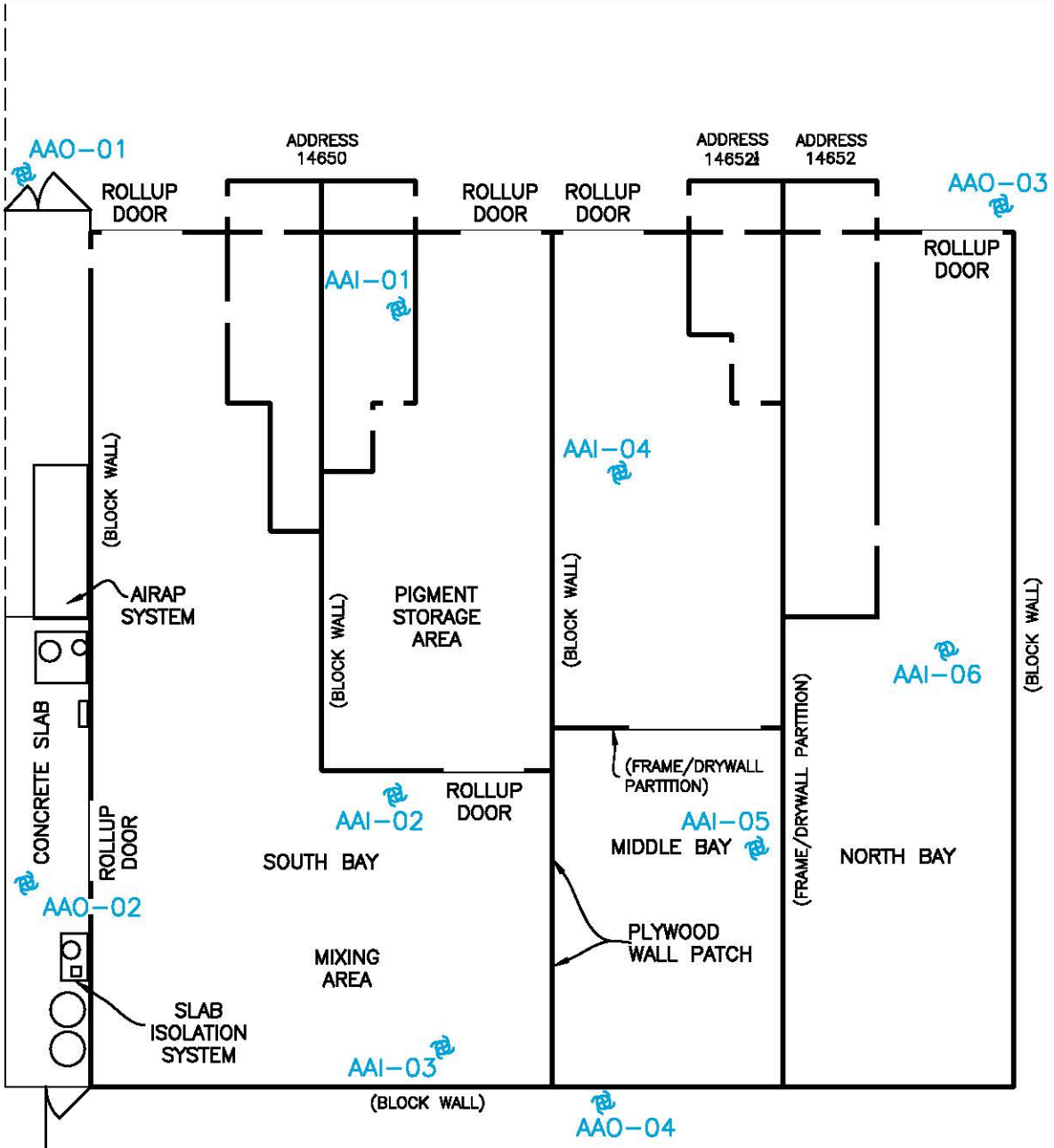


JPR TECHNICAL SERVICES, INC.

SLAB ISOLATION SYSTEM LAYOUT
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA

PROJECT #: JPR00-108 – FIGURE 1-4

WESTERN-CHEMICAL SISFigure1-3



AAI-03 AMBIENT AIR LOCATION

NOTE:
ALL ROLLUP DOORS ARE 10' WIDE
UNLESS OTHERWISE NOTED

NORTH

APPROXIMATE SCALE
0 10 20 40
SCALE: 1 inch = 20 feet

JPR TECHNICAL SERVICES, INC.

AMBIENT AIR STATION LOCATIONS
FORMER WESTERN CHEMICAL SITE
LA MIRADA, CALIFORNIA

PROJECT #: JPR00-108 – FIGURE 2-1

WESTERN CHEMICAL BUILDING_LAYOUT

QUARTERLY MONITORING REPORT
FIRST QUARTER 2014
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA

Prepared for:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 W. 4th Street, Suite 200
Los Angeles, California

On behalf of:

SOCO-WEST, INC.
100 First Stamford Place
Stamford, Connecticut 06902

Prepared by:

***JPR* TECHNICAL SERVICES, INC.**
4401 Atlantic Avenue, Suite 200
Long Beach, California
562.984.2060

Project No. JPR-00-108
15 April 2014

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Date	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet)	Groundwater Flow Direction	Gradient (ft./ft.)
Reporting Data		***Elevation Data***		***Flow Data***	
MW1	2/3/2012	54.28	7.55	SE	0.008
MW1	4/25/2012	55.65	6.18	SE	0.008
MW1	7/26/2012	53.41	8.42	SE	0.0085
MW1	10/24/2012	52.16	9.67	S to SE	0.0056
MW1	1/30/2013	53.75	8.08	S to SE	0.0076
MW1	4/25/2013	52.82	9.01	S to SE	0.0039
MW1	5/20/2013	52.41	9.42	S to SE	0.0049
MW1	7/25/2013	51.53	10.30	S to SE	0.0060
MW1	10/24/2013	50.57	11.26	S to SW	0.0062
MW1	12/4/2013	50.07	11.76	S to SW	0.0062
MW1	1/31/2014	49.72	12.11	S to SW	0.0058
MW2	2/3/2012	52.67	10.05	SE	0.008
MW2	4/25/2012	54.05	8.67	SE	0.008
MW2	7/26/2012	51.84	10.88	SE	0.0085
MW2	10/24/2012	50.72	12.00	S to SE	0.0056
MW2	1/30/2013	52.55	10.17	S to SE	0.0076
MW2	4/25/2013	52.41	10.31	S to SE	0.0039
MW2	5/20/2013	51.22	11.50	S to SE	0.0049
MW2	7/25/2013	50.73	11.99	S to SE	0.0060
MW2	10/24/2013	50.22	12.50	S to SW	0.0062
MW2	12/4/2013	48.97	13.75	S to SW	0.0062
MW2	1/31/2014	48.84	13.88	S to SW	0.0058
MW3	2/3/2012	53.37	9.74	SE	0.008
MW3	4/25/2012	54.70	8.41	SE	0.008
MW3	7/26/2012	52.58	10.53	SE	0.0085
MW3	10/24/2012	51.46	11.65	S to SE	0.0056
MW3	1/30/2013	52.85	10.26	S to SE	0.0076
MW3	4/25/2013	52.46	10.65	S to SE	0.0039
MW3	5/20/2013	51.60	11.51	S to SE	0.0049
MW3	7/25/2013	51.03	12.08	S to SE	0.0060
MW3	10/24/2013	50.38	12.73	S to SW	0.0062
MW3	12/4/2013	49.53	13.58	S to SW	0.0062
MW3	1/31/2014	49.30	13.81	S to SW	0.0058
MW5	2/2/2012	56.00	7.02	SE	0.008
MW5	4/24/2012	57.61	5.41	SE	0.008
MW5	7/25/2012	54.51	8.51	SE	0.0085
MW5	10/23/2012	52.76	10.26	S to SE	0.0056
MW5	1/29/2013	56.91	6.11	S to SE	0.0076
MW5	4/24/2013	53.53	9.49	S to SE	0.0039
MW5	5/20/2013	53.71	9.31	S to SE	0.0049
MW5	7/24/2013	52.01	11.01	S to SE	0.0060
MW5	10/23/2013	50.61	12.41	S to SW	0.0062
MW5	12/4/2013	50.41	12.61	S to SW	0.0062
MW5	1/30/2014	49.99	13.03	S to SW	0.0058
MW6	2/3/2012	54.58	8.61	SE	0.008
MW6	4/24/2012	55.67	7.52	SE	0.008
MW6	7/26/2012	54.67	8.52	SE	0.0085
MW6	10/24/2012	53.44	9.75	S to SE	0.0056
MW6	1/30/2013	53.49	9.70	S to SE	0.0076
MW6	4/25/2013	53.12	10.07	S to SE	0.0039
MW6	5/20/2013	53.03	10.16	S to SE	0.0049
MW6	7/25/2013	52.14	11.05	S to SE	0.0060
MW6	10/24/2013	51.08	12.11	S to SW	0.0062
MW6	12/4/2013	50.86	12.33	S to SW	0.0062
MW6	1/31/2014	50.71	12.48	S to SW	0.0058
MW7	2/2/2012	52.00	11.73	SE	0.008
MW7	4/24/2012	52.95	10.78	SE	0.008
MW7	7/25/2012	52.04	11.69	SE	0.0085
MW7	10/23/2012	51.67	12.06	S to SE	0.0056
MW7	1/29/2013	51.43	12.30	S to SE	0.0076
MW7	4/24/2013	51.17	12.56	S to SE	0.0039
MW7	5/20/2013	51.03	12.70	S to SE	0.0049
MW7	7/24/2013	50.75	12.98	S to SE	0.0060
MW7	10/23/2013	50.47	13.26	S to SW	0.0062
MW7	12/4/2013	50.32	13.41	S to SW	0.0062
MW7	1/30/2014	50.12	13.61	S to SW	0.0058

TABLE 1
GROUNDWATER ELEVATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Date	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet)	Groundwater Flow Direction	Gradient (ft./ft.)
Reporting Data		***Elevation Data***		***Flow Data***	
MW8	2/2/2012	50.25	13.33	SE	0.008
MW8	4/25/2012	50.75	12.83	SE	0.008
MW8	7/25/2012	50.17	13.41	SE	0.0085
MW8	10/23/2012	49.89	13.69	S to SE	0.0056
MW8	1/29/2013	50.26	13.32	S to SE	0.0076
MW8	4/24/2013	49.76	13.82	S to SE	0.0039
MW8	5/20/2013	49.65	13.93	S to SE	0.0049
MW8	7/24/2013	49.55	14.03	S to SE	0.0060
MW8	10/23/2013	49.36	14.22	S to SW	0.0062
MW8	12/4/2013	49.30	14.28	S to SW	0.0062
MW8	1/30/2014	49.15	14.43	S to SW	0.0058
MW9	2/3/2012	54.59	7.61	SE	0.008
MW9	4/25/2012	55.87	6.33	SE	0.008
MW9	7/26/2012	53.93	8.27	SE	0.0085
MW9	10/24/2012	52.65	9.55	S to SE	0.0056
MW9	1/30/2013	53.99	8.21	S to SE	0.0076
MW9	4/25/2013	53.05	9.15	S to SE	0.0039
MW9	5/20/2013	52.79	9.41	S to SE	0.0049
MW9	7/25/2013	51.87	10.33	S to SE	0.0060
MW9	10/24/2013	50.74	11.46	S to SW	0.0062
MW9	12/4/2013	50.32	11.88	S to SW	0.0062
MW9	1/31/2014	50.00	12.20	S to SW	0.0058
MW10	2/3/2012	53.79	9.94	SE	0.008
MW10	4/25/2012	55.28	8.45	SE	0.008
MW10	7/26/2012	53.51	10.22	SE	0.0085
MW10	10/24/2012	52.49	11.24	S to SE	0.0056
MW10	1/30/2013	53.20	10.53	S to SE	0.0076
MW10	4/25/2013	52.50	11.23	S to SE	0.0039
MW10	5/20/2013	52.28	11.45	S to SE	0.0049
MW10	7/25/2013	51.55	12.18	S to SE	0.0060
MW10	10/24/2013	50.61	13.12	S to SW	0.0062
MW10	12/4/2013	50.16	13.57	S to SW	0.0062
MW10	1/31/2014	49.95	13.78	S to SW	0.0058
MW11	2/2/2012	53.72	9.30	SE	0.008
MW11	4/25/2012	54.87	8.15	SE	0.008
MW11	7/25/2012	52.84	10.18	SE	0.0085
MW11	10/23/2012	51.94	11.08	S to SE	0.0056
MW11	1/29/2013	53.34	9.68	S to SE	0.0076
MW11	4/24/2013	52.04	10.98	S to SE	0.0039
MW11	5/20/2013	51.84	11.18	S to SE	0.0049
MW11	7/24/2013	51.25	11.77	S to SE	0.0060
MW11	10/23/2013	50.39	12.63	S to SW	0.0062
MW11	12/4/2013	50.02	13.00	S to SW	0.0062
MW11	1/30/2014	49.85	13.17	S to SW	0.0058
MW12	2/2/2012	52.87	11.10	SE	0.008
MW12	4/24/2012	54.34	9.63	SE	0.008
MW12	7/25/2012	52.70	11.27	SE	0.0085
MW12	10/23/2012	52.10	11.87	S to SE	0.0056
MW12	1/29/2013	52.27	11.70	S to SE	0.0076
MW12	4/24/2013	51.67	12.30	S to SE	0.0039
MW12	5/20/2013	51.46	12.51	S to SE	0.0049
MW12	7/24/2013	51.05	12.92	S to SE	0.0060
MW12	10/23/2013	50.51	13.46	S to SW	0.0062
MW12	12/4/2013	50.31	13.66	S to SW	0.0062
MW12	1/30/2014	50.09	13.88	S to SW	0.0058
MW13	2/2/2012	52.95	10.51	SE	0.008
MW13	4/25/2012	54.15	9.31	SE	0.008
MW13	7/25/2012	52.15	11.31	SE	0.0085
MW13	10/23/2012	51.51	11.95	S to SE	0.0056
MW13	1/29/2013	52.34	11.12	S to SE	0.0076
MW13	4/24/2013	51.26	12.20	S to SE	0.0039
MW13	5/20/2013	51.18	12.28	S to SE	0.0049
MW13	7/24/2013	50.76	12.70	S to SE	0.0060
MW13	10/23/2013	50.29	13.17	S to SW	0.0062
MW13	12/4/2013	50.13	13.33	S to SW	0.0062
MW13	1/30/2014	49.94	13.52	S to SW	0.0058

TABLE 1
GROUNDWATER ELEVATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Date	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet)	Groundwater Flow Direction	Gradient (ft./ft.)
Reporting Data		***Elevation Data***		***Flow Data***	
MW14	2/2/2012	53.68	9.85	SE	0.008
MW14	4/24/2012	54.93	8.6	SE	0.008
MW14	7/25/2012	53.68	9.85	SE	0.0085
MW14	10/23/2012	52.85	10.68	S to SE	0.0056
MW14	1/29/2013	53.11	10.42	S to SE	0.0076
MW14	4/24/2013	52.56	10.97	S to SE	0.0039
MW14	5/20/2013	52.26	11.27	S to SE	0.0049
MW14	7/24/2013	51.64	11.89	S to SE	0.0060
MW14	10/23/2013	50.82	12.71	S to SW	0.0062
MW14	12/4/2013	50.51	13.02	S to SW	0.0062
MW14	1/30/2014	50.35	13.18	S to SW	0.0058
MW15	2/3/2012	52.50	6.91	SE	0.008
MW15	4/24/2012	52.84	6.57	SE	0.008
MW15	7/26/2012	51.96	7.45	SE	0.0085
MW15	10/24/2012	51.50	7.91	S to SE	0.0056
MW15	1/30/2013	51.93	7.48	S to SE	0.0076
MW15	4/25/2013	51.30	8.11	S to SE	0.0039
MW15	5/20/2013	51.29	8.12	S to SE	0.0049
MW15	7/25/2013	50.74	8.67	S to SE	0.0060
MW15	10/24/2013	50.10	9.31	S to SW	0.0062
MW15	12/4/2013	49.93	9.48	S to SW	0.0062
MW15	1/31/2014	49.74	9.67	S to SW	0.0058
MW16	2/3/2012	49.50	11.72	SE	0.008
MW16	4/24/2012	50.04	11.18	SE	0.008
MW16	7/26/2012	49.41	11.81	SE	0.0085
MW16	10/24/2012	49.10	12.12	S to SE	0.0056
MW16	1/30/2013	50.20	11.02	S to SE	0.0076
MW16	4/25/2013	49.37	11.85	S to SE	0.0039
MW16	5/20/2013	49.23	11.99	S to SE	0.0049
MW16	7/25/2013	48.87	12.35	S to SE	0.0060
MW16	10/24/2013	48.70	12.52	S to SW	0.0062
MW16	12/4/2013	48.75	12.47	S to SW	0.0062
MW16	1/31/2014	48.55	12.67	S to SW	0.0058
MW17	2/2/2012	43.41	20.96	SE	0.008
MW17	4/24/2012	43.65	20.72	SE	0.008
MW17	7/25/2012	43.92	20.45	SE	0.0085
MW17	10/23/2012	43.91	20.46	S to SE	0.0056
MW17	1/29/2013	44.02	20.35	S to SE	0.0076
MW17	4/24/2013	44.41	19.96	S to SE	0.0039
MW17	5/20/2013	44.55	19.82	S to SE	0.0049
MW17	7/24/2013	44.00	20.37	S to SE	0.0060
MW17	10/23/2013	43.46	20.91	S to SW	0.0062
MW17	12/4/2013	43.41	20.96	S to SW	0.0062
MW17	1/30/2014	43.26	21.11	S to SW	0.0058
FTMW1[7]	2/2/12	54.04	6.25	SE	0.008
FTMW1[7]	7/26/12	53.71	6.58	SE	0.0085
FTMW1	1/30/2013	53.76	6.53	S to SE	0.0076
FTMW1	7/25/2013	52.15	8.14	S to SE	0.0060
FTMW2[7]	2/2/12	53.42	6.81	SE	0.008
FTMW2[7]	7/26/12	52.88	7.35	SE	0.0085
FTMW2	1/30/2013	52.95	7.28	S to SE	0.0076
FTMW2	7/25/2013	51.56	8.67	S to SE	0.0060
FTMW3[7]	2/2/12	52.98	6.14	SE	0.008
FTMW3[7]	7/26/12	52.22	6.90	SE	0.0085
FTMW3	1/30/2013	52.21	6.91	S to SE	0.0076
FTMW3	7/25/2013	51.11	8.01	S to SE	0.0060

TABLE 1
GROUNDWATER ELEVATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Date	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet)	Groundwater Flow Direction	Gradient (ft./ft.)
Reporting Data		***Elevation Data***		***Flow Data***	
FTMW4[7]	2/2/12	54.32	7.20	SE	0.008
FTMW4[7]	7/26/12	53.49	8.03	SE	0.0085
FTMW4	1/30/2013	53.71	7.81	S to SE	0.0076
FTMW4	7/25/2013	51.80	9.72	S to SE	0.0060
FTMW5[7]	2/2/12	53.63	7.62	SE	0.008
FTMW5[7]	7/26/12	52.74	8.51	SE	0.0085
FTMW5	1/30/2013	52.95	8.30	S to SE	0.0076
FTMW5	7/25/2013	51.30	9.95	S to SE	0.0060

NOTES:
1. depth to groundwater as measured from surveyed top of well casing.
2. Original top of casing (TOC) elevations as surveyed by Advanced Survey Concepts on April 18, 2001.
   TOC elevations are as follows: MW1 = 62.78 feet above mean sea level (MSL), MW2 = 63.69 MSL, MW3 = 64.08 MSL.
   Revised TOC elevations as surveyed by KdM Meridian on July 2, 2007.
   TOC elevations are as follows: MW1 = 61.83 feet above mean sea level (MSL), MW2 = 62.72 MSL, MW3 = 63.11 MSL.
3. MSL = mean sea level.
4. ft. = feet or foot.
5. Groundwater flow direction abbrieviations as follows: N = North, S = South, E = East, W = West.
6. Beginning August 16, 2007, water table elevations based on revised survey of Top of Casing (TOC) elevations.
7. Groundwater elevation measurements provided by Environ on behalf of Flexible Technologies.
8. For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Carbon Tetrachloride	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis 1,2-DCE	trans 1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	1,2,3-TCP	Vinyl Chloride	Carbon Disulfide
		MCL/NL	0.5	80	5	0.5	6	6	10	5	5	200	5	5	150	1200	0.005	0.5	160
Reporting Data			Halogenated Hydrocarbons																
MW1	MW1	2/3/2012	<50	230	1600	93	2600	13000	<100	<1000	370	190	51 J	1000	<1000	150 J	0.16	10000	<1000
	MW1	4/25/2012	<25	91	800	47	1500	6600	24 J	<500	840	62	25 J	1100	<500	120 J	<0.25	5300	<500
	MW1	7/26/2012	<100	310	2000	110	3700	17000	<200	<2000	930	380	78 J	1800	<2000	370 J	0.21	10000	<2000
	MW1	10/24/2012	<50	430	1800	120	2300	13000	65 J	<1000	560	330	90 J	1300	<1000	<1000	0.33 J	14000	<1000
	MW1	1/30/2013	<50	350	1900	130	3100	15000	<100	<1000	510	210	52 J	1300	<1000	240 J	0.49 J	14000	<1000
	MW1	4/25/2013	<100	350	1400	120	850	5400	<200	970 J	810	850	88 J	620	<2000	250 J	0.61	11000	<2000
	MW1	7/25/2013	<50	880	1900	390	540	2500	<100	19000	300	3300	170	320	<1000	340 J	1.5	15000	<1000
	MW1	10/24/2013	<50	750	1100	230	260	1200	<100	9300	260	4300	150	380	<1000	290 J	2.2	9800	<1000
	MW1	1/31/2014	<50	370	1100	79	<100	100	<100	<1000	150	950	83 J	61 J	<1000	200 J	1.2	5800	<1000
MW2	MW2	2/3/2012	<500	<1000	5500	480 J	19000	2600	<1000	27000	62000	100000	<1000	270000	<10000	4300 J	2.1	470 J	<10000
	MW2	4/25/2012	<500	<1000	950 J	<500	9300	890 J	<1000	3700 J	47000	14000	<1000	79000	<10000	1100 J	1.4 J	<500	<10000
	MW2	7/26/2012	<1000	<2000	7100	670 J	36000	3200	<2000	27000	61000	97000	<2000	240000	<20000	4900 J	3.8	<1000	<20000
	MW2	10/24/2012	<1000	<2000	5900	620 J	34000	2900	<2000	22000	66000	85000	<2000	290000	<20000	3900 J	<5	<1000	<20000
	MW2	1/30/2013	<250	<500	580	<250	4300	290 J	<500	1800 J	52000	12000	<500	75000	<5000	1100 J	<5	<250	<5000
	MW2	4/25/2013	<250	240 J	5200	670	29000	2300	<500	16000	77000	67000	640	260000	<5000	5300	3.3	<250	<5000
	MW2	7/25/2013	<1000	<2000	3900	620 J	22000	1600 J	<2000	10000 J	70000	45000	<2000	200000	<20000	4400 J	4	<1000	<20000
	MW2	10/24/2013	<1200	<2500	5500	780 J	39000	5100	<2500	15000 J	62000	50000	<2500	250000	<25000	4400 J	<5	<1200	<25000
	MW2	1/31/2014	<1000	<2000	5500	690 J	38000	7700	<2000	14000 J	62000	48000	<2000	240000	<20000	4100 J	7.1	<1000	<20000
MW3	MW3	7/29/2011	<500	<1000	<1000	<500	13000	<1000	<1000	<10000	68000	58000	<1000	140000	<10000	1200 J	<12	<500	<10000
	MW3	10/28/2011	<500	<1000	710 J	<500	16000	<1000	<1000	<10000	70000	66000	<1000	150000	<10000	2600 J	20	<500	<10000
	MW3	2/3/2012	<500	<1000	2300	<500	12000	<1000	<1000	1600 J	41000	100000	<1000	120000	<10000	3900 J	2.2	<500	<10000
	MW3	4/25/2012	<500	<1000	<1000	<500	13000	<1000	<1000	<10000	74000	84000	<1000	180000	<10000	920 J	2.7 J	<500	<10000
	MW3	7/26/2012	<250	<500	460 J	<250	9400	<500	<500	<5000	42000	41000	<500	75000	<5000	3100 J	4 J	<250	<5000
	MW3	10/24/2012	<250	<500	480 J	210 J	7300	<500	<500	<5000	49000	41000	<500	83000	<5000	3400 J	1.2 J	<250	<5000
	MW3	1/30/2013	<250	<500	<500	<250	14000	<500	<500	<5000	30000	54000	<500	82000	<5000	1900 J	1.9 J	<250	<5000
	MW3	4/25/2013	<250	<500	380 J	<250	10000	<500	<500	<5000	53000	48000	<500	99000	<5000	3000 J	<2.5	<250	<5000
	MW3	7/25/2013	<250	<500	420 J	170 J	6200	<500	<500	<5000	41000	23000	<500	64000	<5000	3500 J	<2.5	<250	<5000
	MW3	10/24/2013	<250	<500	350 J	<250	2100	<500	<500	<5000	39000	19000	<500	41000	<5000	3000 J	<1.2	<250	<5000
	MW3	1/31/2014	<500	<1000	2800	<500	12000	<1000	<1000	1100 J	63000	130000	<1000	140000	<10000	6000 J	4	<500	<10000
MW5	MW5	2/2/2012	<0.5	<1	<1	<0.5	<1	4.7	0.92 J	<10	<1	<1	<1	1.7	<10	<10	<0.005	<0.5	<10
	MW5	4/24/2012	<0.5	<1	<1	<0.5	<1	3.3	0.76 J	<10	<1	<1	<1	1.2	<10	<10	<0.005	<0.5	<10
	MW5	7/25/2012	<0.5	<1	<1	<0.5	<1	4.5	1	<10	<1	<1	<1	1.3	<10	<10	0.0066	<0.5	<10
	MW5	10/23/2012	<0.5	<1	<1	<0.5	<1	7.6	1.5	<10	<1	<1	<1	1.7	<10	<10	<0.005	<0.5	<10
	MW5	1/29/2013	<0.5	<1	<1	<0.5	<1	11	1.6	<10	<1	<1	<1	1.7	<10	<10	<0.005	<0.5	<10
	MW5	4/24/2013	<0.5	<1	<1	<0.5	<1	5.3	0.78 J	<10	<1	<1	<1	1.5	<10	<10	<0.005	<0.5	<10
	MW5	7/24/2013	<0.5	<1	<1	<0.5	<1	7.5	1.1	<10	<1	<1	<1	1.8	<10	<10	<0.005	<0.5	<10
	MW5	10/23/2013	<0.5	<1	<1	<0.5	<1	22	3	<10	<1	<1	<1	3.3	<10	<10	<0.005	<0.5	<10
	MW5	1/30/2014	<0.5	<1	<1	<0.5	<1	20	2.4	<10	<1	<1	<1	3.5	<10	<10	<0.005	<0.5	<10
MW6	MW6	2/3/2012	<1	<2	1.1 J	<1	7.8	21	3.7	<20	210	2.2	<2	110	<20	3 J	0.0027 J	0.77 J	<20
	MW6	4/24/2012	<1	<2	1 J	<1	8.3	23	4.1	<20	240	0.76 J	<2	100	<20	2.8 J	0.0062 J	0.84 J	<20
	MW6	7/26/2012	<1	<2	1.4 J	<1	11	31	5.5	<20	210	<2	<2	92	<20	3.9 J	0.0058 J	<1	<20
	MW6	10/24/2012	<0.5	<1	0.96 J	<0.5	7.2	25	4.4	<10	270	0.42 J	<1	99	<10	2.6 J	<0.005	1.3	<10
	MW6	1/30/2013	<0.5	<1	1	<0.5	8.1	34	4.8	<10	150	<1	<1	96	<10	2.3 J	<0.005	0.92	<10
	MW6	4/25/2013	<0.5	<1	0.87 J	<0.5	6	25	4.2	<10	180	<1	<1	91	<10	1.7 J	<0.005	0.44 J	<10
	MW6	7/25/2013	<0.5	<1	0.86 J	<0.5	5.4	21	3.6	<10	170	<1	<1	81	<10	1.5 J	<0.005	<0.5	<10
	MW6	10/24/2013	<0.5	<1	0.85 J	<0.5	6.2	27	4.6	<10	180	<1	<1	90	<10	1.8 J	<0.005	0.68	<10
	MW6	1/31/2014	<0.5	<1	1.3	<0.5	9.4	65	6.4	<10	130	<1	<1	110	<10	1.3 J	<0.005	1.8	<10

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Acetone	2-Butanone	1,2,4-TMB	Benzene	1,4-Dioxane	MTBE	Ethyl benzene	THF	Toluene	m/p-Xylene[3]	o-Xylene[3]	Total Xylenes[3]
		MCL/NL	6300		330	1	1	13	300		150	1750	1750	1750
Reporting Data			*Petroleum Hydrocarbons*											
MW1	MW1	2/3/2012	<2000	<1000	<100	**51**	**6900**	<100	**53 J**	**350 J**	**89 J**	**41 J**	<100	
	MW1	4/25/2012	<1000	<500	<50	**28**	**7300**	**19 J**	**19 J**	**160 J**	**36 J**	<50	<50	
	MW1	7/26/2012	<4000	<2000	<200	**78 J**	**12000**	<200	**86 J**	<4000	**110 J**	<200	<200	
	MW1	10/24/2012	<2000	<1000	<100	**69**	**16000**	**32 J**	**130**	**510 J**	**150**	**78 B,J**	**31 U**	
	MW1	1/30/2013	<2000	<1000	<100	58	**10000**	<100	**92 J**	**370 J**	**140**	**51 J**	<100	
	MW1	4/25/2013	<4000	<2000	<200	**69 J**	**15000**	<200	**62 J**	**400 J**	**98 J**	<200	<200	
	MW1	7/25/2013	<2000	2200	<100	**100**	**14000**	<100	**85 J**	**1200 J**	**160**	**92 J**	**34 J**	
	MW1	10/24/2013	<2000	**1900**	<100	**67**	**43000**	<100	**68 J**	**860 J**	**120**	100	**34 J**	
	MW1	1/31/2014	<2000	<1000	<100	**50**	**20000**	<100	**44 J**	**710 J**	**88 J**	**60 J**	<100	
MW2	MW2	2/3/2012	<20000	<10000	<1000	<500	**74000**	<1000	<1000	**2600 J**	**1100**	<1000	<1000	
	MW2	4/25/2012	<20000	<10000	<1000	<500	**92000**	<1000	<1000	<20000	<1000	<1000	<1000	
	MW2	7/26/2012	<40000	<20000	<2000	<1000	**73000**	<2000	<2000	<40000	**990 J**	<2000	<2000	
	MW2	10/24/2012	<40000	<20000	<2000	<1000	**120000**	<2000	<2000	<40000	**910 J**	<2000	<2000	
	MW2	1/30/2013	<10000	<5000	<500	<250	**3500**	<500	<500	<10000	**140 J**	<500	<500	
	MW2	4/25/2013	<10000	<5000	<500	**120 J**	**76000**	<500	<500	**2200 J**	**870**	<500	<500	
	MW2	7/25/2013	<40000	<20000	<2000	<1000	**34000**	<2000	<2000	<40000	**580 J**	<2000	<2000	
	MW2	10/24/2013	<50000	<25000	<2500	<1200	**85000**	<2500	<2500	<50000	**870 J**	<2500	<2500	
	MW2	1/31/2014	<40000	<20000	<2000	<1000	**110000**	<2000	<2000	<40000	**850 J**	<2000	<2000	
MW3	MW3	7/29/2011	<20000	<10000	<1000	<500	**11000**	<1000	<1000	<20000	<1000	<1000	<1000	
	MW3	10/28/2011	<20000	<10000	<1000	<500	**47000**	<1000	<1000	<20000	<1000	<1000	<1000	
	MW3	2/3/2012	<20000	<10000	<1000	<500	**20000**	<1000	<1000	<20000	**330 J**	<1000	<1000	
	MW3	4/25/2012	<20000	<10000	<1000	<500	**5000**	<1000	<1000	<20000	<1000	<1000	<1000	
	MW3	7/26/2012	<10000	<5000	<500	<250	**12000**	<500	<500	<10000	**120 J**	<500	<500	
	MW3	10/24/2012	<10000	<5000	<500	<250	**20000**	<500	<500	<10000	**180 J**	<500	<500	
	MW3	1/30/2013	<10000	<5000	<500	<250	**6500**	<500	<500	<10000	<500	<500	<500	
	MW3	4/25/2013	<10000	<5000	<500	**110 J**	**9500**	<500	<500	**700 J**	<500	<500	<500	
	MW3	7/25/2013	<10000	<5000	<500	<250	**250000**	<500	<500	<10000	<500	<500	<500	
	MW3	10/24/2013	<10000	<5000	<500	<250	**9000**	<500	<500	<10000	**120 J**	<500	<500	
	MW3	1/31/2014	<20000	<10000	<1000	<500	**24000**	<1000	<1000	<20000	**550 J**	<1000	<1000	
MW5	MW5	2/2/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.88 J**	<1	<1	
	MW5	4/24/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.78 J**	<1	<1	
	MW5	7/25/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**4.8**	<1	<1	
	MW5	10/23/2012	<20	<10	<1	<0.5	**3.2**	<1	<1	<20	**0.42 J**	<1	<1	
	MW5	1/29/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	<1	<1	<1	
	MW5	4/24/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.24 J**	<1	<1	
	MW5	7/24/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.33 J**	<1	<1	
	MW5	10/23/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	<1	<1	<1	
	MW5	1/30/2014	<20	<10	<1	<0.5	<0.99	<1	<1	<20	**0.44 U**	<1	<1	
MW6	MW6	2/3/2012	<40	<20	<2	<1	**110**	**3.9**	<2	<40	**1.4 J**	<2	<2	
	MW6	4/24/2012	<40	<20	<2	<1	**130**	**3.8**	<2	<40	<2	<2	<2	
	MW6	7/26/2012	<40	<20	<2	<1	**130**	**5.2**	<2	<40	**2.8**	<2	<2	
	MW6	10/24/2012	<20	<10	<1	**0.25 J**	**140**	**4**	<1	<20	<1	<1	<1	
	MW6	1/30/2013	<20	**2.5 J**	<1	**0.27 J**	**100**	**4.4**	<1	<20	**0.3 J**	<1	<1	
	MW6	4/25/2013	<20	<10	<1	**0.28 J**	**96**	**4.3**	<1	<20	<1	<1	<1	
	MW6	7/25/2013	<20	<10	<1	**0.23 J**	**89 J**	**3.5**	<1	<20	**0.4 J**	<1	<1	
	MW6	10/24/2013	<20	<10	<1	**0.24 J**	**93**	**4.8**	<1	<20	**1.7 U**	<1	<1	
	MW6	1/31/2014	<20	<10	<1	**0.3 J**	**170**	**6.6**	<1	<20	**0.63 J**	<1	<1	

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FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Carbon Tetrachloride	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis 1,2-DCE	trans 1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	1,2,3-TCP	Vinyl Chloride	Carbon Disulfide
		MCL/NL	0.5	80	5	0.5	6	6	10	5	5	200	5	5	150	1200	0.005	0.5	160
Reporting Data			*Halogenated Hydrocarbons*																
MW7	MW7	2/2/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	0.0049 J	<0.5	<10
	MW7	4/24/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	7/25/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	0.0053	<0.5	<10
	MW7	10/23/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	1/29/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	4/24/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	7/24/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	10/23/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW7	1/30/2014	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
MW8	MW8	2/2/2012	<10	<20	45	23	570	52	<20	<200	630	<20	11 J	1600	<200	32 J	0.083	<10	<200
	MW8	4/25/2012	<5	<10	14	5.9	200	17	<10	<100	270	19	<10	630	<100	16 J	0.018 J	<5	<100
	MW8	7/25/2012	<10	<20	130	53	1700	91	<20	<200	1200	<20	18 J	3400	<200	120 J	0.2	7.9 J	<200
	MW8	10/23/2012	<25	<50	180	94	1900	150	<50	<500	2100	<50	24 J	5400	<500	<500	0.26	<25	<500
	MW8	1/29/2013	<2.5	<5	15	6.7	170	56	<5	<50	150	<5	<5	530	<50	<50	0.03	<2.5	<50
	MW8	4/24/2013	<10	<20	73	36	830	130	<20	<200	680	<20	<20	2200	<200	44 J	0.11	<10	<200
	MW8	7/24/2013	<10	<20	110	56	1200	150	<20	<200	1000	<20	19 J	3400	<200	72 J	0.14	<10	<200
	MW8	10/23/2013	<5	<10	56	28	300	240	<10	<100	260	<10	11	1300	<100	<100	0.18	<5	<100
	MW8	1/30/2014	<5	<10	57	27	340	210	<10	<100	260	<10	8.5 J	1300	<100	<100	0.14	<5	<100
MW9	MW9	2/3/2012	<2.5	<5	<5	<2.5	7.6	57	4.3 J	<50	800	1.7 J	<5	89	<50	94	0.018 J	5.3	<50
	MW9	4/25/2012	<2.5	<5	<5	<2.5	6.7	54	4.1 J	<50	1000	<5	<5	72	<50	120	<0.05	4.4	<50
	MW9	7/26/2012	<2.5	<5	1.5 J	<2.5	8.2	66	3.7 J	<50	600	<5	<5	54	<50	47 J	<0.025	<2.5	<50
	MW9	10/24/2012	<2.5	<5	<5	<2.5	4.9 J	29	2.1 J	<50	640	<5	<5	59	<50	39 J	<0.01	1.9 J	<50
	MW9	1/30/2013	<2.5	<5	<5	<2.5	3.4 J	70	3.1 J	<50	220	<5	<5	41	<50	38 J	<0.025	<2.5	<50
	MW9	4/25/2013	<2.5	<5	<5	<2.5	6.4	26	<5	<50	840	<5	<5	66	<50	62	0.011	<2.5	<50
	MW9	7/25/2013	<2.5	<5	<5	<2.5	10	12	<5	<50	1100	<5	<5	95	<50	110	<0.025	<2.5	<50
	MW9	10/24/2013	<5	<10	<10	<5	15	25	<10	<100	1300	3.1 J	<10	120	<100	110	<0.01	<5	<100
	MW9	1/31/2014	<2.5	<5	<5	<2.5	5.3	91	3.8 J	<50	180	<5	<5	54	<50	4.2 J	<0.01	4.1	<50
MW10	MW10	2/3/2012	<5	<10	31	<5	110	87	5.3 J	<100	290	<10	<10	1300	<100	31 J	0.014 J	<5	<100
	MW10	4/25/2012	<5	<10	17	<5	58	41	<10	<100	210	<10	<10	690	<100	32 J	<0.05	<5	<100
	MW10	7/26/2012	<2.5	<5	24	<2.5	95	82	5.5	<50	360	<5	<5	760	<50	67	<0.025	<2.5	<50
	MW10	10/24/2012	<5	<10	31	<5	190	190	13	<100	1000	<10	<10	1800	<100	100	<0.05	7.1	<100
	MW10	1/30/2013	<5	<10	30	<5	240	240	15	<100	950	<10	<10	1700	<100	170	<0.05	<5	<100
	MW10	4/25/2013	<5	<10	19	<5	120	110	6.7 J	<100	1100	<10	<10	1000	<100	130	<0.05	3.5 J	<100
	MW10	7/25/2013	<5	<10	16	<5	120	120	6.9 J	<100	890	<10	<10	1100	<100	130	<0.025	<5	<100
	MW10	10/24/2013	<5	<10	16	<5	140	160	10	<100	900	<10	<10	1200	<100	150	<0.05	4.7 J	<100
	MW10	1/31/2014	<5	<10	22	<5	200	260	16	<100	1100	<10	<10	1700	<100	190	<0.025	6.7	<100
MW11	MW11	2/2/2012	<50	<100	120	<50	2100	230	<100	<1000	3900	73 J	<100	8700	<1000	140 J	0.15	<50	<1000
	MW11	4/25/2012	<25	<50	78	<25	1000	140	<50	<500	1500	<50	<50	4700	<500	53 J	<0.25	<25	<500
	MW11	7/25/2012	<50	<100	230	34 J	3600	430	<100	<1000	4500	97 J	<100	15000	<1000	250 J	0.35 J	<50	<1000
	MW11	10/23/2012	<250	<500	1100	<250	15000	2400	<500	<5000	26000	<500	<500	64000	<5000	<5000	1.4 J	<250	<5000
	MW11	1/29/2013	<50	<100	210	<50	3100	740	<100	<1000	4000	<100	<100	15000	<1000	<1000	<0.5	<50	<1000
	MW11	4/24/2013	<50	<100	230	<50	3000	730	<100	<1000	5300	<100	<100	16000	<1000	210 J	0.35 J	<50	<1000
	MW11	7/24/2013	<50	<100	470	83	6800	1500	<100	<1000	8400	52 J	110	28000	<1000	440 J	0.56	<50	<1000
	MW11	10/23/2013	<250	<500	2100	400	20000	8500	<500	530 J	28000	<500	600	98000	<5000	1800 J	<2.5	<250	<5000
	MW11	1/30/2014	<250	<500	2100	630	23000	7300	<500	<5000	25000	<500	550	91000	<5000	2400 J	3.7	<250	<5000
MW12	MW12	2/2/2012	<2.5	<5	19	3.6	360	34	6.2	<50	270	<5	<5	880	<50	7.4 J	<0.025	3.9	<50
	MW12	4/24/2012	<1	<2	4.4	0.81 J	66	20	28	<20	63	<2	<2	250	<20	<20	<0.005	1.2	<20
	MW12	7/25/2012	<2.5	<5	19	3.4	380	29	7.6	<50	250	<5	<5	920	<50	6.7 J	0.03	3.7	<50
	MW12	10/23/2012	<2.5	<5	14	<2.5	300	18	<5	<50	300	<5	<5	760	<50	<50	<0.025	<2.5	<50
	MW12	1/29/2013	<2.5	<5	14	<2.5	270	24	<5	<50	140	<5	<5	620	<50	<50	0.013	2.1 J	<50
	MW12	4/24/2013	<5	<10	21	<5	370	34	<10	<100	300	<10	<10	1100	<100	<100	<0.01	4.8 J	<100
	MW12	7/24/2013	<5	<10	25	2.8 J	560	41	<10	<100	360	<10	<10	1300	<100	<100	<0.025	6	<100
	MW12	10/23/2013	<5	<10	27	<5	440	57	<10	<100	280	<10	<10	1300	<100	<100	<0.025	12	<100
	MW12	1/30/2014	<5	<10	38	<5	840	79	<10	<100	440	<10	<10	1900	<100	<100	<0.025	43	<100

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Acetone	2-Butanone	1,2,4-TMB	Benzene	1,4-Dioxane	MTBE	Ethyl benzene	THF	Toluene	m/p-Xylene[3]	o-Xylene[3]	Total Xylenes[3]
		MCL/NL	6300		330	1	1	13	300		150	1750	1750	1750
Reporting Data			*Petroleum Hydrocarbons*											
MW7	MW7	2/2/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.47 J**	<1	<1	
	MW7	4/24/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.86 J**	<1	<1	
	MW7	7/25/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**7.9**	<1	<1	
	MW7	10/23/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.4 J**	<1	<1	
	MW7	1/29/2013	<20	<10	<1	<0.5	**0.84 J**	<1	<1	<20	<1	<1	<1	
	MW7	4/24/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.27 J**	<1	<1	
	MW7	7/24/2013	<20	<10	<1	<0.5	**0.71 J**	<1	<1	<20	**0.59 J**	<1	<1	
	MW7	10/23/2013	<20	<10	<1	<0.5	**0.71 J**	<1	<1	<20	<1	<1	<1	
	MW7	1/30/2014	<20	<10	<1	<0.5	**0.66 J**	<1	<1	<20	**0.39 U**	<1	<1	
MW8	MW8	2/2/2012	<400	<200	<20	<10	**1300**	<20	<20	**42 J**	<20	<20	<20	
	MW8	4/25/2012	<200	<100	<10	<5	**610**	<10	<10	<200	<10	<10	<10	
	MW8	7/25/2012	<400	<200	<20	**6.4 J**	**2400**	<20	<20	**82 J**	**6.6 J**	<20	<20	
	MW8	10/23/2012	<1000	<500	<50	<25	**10000**	<50	<50	<1000	<50	<50	<50	
	MW8	1/29/2013	<100	<50	<5	**1.2 J**	**260**	<5	<5	<100	**1.4 J**	<5	<5	
	MW8	4/24/2013	<400	<200	<20	**4.5 J**	**550**	<20	<20	<400	<20	<20	<20	
	MW8	7/24/2013	<400	<200	<20	**4.3 J**	**2200**	<20	<20	**97 J**	<20	<20	<20	
	MW8	10/23/2013	<200	<100	<10	**1.7 J**	**4400**	<10	<10	**79 J**	<10	<10	<10	
	MW8	1/30/2014	<200	<100	<10	**1.6 J**	**3100**	<10	<10	**80 J**	<10	<10	<10	
MW9	MW9	2/3/2012	<100	<50	<5	<2.5	**130**	**260**	<5	<100	<5	<5	<5	
	MW9	4/25/2012	<100	<50	<5	<2.5	**160**	**280**	<5	<100	<5	<5	<5	
	MW9	7/26/2012	<100	<50	<5	<2.5	**150 J**	**470**	<5	<100	**2.5 J**	<5	<5	
	MW9	10/24/2012	<100	<50	<5	<2.5	**76**	**300**	<5	<100	<5	<5	<5	
	MW9	1/30/2013	<100	<50	<5	<2.5	**150**	**990**	<5	<100	<5	<5	<5	
	MW9	4/25/2013	<100	<50	<5	<2.5	**47**	**420**	<5	<100	<5	<5	<5	
	MW9	7/25/2013	<100	<50	<5	<2.5	**22**	**280**	<5	<100	<5	<5	<5	
	MW9	10/24/2013	<200	<100	<10	<5	**25**	**430**	<10	<200	<10	<10	<10	
	MW9	1/31/2014	<100	<50	<5	<2.5	**150**	**630**	<5	<100	<5	<5	<5	
MW10	MW10	2/3/2012	<200	<100	<10	<5	**220**	**3.6 J**	<10	<200	<10	<10	<10	
	MW10	4/25/2012	<200	<100	<10	<5	**250**	<10	<10	<200	<10	<10	<10	
	MW10	7/26/2012	<100	<50	<5	**0.88 J**	**250**	**4.4 J**	<5	<100	**4.4 J**	<5	<5	
	MW10	10/24/2012	<200	<100	<10	**1.8 J**	**480**	**9.5 J**	<10	<200	<10	<10	<10	
	MW10	1/30/2013	<200	<100	<10	**1.5 J**	**430**	**13**	<10	<200	<10	<10	<10	
	MW10	4/25/2013	<200	<100	<10	<5	**290**	**6.3 J**	<10	<200	<10	<10	<10	
	MW10	7/25/2013	<200	<100	<10	<5	**180 J**	**5 J**	<10	<200	<10	<10	<10	
	MW10	10/24/2013	<200	<100	<10	<5	**380**	**6.3 J**	<10	<200	<10	<10	<10	
	MW10	1/31/2014	<200	<100	<10	**2.1 J**	**480**	**6.6 J**	<10	<200	<10	<10	<10	
MW11	MW11	2/2/2012	<2000	<1000	<100	<50	**2400**	<100	<100	<2000	<100	<100	<100	
	MW11	4/25/2012	<1000	<500	<50	<25	**1100**	<50	<50	<1000	<50	<50	<50	
	MW11	7/25/2012	<2000	<1000	<100	<50	**3000**	<100	<100	<2000	<100	<100	<100	
	MW11	10/23/2012	<10000	<5000	<500	<250	**25000**	<500	<500	<10000	<500	<500	<500	
	MW11	1/29/2013	<2000	<1000	<100	<50	**4200**	<100	<100	<2000	<100	<100	<100	
	MW11	4/24/2013	<2000	<1000	<100	<50	**4000**	<100	<100	<2000	<100	<100	<100	
	MW11	7/24/2013	<2000	<1000	<100	**32 J**	**11000**	<100	<100	**200 J**	<100	<100	<100	
	MW11	10/23/2013	<10000	<5000	<500	**150 J**	**43000**	<500	<500	<10000	**150 J**	<500	<500	
	MW11	1/30/2014	<10000	<5000	<500	**140 J**	**50000**	<500	<500	**1000 J**	**170 U**	<500	<500	
MW12	MW12	2/2/2012	<100	<50	<5	**1.3 J**	**420**	<5	<5	**11 J**	<5	<5	<5	
	MW12	4/24/2012	<40	<20	<2	**0.68 J**	**72**	<2	**0.34 J**	**3.4 J**	<2	**0.57 U**	<2	
	MW12	7/25/2012	<100	<50	<5	**1.1 J**	**360**	<5	<5	**10 J**	**4 J**	<5	<5	
	MW12	10/23/2012	**60 J**	<50	<5	**1 J**	**500**	<5	<5	<100	<5	<5	<5	
	MW12	1/29/2013	<100	<50	<5	**0.72 J**	**300**	<5	<5	<100	<5	<5	<5	
	MW12	4/24/2013	<200	<100	<10	**2 J**	**530**	<10	<10	<200	<10	<10	<10	
	MW12	7/24/2013	<200	<100	<10	**2 J**	**400**	<10	<10	**16 J**	<10	<10	<10	
	MW12	10/23/2013	<200	<100	<10	**2.4 J**	**770**	<10	<10	<200	<10	<10	<10	
	MW12	1/30/2014	<200	<100	<10	**3.3 J**	**690**	<10	<10	**24 J**	<10	<10	<10	

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Carbon Tetrachloride	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis 1,2-DCE	trans 1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	1,2,3-TCP	Vinyl Chloride	Carbon Disulfide
		MCL/NL	0.5	80	5	0.5	6	6	10	5	5	200	5	5	150	1200	0.005	0.5	160
Reporting Data			*Halogenated Hydrocarbons*																
MW13	MW13	2/2/2012	<250	<500	1300	540	15000	3000	<500	<5000	19000	<500	<500	63000	<5000	2700 J	1.6	400	<5000
	MW13	4/25/2012	<250	<500	700	320	8700	2100	<500	<5000	11000	<500	<500	40000	<5000	1400 J	1.4 J	320	<5000
	MW13	7/25/2012	<120	<250	1200	490	14000	2000	<250	<2500	16000	<250	150 J	49000	<2500	2300 J	1.2	280	<2500
	MW13	10/23/2012	<250	<500	920	500	10000	1700	<500	<5000	18000	<500	<500	45000	<5000	<5000	1.5	<250	<5000
	MW13	1/29/2013	<250	<500	840	370	9200	1700	<500	<5000	10000	<500	<500	38000	<5000	530 J	1.3	<250	<5000
	MW13	4/24/2013	<250	<500	1200	540	11000	2400	<500	<5000	16000	<500	<500	52000	<5000	2000 J	1.3	320	<5000
	MW13	7/24/2013	<250	<500	1500	690	17000	3600	<500	<5000	19000	<500	200 J	67000	<5000	2800 J	2.5	410	<5000
	MW13	10/23/2013	<250	<500	1200	430	10000	3300	<500	<5000	13000	<500	<500	49000	<5000	1600 J	1.7	340	<5000
	MW13	1/30/2014	<250	<500	1200	490	14000	3900	<500	<5000	14000	<500	<500	51000	<5000	1800 J	2.7	270	<5000
MW14	MW14	2/2/2012	<0.5	<1	4	<0.5	37	2.2	<1	<10	7.1	<1	<1	34	<10	<10	<0.005	0.38 J	<10
	MW14	4/24/2012	<0.5	<1	3.5	<0.5	33	1.8	<1	<10	6.9	<1	<1	27	<10	<10	<0.005	0.63	<10
	MW14	7/25/2012	<0.5	<1	15	<0.5	140	7.6	<1	<10	6.5	<1	<1	72	<10	<10	0.0036 J	2.6	<10
	MW14	10/23/2012	<0.5	<1	1.9	<0.5	15	1.3	<1	<10	4.5	<1	<1	18	<10	<10	<0.005	<0.5	<10
	MW14	1/29/2013	<0.5	<1	1.7	<0.5	15	1.1	<1	<10	3.1	<1	<1	17	<10	<10	<0.005	<0.5	<10
	MW14	4/24/2013	<0.5	<1	4.6	<0.5	41	2.2	<1	<10	4.3	<1	<1	23	<10	<10	<0.005	0.8	<10
	MW14	7/24/2013	<0.5	<1	1.2	<0.5	9.2	0.84 J	<1	<10	3	<1	<1	13	<10	<10	<0.005	<0.5	<10
	MW14	10/23/2013	<0.5	<1	8.9	<0.5	65	6.6	<1	<10	2.5	<1	<1	46	<10	<10	<0.005	1.8	<10
	MW14	1/30/2014	<0.5	<1	14	<0.5	140	14	<1	<10	7.8	<1	<1	110	<10	<10	0.0025 J	6.4	<10
MW15	MW15	2/3/2012	<100	<200	1500	67 J	12000	10000	<200	<2000	5200	6400	180 J	20000	<2000	<2000	0.8	620	<2000
	MW15	4/24/2012	<100	<200	1900	95 J	17000	12000	<200	<2000	8100	9300	300	23000	<2000	<2000	1.2	2400	<2000
	MW15	7/26/2012	<100	<200	2200	<100	22000	16000	90 J	<2000	7400	8400	190 J	22000	<2000	<2000	1	3100	<2000
	MW15	10/24/2012	<100	<200	1700	55 J	15000	12000	<200	<2000	6300	5400	170 J	21000	<2000	<2000	0.79	3100	<2000
	MW15	1/30/2013	<100	<200	1700	<100	14000	10000	<200	<2000	4900	4300	150 J	17000	<2000	<2000	0.64	650	<2000
	MW15	4/25/2013	<50	51 J	1500	65	11000	7700	43 J	<1000	5300	3900	180	16000	<1000	<1000	1.4	480	<1000
	MW15	7/25/2013	<50	72 J	2100	110	17000	12000	47 J	<1000	7700	7900	270	19000	<1000	110 J	1.4	4300	<1000
	MW15	10/24/2013	<100	93 J	2600	120	26000	15000	<200	<2000	8100	7800	380	26000	<2000	<2000	1.4	6600	<2000
	MW15	1/31/2014	<50	57 J	1700	92	12000	9400	38 J	<1000	3900	2700	250	14000	<1000	<1000	1.2	3100	<1000
MW16	MW16	2/3/2012	<0.5	<1	18	0.89	10	38	1.1	<10	9.2	0.41 J	1	36	<10	<10	0.0061	0.38 J	<10
	MW16	4/24/2012	<0.5	<1	1	<0.5	0.79 J	2.1	<1	<10	6	<1	<1	10	<10	<10	<0.005	<0.5	<10
	MW16	7/26/2012	<0.5	<1	21	0.65	13	43	1.6	<10	10	0.43 J	1	33	<10	<10	0.0078	<0.5	<10
	MW16	10/24/2012	<0.5	<1	21	1	15	46	1.7	<10	13	0.75 J	1.3	40	<10	<10	0.0062 J	0.65	<10
	MW16	1/30/2013	<0.5	<1	<1	<0.5	<1	1	<1	<10	1.8	<1	<1	3.2	<10	<10	<0.005	<0.5	<10
	MW16	4/25/2013	<0.5	0.62 J	7.4	0.31 J	5.6	19	0.69 J	<10	8.2	<1	<1	23	<10	<10	<0.005	<0.5	<10
	MW16	7/25/2013	<0.5	0.6 J	11	0.43 J	8.1	25	0.95 J	<10	9.1	<1	0.59 J	34	<10	<10	<0.005	<0.5	<10
	MW16	10/24/2013	<0.5	<1	17	0.59	10	40	1.5	<10	10	<1	0.92 J	37	<10	<10	<0.005	0.3 J	<10
	MW16	1/31/2014	<0.5	<1	19	0.69	11	42	1.6	<10	8.7	0.37 J	0.94 J	34	<10	<10	<0.005	0.4 J	<10
MW17	MW17	2/2/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	0.0027 J	<0.5	<10
	MW17	4/24/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	7/25/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	10/23/2012	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	1/29/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	4/24/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	7/24/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	10/23/2013	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
	MW17	1/30/2014	<0.5	<1	<1	<0.5	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<0.005	<0.5	<10
FTMW1[5]	FTMW1-020212	2/2/2012	<0.5	<1	1.67	<0.5	1.97	66.2	2.22	<2.5	12.8 U	<1	<1	192	<1		<0.025	1.12	<5
	FTMW1-072612	7/26/2012	<0.5	<1	2.34	<0.5	4.86	140	3.71	<2.5	14.1	<1	<1	300	<1		<0.025	3.77	<5
	FTMW1-012913	1/29/2013	<0.5	<1	4.29	<0.5	9.72	315	10.1	<2.5	15	<1	<1	311	<1		<0.025	5.42	<5
	FTMW1-072513	7/25/2013	<0.5	<1	1.6	<0.5	2.53	69.8	2.12	<2.5	9.1	<1	<1	205	<1		<0.005	2.12	<5
FTMW2[5]	FTMW2-020212	2/2/2012	<0.5	<1	4.54	<0.5	7.14	19.2	1.15	<2.5	49.3	<1	<1	540	<1		<0.01	1.4	<5
	FTMW2-072612	7/26/2012	<0.5	<1	10.4	<0.5	19.6	59.2	3.45	<2.5	99.6	<1	<1	998	<1		0.0086 J	3.94	<5
	FTMW2-012913	1/29/2013	<0.5	<1	6.58	<0.5	13.2	55.3	3.03	<2.5	55.3	<1	<1	681	<1		<0.01	3.85	<5
	FTMW2-072513	7/25/2013	<0.5	<1	9.28	<0.5	18.8	97.7	5.22	<2.5	71.8	<1	<1	1020	<1		<0.025	8.38	<5

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Acetone	2-Butanone	1,2,4-TMB	Benzene	1,4-Dioxane	MTBE	Ethyl benzene	THF	Toluene	m/p-Xylene[3]	o-Xylene[3]	Total Xylenes[3]
		MCL/NL	6300		330	1	1	13	300		150	1750	1750	1750
Reporting Data			*Petroleum Hydrocarbons*											
MW13	MW13	2/2/2012	<10000	<5000	<500	**73 J**	**30000**	<500	<500	**830 J**	<500	<500	<500	
	MW13	4/25/2012	<10000	<5000	<500	<250	**19000**	<500	<500	<10000	<500	<500	<500	
	MW13	7/25/2012	<5000	<2500	<250	**44 J**	**26000**	<250	<250	**660 J**	<250	<250	<250	
	MW13	10/23/2012	<10000	<5000	<500	<250	**29000**	<500	<500	<10000	<500	<500	<500	
	MW13	1/29/2013	<10000	<5000	<500	<250	**16000**	<500	<500	<10000	<500	<500	<500	
	MW13	4/24/2013	<10000	<5000	<500	<250	**34000**	<500	<500	<10000	<500	<500	<500	
	MW13	7/24/2013	<10000	<5000	<500	<250	**24000**	<500	<500	**1000 J**	<500	<500	<500	
	MW13	10/23/2013	<10000	<5000	<500	<250	**51000**	<500	<500	<10000	<500	<500	<500	
	MW13	1/30/2014	<10000	<5000	<500	<250	**8500**	<500	<500	<10000	<500	<500	<500	
MW14	MW14	2/2/2012	<20	<10	<1	<0.5	**34**	<1	<1	<20	**1.3**	<1	<1	
	MW14	4/24/2012	<20	<10	<1	<0.5	**76**	<1	<1	<20	**1.1**	<1	<1	
	MW14	7/25/2012	<20	<10	<1	**0.2 J**	**170**	<1	<1	**2 J**	**1.9**	<1	<1	
	MW14	10/23/2012	<20	<10	<1	<0.5	**30**	<1	<1	<20	**0.62 J**	<1	<1	
	MW14	1/29/2013	<20	<10	<1	<0.5	**16**	<1	<1	<20	**0.41 J**	<1	<1	
	MW14	4/24/2013	<20	<10	<1	<0.5	**110**	<1	<1	<20	**0.28 J**	<1	<1	
	MW14	7/24/2013	<20	<10	<1	<0.5	**13 J**	<1	<1	<20	<1	<1	<1	
	MW14	10/23/2013	<20	<10	<1	**0.16 J**	**99**	<1	<1	<20	<1	<1	<1	
	MW14	1/30/2014	<20	<10	<1	**0.32 J**	**190**	<1	<1	**2.3 J**	**0.67 U**	<1	<1	
MW15	MW15	2/3/2012	<4000	<2000	<200	**65 J**	**2300**	<200	<200	<4000	<200	<200	<200	
	MW15	4/24/2012	<4000	<2000	<200	**89 J**	**2800**	<200	<200	**280 J**	<200	<200	<200	
	MW15	7/26/2012	<4000	<2000	<200	**92 J**	**2700**	<200	<200	<4000	<200	<200	<200	
	MW15	10/24/2012	<4000	<2000	<200	**77 J**	**2400**	<200	<200	<4000	<200	<200	<200	
	MW15	1/30/2013	<4000	<2000	<200	**66 J**	**2300**	<200	<200	<4000	<200	<200	<200	
	MW15	4/25/2013	<2000	<1000	<100	**69**	**3200**	<100	<100	<2000	<100	<100	<100	
	MW15	7/25/2013	<2000	<1000	<100	**100**	**4200**	<100	<100	<2000	**36 J**	<100	<100	
	MW15	10/24/2013	<4000	<2000	<200	**120**	**6200**	<200	<200	<4000	**63 J**	<200	<200	
	MW15	1/31/2014	<2000	<1000	<100	**76**	**5300**	<100	<100	**140 J**	<100	<100	<100	
MW16	MW16	2/3/2012	<20	<10	<1	<0.5	**260**	<1	<1	**2.7 J**	**2**	<1	<1	
	MW16	4/24/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.41 J**	<1	<1	
	MW16	7/26/2012	<20	<10	<1	<0.5	**270**	<1	<1	**1.5 J**	**3.3**	<1	<1	
	MW16	10/24/2012	<20	<10	<1	<0.5	**320**	<1	<1	**3.7 J**	<1	<1	<1	
	MW16	1/30/2013	<20	<10	<1	<0.5	**2.5**	<1	<1	<20	**1.3**	<1	<1	
	MW16	4/25/2013	<20	<10	<1	<0.5	**42**	<1	<1	**1.9 J**	<1	<1	<1	
	MW16	7/25/2013	<20	<10	<1	<0.5	**65**	<1	<1	<20	**0.35 J**	<1	<1	
	MW16	10/24/2013	<20	**6.7 J**	<1	<0.5	**140**	<1	<1	**1.4 J**	**0.31 U**	<1	<1	
	MW16	1/31/2014	<20	<10	<1	<0.5	**190**	<1	<1	**1.9 J**	**0.38 J**	<1	<1	
MW17	MW17	2/2/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**3.4**	<1	<1	
	MW17	4/24/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**1.3**	<1	<1	
	MW17	7/25/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**3.9**	<1	<1	
	MW17	10/23/2012	<20	<10	<1	<0.5	<1	<1	<1	<20	**0.66 J**	<1	<1	
	MW17	1/29/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	<1	<1	<1	
	MW17	4/24/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	<1	<1	<1	
	MW17	7/24/2013	<20	<10	<1	<0.5	<1 UJ	<1	<1	<20	**0.33 J**	<1	<1	
	MW17	10/23/2013	<20	<10	<1	<0.5	<1	<1	<1	<20	<1	<1	<1	
	MW17	1/30/2014	<20	<10	<1	<0.5	**0.78 J**	<1	<1	<20	**0.25 U**	<1	<1	
FTMW1[5]	FTMW1-020212	2/2/2012	<10	<5	<1	<1	**13**	<1	<1	**97.6**	<1	<1	<1	
	FTMW1-072612	7/26/2012	<10	<5	<1	<1	**38**	<1	<1	**762**	<1	<1	<1	
	FTMW1-012913	1/29/2013	<10	<5	<1	<1	**73**	**1.05**	<1	**376**	<1	<1	<1	
	FTMW1-072513	7/25/2013	<10	<5	<1	<1	**20**	<1	<1	**388**	<1	<1	<1	
FTMW2[5]	FTMW2-020212	2/2/2012	<10	<5	<1	<1	**47**	<1	<1	**37.8**	<1	<1	<1	
	FTMW2-072612	7/26/2012	<10	<5	<1	<1	**85**	**1.09**	<1	**153**	<1	<1	<1	
	FTMW2-012913	1/29/2013	<10	<5	<1	<1	**41**	<1	<1	**167**	<1	<1	<1	
	FTMW2-072513	7/25/2013	<10	<5	<1	<1	**80**	**1.33**	<1	**223**	<1	<1	<1	

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Carbon Tetrachloride	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis 1,2-DCE	trans 1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	1,2,3-TCP	Vinyl Chloride	Carbon Disulfide
		MCL/NL	0.5	80	5	0.5	6	6	10	5	5	200	5	5	150	1200	0.005	0.5	160
Reporting Data			*Halogenated Hydrocarbons*																
FTMW3[5]	FTMW3-020212	2/2/2012	<0.5	<1	<1	<0.5	<1	7.97	<1	<2.5	2.38 U	<1	<1	38.4 U	<1		<0.005	<0.5	<5
	FTMW3-072612	7/26/2012	<0.5	<1	<1	<0.5	<1	3.62	<1	<2.5	1.14	<1	<1	17	<1		<0.005	<0.5	<5
	FTMW3-012913	1/29/2013	<0.5	<1	<1	<0.5	<1	13.8	<1	<2.5	3.23	<1	<1	65.4	<1		<0.005	<0.5	<5
	FTMW3-072513	7/25/2013	<0.5	<1	<1	<0.5	<1	12.9	<1	<2.5	3.81	<1	<1	63.3	<1		<0.005	<0.5	<5
FTMW4[5]	FTMW4-020212	2/2/2012	<25	58.5	327	42.5	1480	784	<50	<125	2740	444	<50	5920	<50		0.17	<25	<250
	FTMW4-072612	7/26/2012	<25	<50	404	25.5	1840	593	<50	<125	3950	465	<50	16700	<50		0.18	<25	<250
	FTMW4-012913	1/29/2013	<0.5	6.48	122	7.06	706	420	4.9	<2.5	1210	370	5.81	1880	<1		<0.12	9.16	<5
	FTMW4-072513	7/25/2013	<10	<20	442	14.2	1900	791	<20	<50	3720	487 J	<20	16300	<20		0.13	<10	<100
FTMW5[5]	FTMW5-020212	2/2/2012	<25	54	752	84.5	7510	3160	<50	<125	21500	8460	83	52100	<50		0.73	26	<250
	FTMW5-072612	7/26/2012	<25	<50	824	62.5	10600	2800	<50	<125	21100	11000	66.5	62500	<50		1.2 J	36.5	<250
	FTMW-5-012913	1/29/2013	<25	<50	564	45	5580	1760	<50	<125	8090	11600	<50	37400	<50		0.55	252	<250
	FTMW5-072513	7/25/2013	<25	<50	725	49.5	8490	1740	<50	<125	8290	11100	59.5	74800	<50		0.79	351	<250

NOTES:
1. Groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method No.
2. Abbreviations used for chemical constituents:
1,1-DCA = 1,1 – Dichloroethane
cis 1,2-DCE = cis 1,2 – Dichloroethene
1,1,2-TCA = 1,1,2-Trichloroethane
1,2-DCA = 1,2 – Dichloroethane
1,1,1-TCA = 1,1,1 - Trichloroethane
TCFM = Trichlorofluoromethane
TCTFA = 1,1,2-Trichloro 1,2,2-trifluorethane (Freon 113)
THF = Tetrahydrofuran
1,2,4-TMB = 1,2,4-Trimethylbenzene
PCE = Tetrachloroethene
TCE = Trichloroethene
trans 1,2-DCE = trans 1,2 - Dichloroethene
1,1-DCE = 1,1-Dichloroethene
m/p-Xylene = meta/para Xylene
o -Xylene = ortho Xylene
1,2,3-TCP = 1,2,3-Trichloropropane
MTBE - Methyl-tert butyl ether
3. Concentration data included for m/p-Xylene, o-Xylene and Total Xylenes only when provided by
4. Data qualifiers:
J = Estimated value, reported concentration between the method detection limit (MDL) and reporting
U = Qualified as non-detect due to presence of compound in trip or equipment blanks
NS = Not sampled
5. Sample results reported for Flexible Technologies monitoring wells (FTMW1 through FTMW5)
6. MCL = Maximum Contaminant Level
7. NL = Notification Level
8. For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

Table 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Monitor Well ID	Sample Number	Date	Acetone	2-Butanone	1,2,4-TMB	Benzene	1,4-Dioxane	MTBE	Ethyl benzene	THF	Toluene	m/p-Xylene[3]	o-Xylene[3]	Total Xylenes[3]
		MCL/NL	6300		330	1	1	13	300		150	1750	1750	1750
Reporting Data			*Petroleum Hydrocarbons*											
FTMW3[5]	FTMW3-020212	2/2/2012	<10	<5	<1	<1	**1.3**	<1	<1	<5	<1	<1	<1	
	FTMW3-072612	7/26/2012	<10	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	
	FTMW3-012913	1/29/2013	<10	<5	<1	<1	**4.3**	<1	<1	<5	<1	<1	<1	
	FTMW3-072513	7/25/2013	<10	<5	<1	<1	**4.6**	<1	<1	<5	<1	<1	<1	
FTMW4[5]	FTMW4-020212	2/2/2012	<500	<250	<50	<50	**2400**	<50	<50	<250	<50	<50	<50	
	FTMW4-072612	7/26/2012	<500	<250	<50	<50	**1800**	<50	<50	<250	<50	<50	<50	
	FTMW4-012913	1/29/2013	<10	<5	<1	**5.33**	**350**	<1	<1	**7.36**	<1	<1	<1	
	FTMW4-072513	7/25/2013	<200	<100	<20	<20	**890**	<20	<20	<100	<20	<20	<20	
FTMW5[5]	FTMW5-020212	2/2/2012	<500	<250	<50	<50	**4100**	<50	<50	<250	<50	<50	**61**	
	FTMW5-072612	7/26/2012	<500	<250	<50	<50	**4500**	<50	<50	**302**	<50	<50	<50	
	FTMW-5-012913	1/29/2013	<500	<250	<50	<50	**2200**	<50	<50	**362**	<50	<50	<50	
	FTMW5-072513	7/25/2013	<500	<250	<50	<50	**2100**	<50	<50	**262**	<50	<50	<50	

NOTES:
1. Groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method No.
2. Abbreviations used for chemical constituents:

1,1-DCA = 1,1 – Dichloroethane
cis 1,2-DCE = cis 1,2 – Dichloroethene
1,1,2-TCA = 1,1,2-Trichloroethane
1,2-DCA = 1,2 – Dichloroethane
1,1,1-TCA = 1,1,1 - Trichloroethane
TCFM = Trichlorofluoromethane
TCTFA = 1,1,2-Trichloro 1,2,2-trifluorethane (Freon 113)
THF = Tetrahydrofuran
1,2,4-TMB = 1,2,4-Trimethylbenzene
PCE = Tetrachloroethene
TCE = Trichloroethene
trans 1,2-DCE = trans 1,2 - Dichloroethene
1,1-DCE = 1,1-Dichloroethene
m/p-Xylene = meta/para Xylene
o -Xylene = ortho Xylene
1,2,3-TCP = 1,2,3-Trichloropropane
MTBE - Methyl-tert butyl ether

3. Concentration data included for m/p-Xylene, o-Xylene and Total Xylenes only when provided by
4. Data qualifiers:
J = Estimated value, reported concentration between the method detection limit (MDL) and reporting
U = Qualified as non-detect due to presence of compound in trip or equipment blanks
NS = Not sampled
5. Sample results reported for Flexible Technologies monitoring wells (FTMW1 through FTMW5)
6. MCL = Maximum Contaminant Level
7. NL = Notification Level
8. For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

TABLE 3
SLAB ISOLATION SYSTEM EXTRACTION AND TREATMENT DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Operating Time (hours)	Operating Vacuum (inches H2O)	Pitot Tube dP (inches H2O)	Operating Flow (scfm)	Vapor Concentration (vGAC Influent) (ppmv)	Vapor Concentration (vGAC Intermediate) (ppmv)	Vapor Concentration (vGAC Effluent) (ppmv)	Vapor Concentration (vGAC Influent) (µg/L)	Vapor Concentration (vGAC Effluent) (µg/L)	Interpolated Concentration (µg/L)[1]	VOC Recovery Rate (lb/day)	Cumulative VOC Mass Removed (lb)
	Treatment System Operational Data				*Based on PID Field Measurements*			*Calculations Based on Laboratory Analytical Data*				
12/15/2005	25	80	0.6	152.4	300	0	0	8,066		8066	110	110
1/6/2012	47117	70	0.7	74.0	1724	5.4	2.3			615	4.1	6,758
1/17/2012	47382	70	0.55	65.6	1421	9.2	4.3	749	1.4	749	4.4	6,800
1/27/2012	47621	74	0.55	65.6	1603	19.8	4.6			698	4.1	6,838
2/7/2012	47886	97	0.35	52.3	1020	8.5	3.2	641	15.8	641	3.0	6,881
2/17/2012	48125	89	0.48	61.3	902	9.8	5.7			728	4.0	6,919
2/28/2012	48389	80	0.45	59.3	928	12.7	6.3			825	4.4	6,966
3/13/2012	48724	87	0.5	62.6	1643	13.8	7.3	946	25.0	946	5.3	7,030
3/23/2012	48964	85	0.52	63.8	2692	19.7	7.8			894	5.1	7,082
4/3/2012	49228	86	0.5	62.6	2837	19.1	11.3			837	4.7	7,135
4/10/2012	49394	86	0.5	62.6	2502	0	0	801	0.5	801	4.5	7,167
4/20/2012	49634	86	0.5	62.6	795	0	0			742	4.2	7,211
5/1/2012	49899	86	0.5	62.6	1695	5.3	0			678	3.8	7,255
5/15/2012	50234	86	0.5	62.6	1249	5.9	1.2	595	5.5	595	3.3	7,304
5/25/2012	50474	85	0.5	62.6	1704	5.4	3.1			549	3.1	7,336
6/5/2012	50738	88	0.13	31.9	1744	9	5.5			499	1.4	7,362
6/19/2012	51075	90	0.5	62.6	2206	8.5	5.6	435	86.1	435	2.4	7,397
6/29/2012	51314	83	0.5	62.6	1154	50	6.4			606	3.4	7,427
7/13/2012	51649	83	0.5	62.6	3905	0	0	846	1.6	846	4.8	7,487
7/24/2012	51913	82	0.6	68.5	1882	19.1	1.7			881	5.4	7,543
8/3/2012	52152	81	0.5	62.6	1430	21.9	2.9			912	5.1	7,583
8/14/2012	52415	80	0.5	62.6	1011	4.8	0			947	5.3	7,641
8/24/2012	52655	81	0.5	62.6	1327	3.3	0.2			978	5.5	7,695
8/31/2012	52823	80	0.52	63.8	1542	28.9	1.6	1000	5.0	1000	5.7	7,735
9/11/2012	53017	76	0.6	68.5	824	0	0			893	5.5	7,778
9/14/2012	53089	79	0.52	63.8	989	0	0	854	18.7	854	4.9	7,792
9/21/2012	53257	76	0.54	65.0	270	1.1	0.5			919	5.4	7,828
9/28/2012	53425	76	0.5	62.6	1632	8.4	1.7			985	5.5	7,866
10/16/2012	53798	75	0.5	62.6	1550	25.1	0	1130	5.3	1130	6.3	7,962
11/13/2012	54472	85	0.65	71.3	3379	51.1	0	969	29.9	969	6.2	8,144
12/14/2012	55139	100	0.52	63.8	2132	155	4.3	1090	22.0	1090	6.2	8,309
1/8/2013	55619	80	0.5	62.6	1062	56.3	0.4	448	13.3	448	2.5	8,387
1/18/2013	55859	84	0.5	62.6	1523	56.4	0			500	2.8	8,414
1/29/2013	56123	82	0.5	62.6	979	46.8	0			557	3.1	8,447
2/5/2013	56291	60	0.5	62.6	997	58.9	10.4			594	3.3	8,466
2/12/2013	56314	84	0.25	44.2	1004	32.2	0	599	0.5	599	2.4	8,468
2/22/2013	56551	80	0.25	44.2	893	23.8	0			547	2.2	8,497
2/26/2013	56645	80	0.25	44.2	1212	25.8	14			526	2.1	8,505
3/5/2013	56807	80	0.25	44.2	1174	16.1	0	490	5.3	490	1.9	8,518
3/15/2013	57046	80	0.25	44.2	1258	37.6	0			484	1.9	8,537
3/26/2013	57310	84	0.25	44.2	742	50.2	13.5			474	1.9	8,558
4/9/2013	57572	85	0.25	44.2	885	27.4	0			466	1.9	8,579
4/19/2013	57810	85	0.25	44.2	746	56.3	0	458	3.2	458	1.8	8,597

TABLE 3
SLAB ISOLATION SYSTEM EXTRACTION AND TREATMENT DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Operating Time (hours)	Operating Vacuum (inches H2O)	Pitot Tube dP (inches H2O)	Operating Flow (scfm)	Vapor Concentration (vGAC Influent) (ppmv)	Vapor Concentration (vGAC Intermediate) (ppmv)	Vapor Concentration (vGAC Effluent) (ppmv)	Vapor Concentration (vGAC Influent) (µg/L)	Vapor Concentration (vGAC Effluent) (µg/L)	Interpolated Concentration (µg/L)[1]	VOC Recovery Rate (lb/day)	Cumulative VOC Mass Removed (lb)
	Treatment System Operational Data				*Based on PID Field Measurements*			*Calculations Based on Laboratory Analytical Data*				
4/30/2013	58072	85	0.13	31.9	918	48.6	0			537	1.5	8,620
5/14/2013	58405	80	0.25	44.2	1622	38.6	4.1			637	2.5	8,654
5/24/2013	58644	115	0.4	56.0	1579	68.5	0	709	2.8	709	3.6	8,690
6/4/2013	58908	85	0.25	44.2	2611	65.1	5			814	3.2	8,732
6/21/2013	59159	85	0.25	44.2	2632	0	0			913	3.6	8,768
6/28/2013	59327	85	0.25	44.2	2570	20.8	0	979	2.2	979	3.9	8,795
7/9/2013	59509	85	0.5	62.6	2471	54.8	0			1291	7.3	8,839
7/16/2013	59677	105	0.5	62.6	4725	134	0	1579	2.2	1579	8.9	8,897
7/19/2013	59749	105	0.5	62.6	3252	116	2			1471	8.3	8,922
8/9/2013	60111	105	0.13	31.9	2078	41.3	0	926	3.7	926	2.7	8,989
8/20/2013	60375	105	0.5	62.6	4319	120	19.8			1119	6.3	9,055
8/27/2013	60470	90	0.35	52.3	3005	105	0			1188	5.6	9,077
9/10/2013	60806	90	0.5	62.6	4220	66.8	0			1434	8.1	9,184
9/20/2013	61022	90	0.5	62.6	3434	104	0	1593	0.7	1593	8.9	9,262
10/1/2013	61284	85	0.5	62.6	4132	98.2	0			1758	9.9	9,366
10/15/2013	61619	90	0.3	48.5	9999	219	11.4	1971	68.0	1971	8.6	9,475
10/29/2013	61888	90	0.25	44.2	4685	92.6	0			1967	7.8	9,540
11/8/2013	62130	80	0.3	48.5	4183	170	5.7			1963	8.5	9,617
11/19/2013	62392	80	0.3	48.5	4355	44.2	0	1960	14.0	1960	8.5	9,708
12/3/2013	62727	80	0.35	52.3	4835	87.3	0			1275	6.0	9,801
12/13/2013	62966	90	0.25	44.2	4692	372	0	786	7.2	786	3.1	9,841
12/20/2013	63135	95	0.25	44.2	4483	105	0			738	2.9	9,861
12/31/2013	63399	90	0.25	44.2	4852	189	0			664	2.6	9,891
1/7/2014	63564	90	0.15	34.3	2179	39.8	0			617	1.9	9,906
1/17/2014	63804	90	0.2	39.6	2917	101	0	549	5.3	549	2.0	9,925
1/28/2014	64068	90	0.25	44.2	2857	205	0			737	2.9	9,952
2/14/2014	64402	90	0.25	44.2	4082	170	0	975	14.1	975	3.9	9,998
2/25/2014	64666	90	0.25	44.2	4875	245	0			658	2.6	10,032
3/7/2014	64889	90	0.25	44.2	722	255	15.7	390	308.9	390	1.5	10,048
3/18/2014	65151	95	0.25	44.2	764	90.4	0			390	1.5	10,065
3/28/2014	65392	90	0.25	44.2	851	143	2.6			390	1.5	10,081

Summary Statistics	
Operating Hours During Quarter:	1994
Available Hours Between 12/31/2013 and 3/28/2014	2088
Operating Time During Quarter (%):	95%
Overall Operating Time (%):	90%
VOC Mass Removed During Quarter (lb):	189
Approximately VOC Mass Removed per Operating Day (lb/day)[3]:	2.28
Overall VOC Mass Removed Per Operating Day (lb/day)[3]:	3.70

Notes:
lb = pound
PID = Photoionization Detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
vGAC = vapor-phase granular activated carbon
VOC = volatile organic compounds
µg/L = micrograms per liter
NR = not recorded

1. Laboratory data are collected monthly. For the purpose of mass removal estimates, VOC concentrations are interpolated between time intervals where laboratory data are not available.
2. VOC Mass Removed (lb) (based on laboratory data): (flow rate [cu.ft./min] * 60 min/hr * Operating hours [during period]) * (vapor concentration [µg/L]) * 10-6g/µg * 2.203(10)-3lb/g * 28.32 L/cu.ft.)
3. VOC Mass Removal rate calculated based on incremental VOC mass removed during reporting period divided by hours of system operation during reporting period.
4. For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

TABLE 4
SLAB ISOLATION SYSTEM VAPOR CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Carbon Tetrachloride	Chloro-ethane	Chloroform	Chloro-methane	1,2-Dichloro-benzene	DCDFM	*1,1-DCA*	*1,2-DCA*	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	Vinyl Chloride
	Halogenated Volatile Organic Compounds																		
	SIS Influent Analytical Results (µg/L)																		
1/17/2012	<0.79	<0.33	0.29	<0.26	<0.75	<0.62	2	0.24	36	7.5	<0.5	4.9	260	120	0.34	300	0.52	11	4.9
2/7/2012	<0.63	<0.26	0.19	<0.21	<0.6	<0.49	1.8	0.15	38	6.6	<0.4	6.5	190	100	0.14	280	0.51	13	2.2
3/13/2012	<0.79	<0.33	0.42	<0.26	<0.75	<0.62	3.6	0.35	53	11	<0.5	20	250	150	0.31	440	0.69	14	2.4
4/10/2012	<0.79	<0.33	0.62	<0.26	<0.75	<0.62	3	0.35 J	37	11	<0.5	12	240	110	0.32 J	370	0.85 J	12	2.4
5/15/2012	<0.79	<0.33	0.31 J	<0.26	<0.75	<0.62	1.6	0.21 J	23	7.3	<0.5	5.1	200	78	<0.68	270	0.45 J	7.4	1.8
6/19/2012	<0.63	<0.26	<0.49	<0.21	<0.6	<0.49	0.84	<0.4	8	5.5	<0.4	<3.5	180	54	<0.55	180	<1.1	4.4	1.8
7/17/2012	<0.79	<0.33	0.53	<0.26	<0.75	<0.62	2	<0.51	24	8.4	<0.5	3.4	360	90	<0.68	340	0.33	14	3.5
8/31/2012	<1	<0.42	<0.78	<0.33	<0.96	<0.79	3.3	<0.65	36	15	<0.63	5.8	410	140	<0.87	370	0.46	17	2.7
9/14/2012	0.091	0.044	0.3	<0.021	<0.06	<0.049	3.1	0.26	38	14	0.1	6.3	270	160	0.29	330	0.71	26	2.8
10/16/2012	<0.79	<0.33	0.25	<0.26	<0.75	<0.62	3.5	0.2	43	19	<0.5	7	460	140	0.29	420	0.64	32	3
11/13/2012	0.14	<0.053	0.17	<0.041	<0.12	<0.099	3.9	0.14	28	18	0.11	4.7	370	150	0.2	340	0.77	49	2.9
12/11/2012	0.071	<0.053	0.36	<0.041	<0.12	<0.099	3.5	0.28	58	9.3	0.11	9.6	360	180	0.29	450	0.63	15	2.4
1/8/2013	0.028	<0.053	0.16	<0.041	<0.12	<0.099	1.4	0.075	26	5.1	0.045	2.6	170	83	0.14	150	0.12	6.6	1.6
2/12/2013	0.047	<0.013	0.4	<0.01	<0.03	<0.025	3	0.25	45	11	0.09	12	190	130	0.28	190	0.3	11	3
3/5/2013	0.033	<0.026	0.12	<0.021	<0.06	<0.049	1.4	0.066	18	5.9	0.051	1.8	230	81	0.17	140	0.089	4.7	0.77
4/19/2013	0.037 J	<0.013	0.21 J	<0.01	<0.03	<0.025	1.6 J	0.083 J	27 J	5.5 J	0.063 J	3.1 J	170 J	100 J	0.13 J	140 J	0.24 J	6.6 J	1.4 J
5/24/2013	0.082 J	<0.13	0.18 J	<0.1	<0.3	<0.25	1.4	0.058 J	31	6.1	<0.2	2.1	360	97	0.12 J	190	0.2 J	14	3.6
6/28/2013	<1.3	<0.53	0.14 J	<0.41	<1.2	<0.99	1.6	<0.81	22	11	<0.79	1.7 J	470	170	<1.1	280	<2.2	20	1.8
7/16/2013	0.21 J	<0.053	0.26 J	<0.041	<0.12	<0.099	3 J	0.19 J	48 J	15 J	0.13 J	4.5 J	660 J	260 J	0.33 J	510 J	0.84 J	71 J	3.4 J
8/9/2013	0.11 J	0.026 J	0.16 J	<0.041	<0.12	<0.099	2.1 J	0.12 J	32 J	13 J	0.082 J	3 J	340 J	130 J	0.22 J	340 J	0.99 J	60 J	2.5 J
9/20/2013	0.14 J	<0.026	0.19 J	<0.021	<0.06	<0.049	2.4 J	0.16 J	50 J	8.2 J	0.1 J	2.5 J	550 J	260 J	0.3 J	570 J	2.7 J	140 J	2.4 J
10/15/2013	0.22 J	<0.53	0.16 J	<0.41	<1.2	1.8	3.3	<0.81	60	22	<0.79	2.5 U	510	360	<1.1	730	4.9	260	3.5
11/19/2013	<13	<5.3	<9.8	<4.1	<12	<9.9	1.3 J	<8.1	64	16	<7.9	12 U	650	330	<11	770	<22	110	4 J
12/13/2013	<1.3	<0.53	0.16 J	<0.41	<1.2	<0.99	1.7	<0.81	24	8.1	<0.79	5 J	300	150	<1.1	260	0.52 J	33	1.7
1/17/2014	<1.3	<0.53	0.18 J	<0.41	<1.2	<0.99	3	0.26 J	28	8.2	<0.79	10	150	110	<1.1	220	0.57 J	15	1.3
2/14/2014	<2.5	<1.1	<2	<0.83	<2.4	<2	1.4 J	<1.6	41	8.7	<1.6	4.3 U	400	180	<2.2	300	<4.5	37	1.5
3/7/2014	<0.63	<0.26	0.18 J	<0.21	<0.6	0.1 U	1.4	<0.4	21	4.4	<0.4	5.5 U	110	71	<0.55	160	0.39 J	13	1.1

TABLE 4
SLAB ISOLATION SYSTEM VAPOR CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Carbon Tetrachloride	Chloro-ethane	Chloroform	Chloro-methane	1,2-Dichloro-benzene	DCDFM	*1,1-DCA*	*1,2-DCA*	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	Vinyl Chloride
	Halogenated Volatile Organic Compounds																		
	SIS Effluent Analytical Results (µg/L)																		
1/17/2012	<0.0031	<0.0013	0.0031	0.0011	<0.003	0.0029	0.00073 J	<0.002	<0.002	<0.002	<0.002	<0.017	0.012	<0.0027	<0.0027	0.0019 J	<0.0056	<0.011	1.2
2/7/2012	<0.0031	0.022	0.0013 J	0.0015	<0.003	0.0037	0.01	<0.002	1.8	0.0079	<0.002	5.1	0.92	0.086	0.0012 J	0.57	0.47	4.8	1.8
3/13/2012	0.012	0.0034	0.043	0.0015	<0.003	0.0027	0.6	0.0024	8.2	0.6	0.0027	2.6	0.019	10	<0.0027	0.0057	0.15	1.4	0.81
4/10/2012	0.0013 J	<0.0013	0.0054	0.0013	<0.003	<0.0025	0.0016 J	0.00085 J	<0.002	0.0013 J	<0.002	<0.017	0.35	0.0061	<0.0027	0.096	<0.0056	<0.011	<0.0013
5/15/2012	<0.016	0.011	<0.012	<0.0052	<0.015	<0.012	<0.01	<0.01	0.45	<0.0099	<0.0099	2.4	0.7	0.033	<0.014	0.27	0.079	0.058	1.5
6/19/2012	<0.13	<0.053	0.1	<0.041	<0.12	<0.099	2	0.037 J	17	3	<0.079	3.1	2.3	46	<0.11	1.7	0.23	9.3	1.3
7/17/2012	0.0022	<0.0013	0.004	0.0011	<0.003	0.0015	0.0024	<0.002	0.016	0.0025	<0.002	0.0055	0.27	0.049	<0.0027	0.23	0.0012	0.0048	0.0067
8/31/2012	<0.0031	0.045	0.0028	0.0014	<0.003	0.003	0.0046	0.0017	0.018	0.052	<0.002	1	0.26	0.21	<0.0027	0.48	<0.0056	0.0029	2.9
9/14/2012	0.00081	<0.0013	0.0025	0.00064	0.001	<0.0025	0.005	0.0014	0.031	0.079	<0.002	0.0085	13	0.51	0.012	5	<0.0056	0.0046	0.0014
10/16/2012	0.0027	<0.0013	0.0038	0.0012	<0.003	0.0011	0.0033	<0.002	0.011	0.026	<0.002	0.0058	3.8	0.12	0.0033	1.2	<0.0056	0.0025	0.051
11/13/2012	<0.039	<0.016	<0.031	<0.013	<0.038	<0.031	0.026	<0.025	0.1	0.35	<0.025	0.11	15	1.2	<0.034	10	<0.07	0.066	2.9
12/11/2012	<0.039	0.034	<0.031	<0.013	<0.038	<0.031	0.022	<0.025	1.6	<0.025	<0.025	3.9	0.15	0.039	<0.034	0.038	0.84	14	1.2
1/8/2013	<0.016	<0.0066	<0.012	<0.0052	<0.015	0.0023	0.052	<0.01	1.7	0.01	<0.0099	1.6	1.7	0.86	<0.014	0.43	0.17	5.4	1.2
2/12/2013	0.0018	<0.0013	0.003	<0.001	<0.003	0.001	0.00084	<0.002	<0.002	<0.002	<0.002	0.0013	0.32	0.0061	<0.0027	0.053	<0.0056	<0.011	<0.0013
3/5/2013	0.0039	0.0021	0.0071	0.001	<0.003	0.0021	0.0041	<0.002	0.15	0.006	<0.002	0.82	1.5	0.064	0.0015	0.37	0.029	0.37	0.61
4/19/2013	0.0058 J	0.003 J	0.012 J	0.0014 J	<0.003	0.0031 J	0.0034 J	<0.002	<0.002	<0.002	<0.002	0.42 U	0.23 J	0.0051 J	<0.0027	0.03 J	0.0033 J	<0.011	0.77 J
5/24/2013	<0.031	<0.013	<0.024	<0.01	<0.03	<0.025	<0.02	<0.02	<0.02	<0.02	<0.02	0.6	0.17	0.0055 J	<0.027	0.03	<0.056	<0.11	1.8
6/28/2013	<0.0031	<0.0013	<0.0024	0.0011	<0.003	0.0025	0.0011 J	<0.002	0.015	0.012	<0.002	0.0046 J	1.3	0.098	<0.0027	0.39	<0.0056	0.0052 J	0.31
7/16/2013	<0.0031	0.018 J	<0.0024	0.00081 J	<0.003	0.0025 J	<0.002	<0.002	<0.002	<0.002	<0.002	0.087 J	0.11 J	0.0027 J	<0.0027	0.019 J	<0.0056	<0.011	1.9 J
8/9/2013	0.00075 J	0.033 J	0.0015 J	<0.001	<0.003	<0.0025	0.0014 J	0.00042 J	0.011 J	0.012 J	<0.002	0.77 J	1.3 J	0.14 J	<0.0027	0.48 J	<0.0056	0.0069 J	0.84 J
9/20/2013	0.0032 J	<0.0013	0.0039 J	0.001 J	<0.003	0.00091 J	0.0011 J	<0.002	<0.002	0.00062 J	<0.002	0.0013 U	0.35 J	0.024 J	<0.0027	0.12 J	<0.0056	0.0021 J	<0.0013
10/15/2013	`	0.032	<0.039	<0.017	<0.048	0.55	0.45	<0.032	8.8	<0.032	<0.032	1.7 U	0.75	6.2	<0.044	0.24	2.6	34	1.6
11/19/2013		<0.053	<0.098	<0.041	<0.12	<0.099	<0.081	<0.081	0.038 J	0.032 J	<0.079	<0.69	10	0.46	<0.11	3.3	<0.22	<0.46	<0.051
12/13/2013		<0.013	<0.024	<0.01	<0.03	<0.025	0.0031 J	<0.02	0.027	0.037	<0.02	0.021 J	4.1	0.41	<0.027	2.4	<0.056	0.015 J	<0.013
1/17/2014	<0.013	<0.0053	<0.0098	<0.0041	<0.012	0.0017 J	<0.0081	<0.0081	<0.0079	0.0065 J	<0.0079	0.0055 J	3.7	0.18	0.0048 J	0.9	<0.022	<0.046	0.19
2/14/2014	<0.025	<0.011	<0.02	<0.0083	<0.024	<0.02	0.0041 J	<0.016	0.064	0.052	<0.016	0.019 U	9.3	0.74	<0.022	3.5	<0.045	0.023 J	0.24
3/7/2014	<1.3	<0.53	<0.98	0.21 J	<1.2	<0.99	1.8	<0.81	61	<0.79	<0.79	4 J	4.1	130	<1.1	1.3	1.1 J	100	1

TABLE 4
SLAB ISOLATION SYSTEM VAPOR CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Acetone	2-Butanone	Benzene	Carbon Disulfide	1,4-Dioxane	Ethyl-benzene	4-Ethyl-toluene	*MTBE*	THF	Toluene	1,2,4-TMB	o-Xylene	p/m-Xylene
	Non-Halogenated Volatile Organic Compounds												
	SIS Influent Analytical Results (µg/L)												
1/17/2012	<30	0.12	0.16	<7.8	<9	0.21	<0.61	<1.8	<1.1	<4.7	<1.8	<2.2	0.19
2/7/2012	<24	<0.88	0.16	<6.2	<7.2	0.36	<0.49	<1.4	<0.88	<3.8	<1.5	1.3	0.46
3/13/2012	<30	<1.1	0.17	<7.8	<9	0.24	<0.61	<1.8	<1.1	<4.7	<1.8	<2.2	0.19
4/10/2012	<30	<1.1	0.19 J	<7.8	<9	<0.54	<0.61	<1.8	<1.1	<4.7	<1.8	<2.2	<0.54
5/15/2012	<30	<1.1	<0.4	<7.8	<9	<0.54	<0.61	<1.8	<1.1	<4.7	<1.8	<2.2	<0.54
6/19/2012	<24	<0.88	<0.32	<6.2	<7.2	<0.43	<0.49	<1.4	<0.88	<3.8	<1.5	<1.7	<0.43
7/17/2012	<30	<1.1	<0.4	<7.8	<9	<0.54	<0.61	<1.8	<1.1	<4.7	<1.8	<2.2	0.3
8/31/2012	<38	<1.4	<0.51	<10	<12	<0.69	<0.79	<2.3	<1.4	<6	<2.4	<2.8	<0.69
9/14/2012	<2.4	0.024	0.15	<0.62	<0.72	0.11	<0.049	<0.14	0.071	1.1	<0.15	0.21	0.09
10/16/2012	0.22	<1.1	0.14	<7.8	<9	<0.54	<0.61	<1.8	<1.1	1	<1.8	<2.2	<0.54
11/13/2012	0.067	<0.18	0.089	<1.2	<1.4	0.064	<0.098	<0.29	<0.18	0.58	<0.29	0.076	0.039
12/11/2012	0.029	<0.18	0.18	<1.2	<1.4	0.1	<0.098	<0.29	0.054	0.31	<0.29	0.13	0.099
1/8/2013	0.034	<0.18	0.1	<1.2	<1.4	0.08	<0.098	<0.29	<0.18	0.32	<0.29	0.13	0.071
2/12/2013	0.034	<0.044	0.21	0.04	0.05	0.23	0.017	<0.072	0.041	1.2	0.014	0.44	0.24
3/5/2013	2.1	0.68	0.099	<0.62	<0.72	0.081	<0.049	<0.14	2.1	0.21	<0.15	0.18	0.085
4/19/2013	1.2 J	0.37 J	0.11 J	<0.31	<0.36	0.085 J	<0.025	<0.072	0.27 J	0.33 J	<0.074	0.071 J	0.066 J
5/24/2013	0.38 J	<0.44	0.16 J	<3.1	<3.6	0.28	0.12 J	<0.72	0.1 J	0.7 J	0.33 J	0.83 J	0.37
6/28/2013	<48	<1.8	<0.64	<12	<14	<0.87	<0.98	<2.9	0.41 J	0.37 J	<2.9	<3.5	<0.87
7/16/2013	0.054 J	<0.18	0.17 J	<1.2	<1.4	0.24 J	<0.098	<0.29	0.063 J	0.94 J	<0.29	0.28 J	0.2 J
8/9/2013	0.041 J	<0.18	0.12 J	<1.2	<1.4	0.15 J	<0.098	<0.29	<0.18	0.66 J	<0.29	0.15 J	0.11 J
9/20/2013	0.071 J	<0.088	0.13 J	<0.62	<0.72	0.64 J	<0.049	<0.14	<0.088	1.4 J	0.017 J	0.89 J	0.41 J
10/15/2013	6.2 J	<1.8	0.12 J	<12	<14	1.2	<0.98	<2.9	<1.8	2.2 J	<2.9	1.7 J	0.9
11/19/2013	<480	<18	<6.4	<120	<140	<8.7	<9.8	<29	<18	2.2 J	<29	<35	<8.7
12/13/2013	0.76 J	<1.8	<0.64	<12	<14	0.28 J	<0.98	<2.9	<1.8	0.65 J	<2.9	<3.5	<0.87
1/17/2014	0.64 J	<1.8	0.15 J	<12	<14	0.29 J	<0.98	<2.9	<1.8	0.55 J	<2.9	0.93 J	0.3 J
2/14/2014	<95	<3.5	<1.3	<25	<29	<1.7	<2	<5.8	<3.5	0.75 J	<5.9	<6.9	<1.7
3/7/2014	0.82 J	<0.88	<0.32	<6.2	<7.2	<0.43	<0.49	<1.4	<0.88	0.58 J	0.18 J	<1.7	<0.43

TABLE 4
SLAB ISOLATION SYSTEM VAPOR CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Acetone	2-Butanone	Benzene	Carbon Disulfide	1,4-Dioxane	Ethyl-benzene	4-Ethyl-toluene	*MTBE*	THF	Toluene	1,2,4-TMB	o-Xylene	p/m-Xylene
	Non-Halogenated Volatile Organic Compounds												
	SIS Effluent Analytical Results (µg/L)												
1/17/2012	<0.12	0.013	0.00084 J	<0.031	<0.036	0.017	0.003	<0.0072	0.0015 J	0.012 J	0.012	0.069	0.023
2/7/2012	<0.12	0.0022 J	0.0028	<0.031	<0.036	0.018	0.0086	<0.0072	0.0024 J	0.017 J	0.037	0.084	0.036
3/13/2012	<0.12	0.0075	0.0046	<0.031	<0.036	0.018	0.014	<0.0072	0.001 J	0.31	0.048	0.11	0.043
4/10/2012	<0.12	0.0016 J	0.00074 J	<0.031	<0.036	0.0013 J	<0.0025	<0.0072	0.00062 J	<0.019	<0.0074	0.0047 J	0.0019 J
5/15/2012	<0.59	<0.022	<0.008	<0.16	<0.18	<0.011	0.0067 J	<0.036	0.0049 J	<0.094	0.025 J	<0.043	<0.011
6/19/2012	<4.8	<0.18	<0.064	<1.2	<1.4	<0.087	<0.098	<0.29	<0.18	<0.75	<0.29	<0.35	<0.087
7/17/2012	<0.12	<0.0044	0.00089	<0.031	<0.036	0.16	0.004	<0.0072	0.0017	0.059	0.018	0.63	0.11
8/31/2012	<0.12	<0.0044	<0.0016	<0.031	<0.036	0.0013	0.0014	<0.0072	0.0014	<0.019	0.0038	<0.0087	0.0017
9/14/2012	<0.12	0.00082	0.0014	<0.031	<0.036	0.0069	0.0011	<0.0072	<0.0044	0.013	0.0042	0.0092	0.0068
10/16/2012	0.005	<0.0044	0.00056	<0.031	<0.036	0.0037	0.0041	<0.0072	<0.0044	0.015	0.017	0.014	0.01
11/13/2012	0.062	<0.055	<0.02	<0.39	0.054	<0.027	<0.031	<0.09	0.012	0.023	<0.092	<0.11	<0.027
12/11/2012	0.033	<0.055	<0.02	<0.39	<0.45	0.022	<0.031	<0.09	<0.055	0.017	<0.092	0.11	0.035
1/8/2013	0.025	0.015	<0.008	<0.16	<0.18	0.013	<0.012	<0.036	0.041	0.01	0.0056	0.056	0.02
2/12/2013	0.02	0.0041	0.00089	0.001	<0.036	0.0042	0.0029	<0.0072	0.0047	0.0044	0.0043	0.022	0.0087
3/5/2013	1.1	0.068	0.0017	0.0014	0.0016	0.0083	0.00085	<0.0072	0.11	0.014	0.0026	0.039	0.014
4/19/2013	1.1 J	0.25 J	0.0023 J	0.0031 J	<0.036	0.011 J	0.0012 J	<0.0072	0.23 J	0.035 J	0.0037 J	0.06 J	0.016 J
5/24/2013	0.042 J	0.062	<0.016	<0.31	<0.36	<0.022	<0.025	<0.072	0.11	<0.19	<0.074	<0.087	<0.022
6/28/2013	<0.12	0.0033 J	<0.0016	0.0013 J	<0.036	0.0013 J	<0.0025	<0.0072	0.0051	0.0035 J	0.001 J	0.003 J	0.0016 J
7/16/2013	0.029 J	0.0025 J	0.0027 J	<0.031	<0.036	0.0041 J	0.0014 J	<0.0072	<0.0044	0.023 J	0.0049 J	0.018 J	0.0062 J
8/9/2013	0.0077 J	0.0014 J	0.00044 J	0.0013 J	<0.036	0.015 J	0.0018 J	<0.0072	<0.0044	0.0099 J	0.0034 J	0.05 J	0.011 J
9/20/2013	0.075 J	<0.0044	0.00098 J	<0.031	<0.036	0.013 J	<0.0025	<0.0072	<0.0044	0.0057 J	0.0036 J	0.046 J	0.01 J
10/15/2013	11 J	<0.071	<0.026	<0.5	<0.58	<0.035	<0.039	<0.12	<0.071	0.0096 J	<0.12	0.035 J	<0.035
11/19/2013	<4.8	<0.18	<0.064	<1.2	<1.4	0.031 J	<0.098	<0.29	<0.18	<0.75	<0.29	0.074 J	0.035 J
12/13/2013	0.038 J	<0.044	0.0049 J	<0.31	<0.36	0.018 J	<0.025	<0.072	<0.044	0.036 J	0.0099 J	0.035 J	0.022
1/17/2014	0.12 J	0.0077 J	0.0064	0.0049 J	<0.14	0.022	0.012	<0.029	0.0075 J	0.066 J	0.013 J	0.064	0.026
2/14/2014	0.02 J	<0.035	<0.013	<0.25	<0.29	0.022	<0.02	<0.058	<0.035	0.039 J	0.017 J	0.042 J	0.038
3/7/2014	3.9 J	<1.8	<0.64	<12	<14	<0.87	<0.98	<2.9	<1.8	0.49 J	<2.9	<3.5	<0.87

NOTES:
1. Air samples were analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method No. TO-15. The results are reported in micrograms per liter (µg/L)
2. Abbreviations used for chemical constituents:

1,1-DCA = 1,1 – Dichloroethane
cis 1,2-DCE = *cis* 1,2 – Dichloroethene
1,1,2-TCA = 1,1,2-Trichloroethane
1,2-DCA = 1,2 – Dichloroethane
PCE = Tetrachloroethene
TCE = Trichloroethene
trans 1,2-DCE = *trans* 1,2 - Dichloroethene
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1 - Trichloroethane
TCFM = Trichlorofluoromethane
TCTFA = 1,1,2-Trichloro 1,2,2-trifluorethane (Freon 113)
THF = Tetrahydrofuran
m/p-Xylene = meta/para Xylene
o -Xylene = ortho Xylene
1,2,3-TCP = 1,2,3-Trichloropropane
MTBE = Methyl tert butyl Ether
DCDFM = dichloro-difluoromethane

3. NA = sample not analyzed for indicated chemical constituent.
4. < X = less than indicated method detection limit. Samples were analyzed by GCMS for VOCs.
5. Data qualifiers: J = Estimated value, reported concentration between the method detection limit (MDL) and reporting limit (RL). U = Qualified as non-detect due to presence of compound in trip or equipment blanks
Due to elevated concentrations of some of the analytes, samples required dilution which resulted in a corresponding elevation in detection limits..
This practice is necessary in order to be able to achieve results within the calibration range.
Therefore, compounds reported as non-detected may be present in the air samples analyzed, but were not detected below the elevated detection levels.
6. For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

TABLE 5
SLAB ISOLATION SYSTEM WELL DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	SIS 1 Air Flow Rate (scfm)	SIS 1 Vapor Conc. (ppm_v) (PID)	SIS 2 Air Flow Rate (scfm)	SIS 2 Vapor Conc. (ppm_v) (PID)	SIS 3 Air Flow Rate (scfm)	SIS 3 Vapor Conc. (ppmv) (PID)	SIS 4 Air Flow Rate (scfm)	SIS 4 Vapor Conc. (ppm_v) (PID)	SIS 5 Air Flow Rate (scfm)	SIS 5 Vapor Conc. (ppm_v) (PID)	SIS 6 Air Flow Rate (scfm)	SIS 6 Vapor Conc. (ppm_v) (PID)	SIS 7 Air Flow Rate (scfm)	SIS 7 Vapor Conc. (ppm_v) (PID)	SIS 8 Air Flow Rate (scfm)	SIS 8 Vapor Conc. (ppm_v) (PID)	SIS 9 Air Flow Rate (scfm)	SIS 9 Vapor Conc. (ppm_v) (PID)	SIS 10 Air Flow Rate (scfm)	SIS 10 Vapor Conc. (ppm_v) (PID)	SIS 11 Air Flow Rate (scfm)	SIS 11 Vapor Conc. (ppm_v) (PID)	SIS 12 Air Flow Rate (scfm)	SIS 12 Vapor Conc. (ppm_v) (PID)	SIS 13 Air Flow Rate (scfm)	SIS 13 Vapor Conc. (ppm_v) (PID)	SIS 14 Air Flow Rate (scfm)	SIS 14 Vapor Conc. (ppm_v) (PID)
1/17/2012	closed	closed	closed	closed	closed	closed	6.5	31.4	2.4	6.1	closed	closed	2.8	98.6	2.8	7.6	1.9	10.6	5	212	2.6	151	3.9	18.8	3.1	13.8	4.8	7.2
2/7/2012	8.3	5	5.5	10	9.7	4.1	7.8	30.6	1.2	6	closed	closed	6.6	59.2	2.4	6.3	1.4	7.1	7.3	111	1.4	80	1.7	9.3	1.2	14.1	1.0	13.5
3/13/2012	6.3	4.2	2.4	5.6	1.9	2.6	7	26.5	1.4	3.1	closed	closed	5.8	40.7	2.8	7.8	1.7	4.9	3.4	147	2.4	65	2.9	13.8	2.4	14.6	3.9	17.1
4/10/2012	5.7	0.5	2.8	2.5	1.9	2.8	7.3	17.7	5.3	0.5	closed	closed	5.8	19.1	2.2	5.6	1.8	2.8	2.9	106	2	91.6	2.2	5.7	1.8	15.4	3	169
5/15/2012	5.3	1.1	1.5	2.7	2.8	6.9	5.3	8.3	1.2	2.7	closed	closed	6.6	41.7	1.4	7.9	1.1	5.3	2.4	105	1.4	51.5	2.3	14	1.0	27.7	3.9	203
6/19/2012	3.4	3	1.1	4.5	1.2	10.4	3.0	19.8	0.9	4.6	closed	closed	1.5	54.9	0.9	8.4	1.0	4.5	1.9	201	1.1	101	2.2	23.1	1.0	17.5	2.9	250
7/17/2012	4.8	0	1.6	0	1.7	0	1.9	0	1.4	0	closed	closed	2.7	6	1.8	0	1.6	0	2.2	252	1.3	86.1	2.4	0	0.8	0	3.9	43.8
8/31/2012	3.8	0	1.0	0	1.2	2.1	3.9	27.9	1.0	0.2	closed	closed	1.7	80.1	1.2	14.6	1.2	9.4	2	397	1.1	322	1.6	7.4	1.2	6.3	2.7	8.4
9/28/2012	3.1	6.5	1.4	5.6	3.1	7.1	3.1	51.6	1.4	6.4	closed	closed	2.0	160	1.8	38.5	1.0	18.4	2.6	523	1.5	484	2.6	17.7	1.9	30.5	3.1	78.3
10/16/2012	1.7	13	0.8	5.5	0.8	3.5	2.2	77.7	0.4	1.5	closed	closed	0.8	276	1.0	55.8	0.6	15.4	1.2	694	0.8	825	1.4	17.9	1.0	5.6	1.2	11.1
11/13/2012	5.0	60.1	1.0	10.1	1.7	32	5.5	139	1.1	22.5	closed	closed	6.2	388	2.2	97.1	1.4	26.1	6.9	950	1.9	1141	5.3	87.5	1.9	11.1	3.3	32.3
12/11/2012	3.2	18	1.0	2.2	1.7	9.7	3.5	90.4	1.0	3.5	closed	closed	3.4	363	1.4	43.8	1.7	15.9	3.2	673	1.4	2053	2.9	15.6	1.1	9.2	3.2	25.8
1/8/2013	3.1	3.5	1.0	1.5	1.4	2.8	3.2	36.8	1.1	6.4	closed	closed	3.1	189	1.6	59.4	2.2	10.2	2.5	105	2.4	350	2.8	11.6	1.0	7.8	3.2	21.3
2/12/2013	2.6	12.5	1.2	10.7	1.9	6	2.9	34.2	1.5	7.8	closed	closed	1.5	121	1.4	21.8	1.4	14.5	3.1	131	1.4	250	1.7	21.8	1.4	23.1	3.1	27.8
3/5/2013	2.9	3.2	1.0	6.8	1.4	13.6	3.1	21.6	1.4	3.1	closed	closed	1.4	99.3	1.4	28.2	1.2	11.4	1.9	145	1.2	167	2	15.4	1.0	9.4	2.6	42.6
4/9/2013	2.8	7	1.1	8.2	1.1	9.2	3.1	32.7	1.2	10.4	closed	closed	2.6	162	1.2	41.3	1.4	22.9	1.7	243	1.4	284	1.6	14.7	1.0	7.7	3.1	9.9
5/24/2013	5.2	0	1.0	3.1	1.2	10.6	2.6	21.6	1.5	3	closed	closed	5.8	168	1.4	13.1	1.5	10.3	1.7	373	1.4	452	2.4	2.5	1.0	0	4.8	2.2
6/28/2013	2.3	0	1.0	0	1.4	0	5.3	68.6	1.2	0	closed	closed	1.4	254	1.4	24.8	1.2	5.8	1.0	394	1.1	669	1.7	15.9	0.6	0	2.0	0
7/16/2013	1.7	113	1.0	101	1.4	102	4.4	206	1.4	38.9	closed	closed	4.4	368	1.7	125	1.0	63.8	1.4	534	1.5	740	2.5	105	1.0	32.8	2.9	25.1
8/20/2013	3.1	3.4	0.8	9.8	1.9	13.6	3.1	21.6	1.4	8.1	closed	closed	2.6	199	2	88.2	1.4	11.4	1.4	245	1.4	287	1.4	15.4	1.6	19.4	1.0	42.6
9/27/2013	1.0	3.2	1.0	6.8	2.2	13.6	6.2	21.6	1.4	3.1	closed	closed	1.9	99.3	1.9	28.2	1.4	11.4	1.0	145	1.7	167	3.2	15.4	3.1	9.4	3.1	42.6
10/15/2013	1.0	4.3	1.0	4.5	2.2	5.3	6.2	138	1.4	7.5	closed	closed	1.9	642	1.5	23.9	1.2	10.5	0.8	79.4	1.5	812	3.1	44.4	0.8	6.3	3.1	5.4
11/19/2013	1.4	3.2	1.0	6.8	1.6	13.6	4.5	21.6	1.4	3.1	closed	closed	2.2	99.3	1.7	28.2	1.4	11.4	1.0	145	1.9	167	3.1	15.4	2.6	9.4	2.6	9.4
12/13/2013	1.4	141	1.0	29.1	2.8	21.9	3.5	395	1.2	35.8	closed	closed	1.5	1503	1.5	49.4	1.4	33.8	1.0	189	1.1	2983	2.5	112	1.0	23.6	3.1	22.9
1/31/2014	1.3	3.2	0.8	6.8	2.4	13.6	4.9	21.6	1.4	5.6	closed	closed	1.4	99.3	0.9	68.2	1.2	13.4	0.8	175	0.6	167	1.9	15.4	0.9	29.4	2.2	62.6
3/7/2014	1.4	2.8	1.0	2.6	2.5	3.3	3.1	235	1.2	4	closed	closed	1.2	912	1.0	25.8	1.0	18.3	1.4	66.6	0.8	13.1	1.8	17.5	0.8	7.5	2.6	8.8

NOTES:
NM = no measurement
PID = photoionization detector
ppm_v = parts per million by volume
scfm = standard cubic feet per minute
Vapor Conc. = estimated volatile organic compound (VOC) vapor concentration as measured using a PID
For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

TABLE 6
SLAB ISOLATION SYSTEM OBSERVATION POINT MONITORING DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	OP-1 (inches H_2O)	OP-2 (inches H_2O)	OP-3 (inches H_2O)	OP-4 (inches H_2O)	OP-5 (inches H_2O)	OP-6 (inches H_2O)	OP-7 (inches H_2O)	OP-8 (inches H_2O)	OP-9 (inches H_2O)	OP-10 (inches H_2O)	OP-11 (inches H_2O)	OP-12 (inches H_2O)
1/17/2012	0.04	0.04	0.80	0.5	0.5	0.15	0.04	0.1	0.15	0.04	0.04	0.04
2/7/2012	0.60	0.04	0.90	0.04	0.6	0.10	0.04	0.11	0.11	0.04	0.04	0.04
3/13/2012	0.42	0.04	0.60	0.04	0.41	0.07	0.04	0.12	0.13	0.04	0.05	0.04
4/10/2012	0.38	0.03	0.70	0.03	0.45	0.08	0.03	0.04	0.06	0.03	0.04	0.03
5/15/2012	0.50	0.04	0.60	0.04	0.70	0.06	0.30	0.14	0.12	0.30	0.10	0.4
6/19/2012	0.44	0.04	0.70	0.40	0.45	0.10	0.04	0.12	0.15	0.04	0.07	0.04
7/17/2012	0.18	0.04	0.26	0.04	0.20	0.07	0.04	0.05	0.06	0.04	0.05	0.04
8/31/2012	0.5	0.04	0.52	0.04	0.52	0.09	0.04	0.15	0.18	0.04	0.10	0.04
9/28/2012	0.48	0.10	0.60	0.10	0.45	0.15	0.04	0.21	0.17	0.04	0.12	0.04
10/16/2012	0.45	0.10	0.55	0.10	0.49	0.12	0.10	0.17	0.10	0.10	0.11	0.10
11/13/2012	0.35	0.10	0.37	0.10	0.35	0.10	0.10	0.10	0.12	0.10	0.10	0.10
12/11/2012	0.40	0.05	0.55	0.04	0.47	0.10	0.04	0.13	0.12	0.04	0.05	0.04
1/8/2013	0.38	0.05	0.50	0.05	0.45	0.07	0.05	0.09	0.10	0.05	0.05	0.05
2/12/2013	0.40	0.05	0.50	0.05	0.45	0.10	0.05	0.10	0.12	0.05	0.05	0.05
3/5/2013	0.45	0.05	0.55	0.05	0.46	0.13	0.05	0.13	0.15	0.05	0.05	0.05
4/9/2013	0.44	0.05	0.50	0.05	0.48	0.15	0.05	0.15	0.05	0.12	0.09	0.05
5/24/2013	0.48	0.05	1.00	0.05	0.48	0.23	0.05	0.18	0.18	0.05	0.16	0.05
6/28/2013	0.47	0.05	0.45	0.05	0.50	0.22	0.05	0.15	0.14	0.05	0.14	0.05
7/16/2013	0.48	0.05	1.00	0.05	0.50	0.16	0.05	0.22	0.17	0.05	0.18	0.05
8/20/2013	1.0	0.05	1.00	0.07	0.50	0.22	0.05	0.22	0.05	0.05	0.05	0.05
9/27/2013	0.47	0.05	0.65	0.05	0.45	0.17	0.05	0.2	0.15	0.05	0.15	0.05
10/15/2013	0.47	0.05	1.00	0.05	0.60	0.15	0.05	0.17	0.13	0.05	0.10	0.05
11/19/2013	0.45	0.05	0.60	0.05	0.50	0.16	0.05	0.17	0.11	0.05	0.10	0.05
12/13/2013	0.33	0.05	0.60	0.05	0.45	0.13	0.05	0.12	0.10	0.05	0.05	0.05
1/31/2014	0.45	0.05	0.50	0.05	0.50	0.21	0.05	0.10	0.12	0.05	0.08	0.05
3/7/2014	0.55	0.05	0.55	0.10	0.50	0.37	0.05	0.13	0.13	0.05	0.10	0.05

NOTES:
NM = no measurement
NR = No vacuum recordable
"OP" = observation poing where sub-slab induced vacuum is verified
inches H_2O = inches of water column vacuum
For clarity of presentation, data set limited to 8 quarters preceeding the 1st quarter 2014 event. Earlier data are available for review in the Quarterly Monitoring Report prepared for the 4th quarter 2010

TABLE 7
ALTERNATIVE INTERIM REMEDIAL ACTION PROGRAM EXTRACTION AND TREATMENT DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Operating Time (hours)			Operating Flow (gpm)	Volume Pumped (gal)	Operating Flow (gpm)	Volume Pumped (gal)	Operating Flow (gpm)	Volume Pumped (gal)	Total System Flow (gpm)	Total Volume Pumped (gal)	Dissolved Total VOCs + 1,4-dioxane (µg/L)			Cumulative Dissolved VOC + 1,4-dioxane Mass Removed (lb)			Cumulative Dissolved VOC + 1,4-dioxane Mass Removed (lb)
	DPE-1B	DPE-2B	DPE-5B	DPE-1B		DPE-2B		DPE-5B				DPE-1B	DPE-2B	DPE-5B	DPE-1B	DPE-2B	DPE-5B	
	AIRAP System Operational Data											*Calculations Based on Laboratory Analytical Data*						
2/11/2011	0	0		0	0	0	0			0	0	340,160	382,960		0	0		0
3/10/2011	49	47		1.0	2893	0.94	2811			1.98	5704	326,703	382,960		8.1	9.0		17.1
3/29/2011	82	79		1.0	4937.8	NM	4721			1.0	9659	350,550	390,019		14	15		28.9
5/5/2011	153	149		0.95	9302.8	NM	8729			0.95	18032		393,790			28		53.9
6/13/2011		2868				1.02	16873			1.02	26176		369,738			53		78.9
6/21/2011		544				0.95	31213			0.95	40516		376,373			98		123
6/30/2011		690				0.83	38849			0.828	48152		383,837			122		148
7/8/2011		816				0.88	45309			0.88	54612		390,472			143		169
7/22/2011		999				0.94	54516			0.94	63819		367,936			173		198
8/5/2011		1221	Pump Off			0.92	65254			0.92	74557		331,740	Pump Off		203		229
8/19/2011		1435				0.86	75686			0.86	84989		313,665			231		256
9/2/2011	Pump Off	1644		Pump Off	Pump Off	0.86	86986			0.86	96289	Pump Off	362,033		Pump Off	263		289
9/16/2011		1831				0.86	96490			0.86	105792		410,401			294		320
9/30/2011		2055				0.80	107796			0.8	117099		420,813			334		359
10/14/2011		2279				0.84	119217			0.84	128520		416,044			374		399
10/28/2011		2503				0.83	130810			0.83	140113		414,080			414		439
11/11/2011		2648				0.84	138205			0.84	147508		413,647			439		465
11/29/2011		2894				0.84	150783			0.84	160086		408,671			482		508
12/13/2011		3118				0.96	162881			0.96	172184		404,800			523		549
12/23/2011		3276				0.75	171306			0.75	180609		402,914			552		577
1/10/2012	342			0.88	9353					0.88	199265	399,520			57			608
1/24/2012	539			0.63	19368					0.63	209280	462,733			91			643
2/7/2012	873			0.61	31325			Pump Off	Pump Off	0.61	221237	591,800			145		Pump Off	697
2/21/2012	1208			0.53	43179					0.53	233091	650,120			207			759
3/6/2012	1544			0.58	55626					0.58	245538	708,440			278			830
3/20/2012	1879			0.58	67402					0.58	257314	660,067			347			899
4/3/2012	2213			0.56	79746					0.56	269658	505,000			406			957
4/17/2012	2549			0.54	91520					0.54	281432	480,800			454			1,005
5/1/2012	2885			0.6	103958					0.6	293870	456,600			502			1,053
5/15/2012	3221			0.63	116009					0.63	305921	432,400			546			1,098
5/29/2012	3555			0.59	128399					0.59	318311	424,000			590			1,142
6/12/2012	3891			0.44	138714					0.44	328626	415,600			626			1,178
6/22/2012	4130	Pump Off	Pump Off	0.57	145986	Pump Off	Pump Off			0.57	335898	411,400	Pump Off	Pump Off	651	Pump Off		1,203
7/6/2012	4466			0.52	157881					0.52	347793	368,997			690			1,242
7/17/2012	4730			0.57	166264					0.57	356176	341,560			715			1,266
7/31/2012	5065			0.54	178245					0.54	368157	319,841			747			1,299
8/14/2012	54012			0.56	190483					0.56	380395	311,323			779			1,331
8/28/2012	5737			0.44	200100					0.44	390012	302,805			804			1,355
9/11/2012	6074			0.24	209197					0.24	399109	355,053			828			1,380
9/25/2012	6409			0.63	220869					0.63	410781	357,769			864			1,415
10/9/2012	6745			0.57	234505					0.57	424417	342,456			903			1,455
10/23/2012	7082			0.59	246250					0.59	436162	324,050			936			1,487
11/6/2012	7418			0.5	257327					0.50	447239	302,550			964			1,516
11/20/2012	7755			0.66	271552					0.66	461464	326,703			1001			1,552
12/11/2012	8188			0.6	285237					0.60	475149	431,410			1047			1,599

TABLE 7
ALTERNATIVE INTERIM REMEDIAL ACTION PROGRAM EXTRACTION AND TREATMENT DATA
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Date	Operating Time (hours)			Operating Flow (gpm)	Volume Pumped (gal)	Operating Flow (gpm)	Volume Pumped (gal)	Operating Flow (gpm)	Volume Pumped (gal)	Total System Flow (gpm)	Total Volume Pumped (gal)	Dissolved Total VOCs + 1,4-dioxane (µg/L)			Cumulative Dissolved VOC + 1,4-dioxane Mass Removed (lb)			Cumulative Dissolved VOC + 1,4-dioxane Mass Removed (lb)
	DPE-1B	DPE-2B	DPE-5B	DPE-1B		DPE-2B		DPE-5B				DPE-1B	DPE-2B	DPE-5B	DPE-1B	DPE-2B	DPE-5B	
	AIRAP System Operational Data											*Calculations Based on Laboratory Analytical Data*						
12/18/2012	Pump Off	3393				0.6	176331			0.60	480174		399,433			568		1,615
1/8/2013		3860				0.6	192088			0.60	495930		303,500			612		1,659
1/22/2013		4194				0.62	204644			0.62	508486		321,740			645		1,692
2/5/2013		4508				0.6	217323			0.60	521165		339,980			681		1,728
2/19/2013		4843				0.6	229879			0.60	533721		330,300			716		1,763
3/1/2013		5075				0.53	235032			0.53	538874		303,443			730		1,776
3/15/2013	Pump Off	5410				0.6	246409			0.60	550251		285,522			757		1,804
4/2/2013		5842				0.50	260246			0.50	564088		272,602			789		1,836
4/19/2013		6247		Pump Off	Pump Off	0.45	269981			0.45	573823	Pump Off	260,400		Pump Off	811		1,857
5/10/2013		6558				0.49	277914			0.49	581756		272,760			828		1,875
5/24/2013		6889				0.50	289309			0.50	593151		281,000			855		1,902
6/14/2013		7257	Pump Off			0.50	301505			0.50	605348		383,000			889		1,936
6/28/2013		7559				0.60	313632			0.60	617474		345,375			925		1,972
7/12/2013		7854				0.6	323474			0.60	627316		307,750			951		1,998
7/26/2013		8190				0.6	332476			0.60	636318		320,750			974		2,021
8/16/2013		8681				0.6	348498	Pump Off	Pump Off	0.60	652340		354,333	Pump Off		1020	Pump Off	2,067
8/30/2013		9015				0.5	358064			0.50	661906		355,000			1049		2,096
9/13/2013		9351				0.6	369298			0.60	673140		355,667			1082		2,129
10/1/2013	8351	Pump Off		0.5	288252	Pump Off	Pump Off				684842	365,400	Pump Off		1056	Pump Off		2,163
10/18/2013	8758			0.34	300345					0.34	696935	348,609			1093			2,200
11/8/2013	9167	9938		0.23	307904	0.23	381337			0.45	707846	231,069	189,808		1110	1113		2,223
11/22/2013	9492	10262		0.26	312624	0.26	386057			0.52	717286	189,175	171,213		1118	1119		2,237
12/10/2013	9921	10691		0.30	319708	0.30	393141			0.60	731454	307,225	283,488		1134	1134		2,267
12/31/2013	10402	11172		0.25	326311	0.25	399785			0.50	744742	302,677	292,171		1146	1150		2,296
1/10/2014	10641	11411.1		0.18	328714	0.18	402188			0.36	749549	289,220	286,600		1152	1156		2,308
1/21/2014	10905	11674.6		0.18	331526	0.18	405000			0.35	755173	261,503	261,720		1159	1163		2,321
1/31/2014	11144	11914.3		0.25	334764	0.25	408238			0.50	761649	215,760	209,270		1165	1169		2,333
2/11/2014	11335	12175.4		0.23	337739	0.23	411213			0.45	767598	165,443	151,575		1169	1173		2,342
2/21/2014	11574	12414.3		0.20	340270	0.20	413744			0.40	772660	149,977	138,723		1173	1176		2,348
3/11/2014	11971	12811		0.35	347382	0.35	420856			0.69	786885	146,490	144,490		1181	1184		2,366
3/21/2014	12208	13048.1		0.30	351364	0.30	424838			0.60	794848	146,490	144,490		1186	1189		2,375
3/28/2014	12377	13217.4		0.23	354210	0.23	427684			0.45	800540	146,490	144,490		1190	1193		2,382

Summary Statistics		
Total Operating Days:	1141	(B) Days Between 2/1/11 and 3/28/14
Operating Days in Quarter	87	(C)
Total Volume Pumped During Quarter (gal):	55798	(D)
Average Flow Rate During Quarter (gpm):	0.45	(E) = (D)/(C * 1440) (system operates 1440 min/day)
VOC + 1,4-dioxane Mass Removed During Quarter (lb):	86	(F) Sum of Individual Well Mass Recovered
Overall VOC + 1,4-dioxane Mass Removed (lb):	2,382	(G)
VOC + 1,4dioxane Mass Removed per Operating Day (lb/d)[3] during Quarter:	0.98	(I) = (F) / (C)
Overall VOC + 1,4-dioxane Mass Removed Per Operating Day (lb/d)[4]:	2.26	(H) = (G) / (B)

Notes:
lb = pound
gal = gallon
L = liters
VOC = volatile organic compounds
µg/L = micrograms per liter
NM = not measured
d = Day

1. Laboratory data are collected periodically. For the purpose of mass removal estimates, VOC concentrations are interpolated between time intervals where laboratory data are not available.
2. VOC + 1,4-dioxane mass removed (lb) (based on laboratory data): (total volume [gal]) * (3.785 L/gal) * (dissolved concentration [µg/L]) * 1 lb/4.54x10^{8} µg
3. VOC + 1,4-dioxane mass removal rate calculated based on incremental VOC mass removed during reporting period divided by hours of system operation during reporting period.
4. Overall VOC + 1,4-dioxane mass removal rate calculated based on total mass removed divided by total hours of system operation.

TABLE 8
ALTERNATIVE INTERIM REMEDIAL ACTION PROGRAM DISSOLVED CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

Sample Location	Sample Date	Carbon Tetrachloride	Chloro-ethane	Chloroform	Chloro-methane	1,2-Dichloro-benzene	DCDFM	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Methylene Chloride	PCE	1,1,1-TCA	1,1,2-TCA	TCE	TCFM	TCTFA	Vinyl Chloride
		Halogenated Volatile Organic Compounds																		
		AIRAP Extraction Well Effluent Analytical Results (µg/L)																		
DPE-1B	3/3/2011	<250	<2500	180 J	<5000	<500	<500	1500	410	18000	3900	<500	4000 J	67000	43000	480 J	140000	<5000	3400 J	860
	3/15/2011	<250	<2500	<500	<5000	<500	<500	1100	210 J	13000	2100	<500	3000 J	65000	38000	<500	170000	<5000	5000	<250
	4/14/2011	<1000	<10000	<2000	<20000	<2000	<2000	1300 J	<1000	17000	3100	<2000	7100 J	68000	50000	<2000	210000	<20000	5500 J	<1000
	6/9/2011	Pump Off																		
	1/17/2012	<1000	<10000	<2000	<20000	<2000	<2000	2000	<1000	24000	6600	<2000	<20000	51000	67000	<2000	200000	<20000	<20000	1600
	2/7/2012	<1000	<10000	<2000	<20000	<2000	<2000	2400	<1000	32000	6400	<2000	<20000	95000	94000	<2000	330000	<20000	<20000	2000
	3/13/2012	<1000	<10000	<2000	<20000	<2000	<2000	3300	<1000	30000	8700	<2000	21000	140000	120000	<2000	380000	<20000	<20000	2600
	4/3/2012	<1200	<12000	<2500	<25000	<2500	<2500	<2500	<1200	32000	8000	<2500	<25000	79000	84000	<2500	300000	<25000	<25000	2000
	5/15/2012	<1200	<12000	<2500	<25000	<2500	<2500	<2500	<1200	27000	6300	<2500	<25000	54000	68000	<2500	250000	<25000	<25000	2100
	6/19/2012	<1200	<12000	<2500	<25000	<2500	<2500	<2500	<1200	28000	8200	<2500	<25000	37000	60000	<2500	240000	<25000	<25000	2200
	7/24/2012	<500	<5000	<1000	<10000	<1000	<1000	2200	<500	26000	7300	<1000	16000	25000	51000	<1000	170000	<10000	<10000	1600
	8/31/2012	<500	<5000	<1000	<10000	<1000	<1000	1500	<500	16000	3900	<1000	10000	51000	47000	<1000	140000	<10000	<10000	580
	9/14/2012	<500	<5000	<1000	<10000	<1000	<1000	1900	<500	19000	5600	<1000	12000	51000	67000	<1000	190000	<10000	<10000	1200
	10/16/2012	<500	<5000	<1000	<10000	<1000	<1000	1700	<500	17000	6100	<1000	18000	62000	53000	<1000	160000	<10000	<10000	<500
	11/13/2012	<1000	<10000	<2000	<20000	<2000	<2000	<2000	<1000	16000	4800	<2000	<20000	44000	52000	<2000	150000	<20000	<20000	<1000
	12/11/2012	<500	<5000	<1000	<10000	<1000	<1000	2100	<500	25000	4600	<1000	<10000	85000	86000	<1000	210000	<10000	<10000	510
	10/15/2013	<1000	<10000	<2000	<20000	<2000	<2000	<2000	<1000	16000	3700	<2000	<20000	47000	71000	<2000	200000	<20000	<20000	<1000
	11/19/2013	<1000	<10000	<2000	<20000	<2000	<2000	2400	<1000	18000	4800	<2000	<20000	64000	100000	<2000	210000	<20000	<20000	<1000
	12/13/2013	<1000	<10000	<2000	<20000	<2000	<2000	4700	<1000	24000	4300	<2000	<20000	82000	110000	<2000	240000	<20000	<20000	<1000
	1/17/2014	<1000	<10000	<2000	<20000	<2000	<2000	2400	<1000	20000	5200	<2000	<20000	74000	80000	<2000	200000	<20000	<20000	<1000
	2/14/2014	<250	<2500	<500	<5000	<500		1800	340	16000	2500	<500	7300	72000	50000	<500	150000	<5000	5300	<250
	3/7/2014	<500	<5000	<1000	<10000	<1000		1400	<500	15000	2900	<1000	<10000	63000	62000	<1000	160000	<10000	<10000	<500
DPE-2B	3/15/2011	<250	<2500	<500	<5000	<500	<500	1400	420	16000	3500	<500	3100 J	77000	44000	390 J	200000	<5000	4100 J	730
	4/14/2011	<500	<5000	<1000	<10000	<1000	<1000	1800	390 J	20000	5300	<1000	9500 J	68000	48000	<1000	190000	<10000	3900 J	1600
	6/9/2011	<500	<5000	<1000	<10000	<1000	<1000	2000	680	17000	6300	<1000	7100 J	68000	43000	500 J	170000	<10000	2700 J	1100
	7/12/2011	<250	<2500	280 J	<5000	<500	<500	2500	490	24000	7400	<500	7400	72000	54000	640	170000	<5000	4800 J	1600
	8/16/2011	<500	<5000	<1000	<10000	<1000	<1000	1700	410 J	15000	5100	<1000	6600 J	55000	33000	480 J	140000	<10000	2300 J	1400
	9/20/2011	<500	<5000	<1000	<10000	<1000	<1000	1900	410 J	23000	5600	<1000	10000	68000	59000	420 J	210000	<10000	3600 J	1800
	10/20/2011	<1000	<10000	<2000	<20000	<2000	<2000	1900 J	<1000	24000	6500	<2000	13000 J	65000	63000	<2000	200000	<20000	2900 J	1400
	11/9/2011	<1000	<10000	<2000	<20000	<2000	<2000	<2000	<1000	25000	6500	<2000	<20000	62000	60000	<2000	210000	<20000	<20000	2700
	12/13/2011	<1000	<10000	<2000	<20000	<2000	<2000	<2000	<1000	24000	5600	<2000	<20000	56000	64000	<2000	200000	<20000	<20000	2200
	1/8/2013	<500	<5000	<1000	<10000	<1000	<1000	1600	<500	17000	6800	<1000	<10000	76000	45000	<1000	140000	<10000	<10000	1700
	2/12/2013	<500	<5000	<1000	<10000	<1000	<1000	2000	<500	23000	7300	<1000	13000	57000	52000	<1000	180000	<10000	<10000	1400
	3/5/2013	<500	<5000	<1000	<10000	<1000	<1000	1800	<500	19000	6600	<1000	11000	44000	52000	<1000	140000	<10000	<10000	1300
	4/19/2013	<500	<5000	<1000	<10000	<1000	<1000	1400	<500	18000	4600	<1000	10000	42000	53000	<1000	120000	<10000	<10000	1400
	5/24/2013	<500	<5000	<1000	<10000	<1000	<1000	1500	<500	17000	6200	<1000	10000	44000	47000	<1000	140000	<10000	<10000	1200
	6/7/2013	<500	<5000	<1000	<10000	<1000	<1000	3500	<500	23000	5900	<1000	18000	49000	77000	<1000	180000	<10000	<10000	1300
	7/16/2013	<500	<5000	<1000	<10000	<1000	<1000	1600	<500	16000	6200	<1000	<10000	63000	49000	<1000	140000	<10000	<10000	1200
	8/9/2013	<500	<5000	<1000	<10000	<1000	<1000	1600	<500	18000	6200	<1000	10000	64000	63000	<1000	170000	<10000	<10000	1200
	9/20/2013	<500	<5000	<1000	<10000	<1000	<1000	2400	<500	18000	7300	<1000	14000	63000	71000	<1000	170000	<10000	<10000	1700
	11/19/2013	<250	<2500	<500	<5000	<500	<500	1000	<250	6700	5400	<500	7500	30000	29000	<500	55000	<5000	<5000	900
	12/13/2013	<500	<5000	<1000	<10000	<1000	<1000	2700	<500	17000	9200	<1000	13000	49000	67000	<1000	130000	<10000	<10000	3000
	1/17/2014	<500	<5000	<1000	<10000	<1000	<1000	2300	<500	16000	8400	<1000	13000	60000	71000	<1000	100000	<10000	<10000	1000
	2/14/2014	<100	<1000	<200	<2000	<200		1200	130	7100	5700	<200	7000	31000	29000	<200	43000	<2000	<2000	960
	3/7/2014	<250	<2500	<500	<5000	<500		990	<250	7400	4300	<500	7500	31000	33000	<500	48000	<5000	<5000	1300
DPE-5B		Pump Off																		

TABLE 8
ALTERNATIVE INTERIM REMEDIAL ACTION PROGRAM DISSOLVED CONCENTRATIONS
FORMER WESTERN CHEMICAL FACILITY
14650 E. Firestone Blvd., La Mirada, California

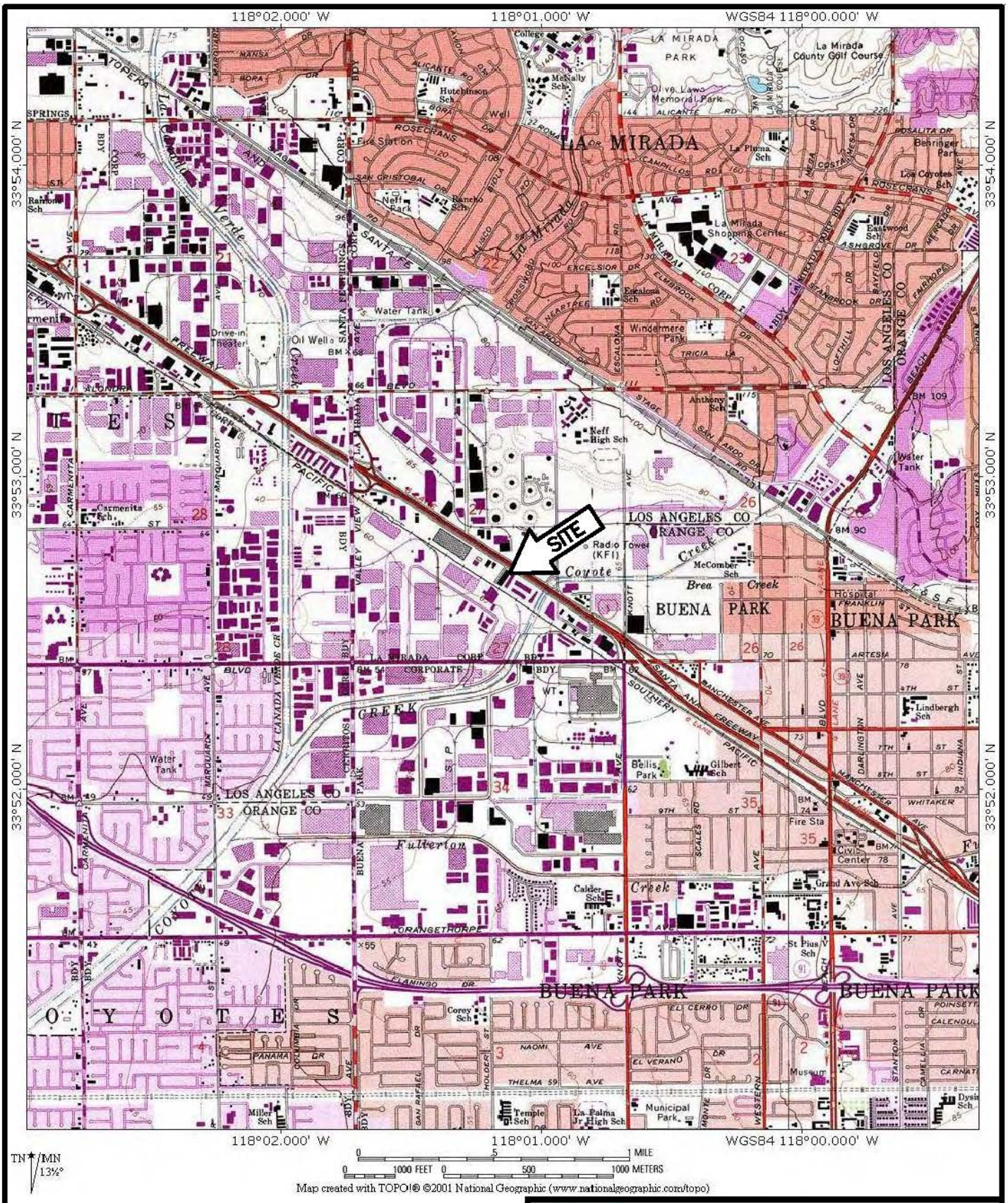
Sample Date	Sample Date	Acetone	2-Butanone	Benzene	Carbon Disulfide	1,4-Dioxane	Ethyl-benzene	MTBE	THF	Toluene	1,2,4-TMB	o-Xylene	p/m-Xylene	Total VOCs + 1,4-dioxane
		Non-Halogenated Volatile Organic Compounds												
		AIRAP Extraction Well Effluent Analytical Results (µg/L)												
DPE-1B	3/3/2011	<25000	<5000	<250	<5000	56000	120 J	<500		800	<500	350 J	160 J	340160
	3/15/2011	<25000	<5000	<250	<5000	19000	<500	<500		680	<500	<500	<500	317090
	4/14/2011	<100000	<20000	<1000	<20000	26000	<2000	<2000		790 J	<2000	<2000	<2000	388790
	6/9/2011	Pump Off												
	1/17/2012	<40000	<20000	<1000	<20000	46000	<2000	<2000		<2000	<2000	<2000	<2000	398200
	2/7/2012	<40000	<20000	<1000	<20000	30000	<2000	<2000		<2000	<2000	<2000	<2000	591800
	3/13/2012	<40000	<20000	<1000	<20000	32000	<2000	<2000		<2000	<2000	<2000	<2000	737600
	4/3/2012	<50000	<25000	<1200	<25000		<2500	<2500		<2500	<2500	<2500	<2500	505000
	5/15/2012	<50000	<25000	<1200	<25000	25000	<2500	<2500		<2500	<2500	<2500	<2500	432400
	6/19/2012	<50000	<25000	<1200	<25000	36000	<2500	<2500		<2500	<2500	<2500	<2500	411400
	7/24/2012	<20000	<10000	<500	<10000	25000	<1000	<1000		<1000	<1000	<1000	<1000	324100
	8/31/2012	<20000	<10000	<500	<10000	31000	<1000	<1000		<1000	<1000	<1000	<1000	300980
	9/14/2012	<20000	<10000	<500	<10000	21000	<1000	<1000		1100	<1000	<1000	<1000	369800
	10/16/2012	<20000	<10000	<500	<10000	17000	<1000	<1000		<1000	<1000	<1000	<1000	334800
	11/13/2012	<40000	<20000	<1000	<20000	25000	<2000	<2000		<2000	<2000	<2000	<2000	291800
	12/11/2012	<20000	<10000	<500	<10000	17000	<1000	<1000		1200	<1000	<1000	<1000	431410
	10/15/2013	<40000	<20000	<1000	<20000	18000	<2000	<2000		<2000	<2000	<2000	<2000	365400
	11/19/2013	<40000	<20000	<1000	<20000	34000	<2000	<2000		<2000	<2000	<2000	<2000	169500
	12/13/2013	<40000	<20000	<1000	<20000	36000	<2000	<2000		<2000	<2000	<2000	<2000	326900
	1/17/2014	<40000	<20000	<1000	<20000	8100	<2000	<2000			<2000	<2000	<2000	279800
	2/14/2014	<10000	<5000	<250	<5000	26000	<500	<500	<10000	630	<500	<500	<500	151720
	3/7/2014	<20000	<10000	<500	<10000	13000	<1000	<1000	<20000	<1000	<1000	<1000	<1000	146490
DPE-2B	3/15/2011	<25000	<5000	<250	<5000	31000	110 J	<500		760	<500	300 J	150 J	382960
	4/14/2011	<50000	<10000	<500	<10000	50000	<1000	<1000		940 J	<1000	<1000	<1000	399430
	6/9/2011	<20000	<10000	180 J	<10000	46000	200 J	<1000		1200	<1000	460 J	<1000	366420
	7/12/2011	<10000	<5000	130 J	<5000	46000	230 J	<500		1400	<500	660	260 J	393790
	8/16/2011	<20000	<10000	<500	<10000	41000	<1000	<1000		990 J	<1000	320 J	<1000	303300
	9/20/2011	<20000	<10000	<500	<10000	39000	140 J	<1000		1100	<1000	250 J	<1000	424220
	10/20/2011	<40000	<20000	<1000	<20000	34000	<2000	1100 J		1200 J	<2000	<2000	<2000	414000
	11/9/2011	<40000	<20000	<1000	<20000	48000	<2000	<2000		<2000	<2000	<2000	<2000	414200
	12/13/2011	<40000	<20000	<1000	<20000	53000	<2000	<2000		<2000	<2000	<2000	<2000	404800
	1/8/2013	<20000	<10000	<500	<10000	14000	<1000	<1000		1400	<1000	<1000	<1000	303500
	2/12/2013	<20000	<10000	<500	<10000	12000	<1000	<1000		1400	<1000	<1000	<1000	349100
	3/5/2013	<20000	<10000	<500	<10000	17000	<1000	<1000		<1000	<1000	<1000	<1000	292700
	4/19/2013	<20000	<10000	<500	<10000	10000	<1000	<1000		<1000	<1000	<1000	<1000	260400
	5/24/2013	<20000	<10000	<500	<10000	13000	<1000	<1000		1100	<1000	<1000	<1000	281000
	6/7/2013	<20000	<10000	<500	<10000	24000	<1000	<1000		1300	<1000	<1000	<1000	383000
	7/16/2013	<20000	<10000	<500	<10000	20000	<1000	<1000		<1000	<1000	<1000	<1000	297000
	8/9/2013	<20000	<10000	<500	<10000	19000	<1000	<1000		1000	<1000	<1000	<1000	354000
	9/20/2013	<20000	<10000	<500	<10000	7600	<1000	<1000		1000	<1000	<1000	<1000	356000
	11/19/2013	<10000	<5000	<250	<5000	17000	<500	<500		<500	<500	<500	<500	152500
	12/13/2013	<20000	<10000	<500	<10000	10000	<1000	<1000		1300	<1000	<1000	<1000	302200
	1/17/2014	<20000	<10000	<500	<10000	11000	<1000	<1000		<1000	<1000	<1000	<1000	282700
	2/14/2014	<4000	<2000	<100	<2000	9900	<200	<200	<4000	530	<200	320	<200	135840
	3/7/2014	<10000	<5000	<250	<5000	11000	<500	<500	<10000	<500	<500	<500	<500	144490
DPE-5B		Pump Off												

NOTES:
1. Groundwater samples were analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method No. 8260B. The results are reported in micrograms per liter (µg/L)
2. Abbreviations used for chemical constituents:

1,1-DCA = 1,1 – Dichloroethane
cis 1,2-DCE = *cis* 1,2 – Dichloroethene
1,1,2-TCA = 1,1,2-Trichloroethane
1,2-DCA = 1,2 – Dichloroethane
PCE = Tetrachloroethene
TCE = Trichloroethene
trans 1,2-DCE = *trans* 1,2 - Dichloroethene
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1 - Trichloroethane
TCFM = Trichlorofluoromethane
TCTFA = 1,1,2-Trichloro 1,2,2-trifluorethane (Freon 113)
THF = Tetrahydrofuran
m/p-Xylene = meta/para Xylene
o -Xylene = ortho Xylene
1,2,3-TCP = 1,2,3-Trichloropropane
MTBE = Methyl tert butyl Ether
DCDFM = dichloro-difluoromethane

3. NA = sample not analyzed for indicated chemical constituent.
4. < X = less than indicated method detection limit. Samples were analyzed by GCMS for VOCs.
5. Data qualifiers: J = Estimated value, reported concentration between the method detection limit (MDL) and reporting limit (RL).
U = Qualified as non-detect due to presence of compound in trip or equipment blanks
Due to elevated concentrations of some of the analytes, samples required dilution which resulted in a corresponding elevation in detection limits..
This practice is necessary in order to be able to achieve results within the calibration range.
Therefore, compounds reported as non-detected may be present in the air samples analyzed, but were not detected below the elevated detection levels.

FIGURES

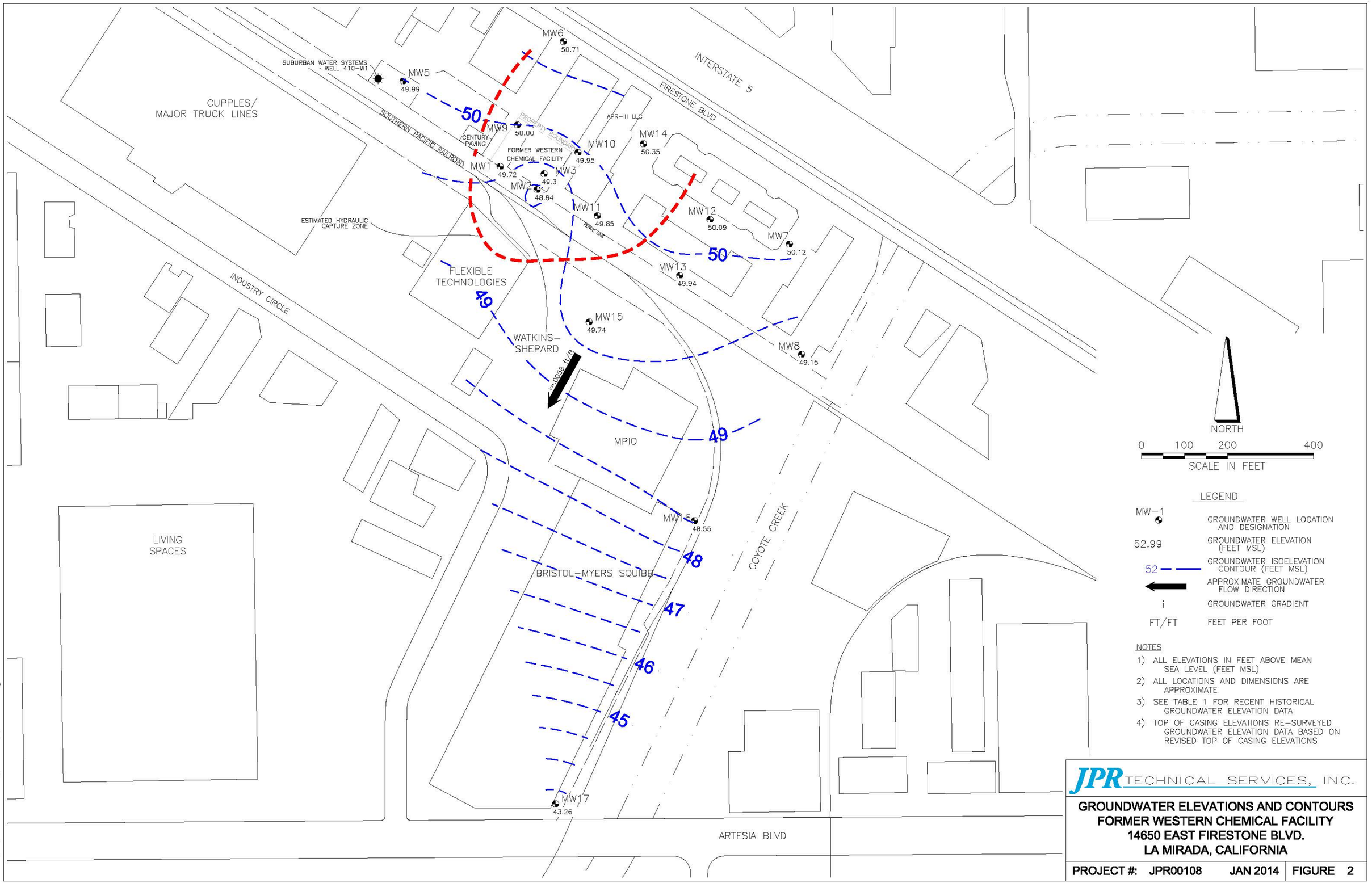


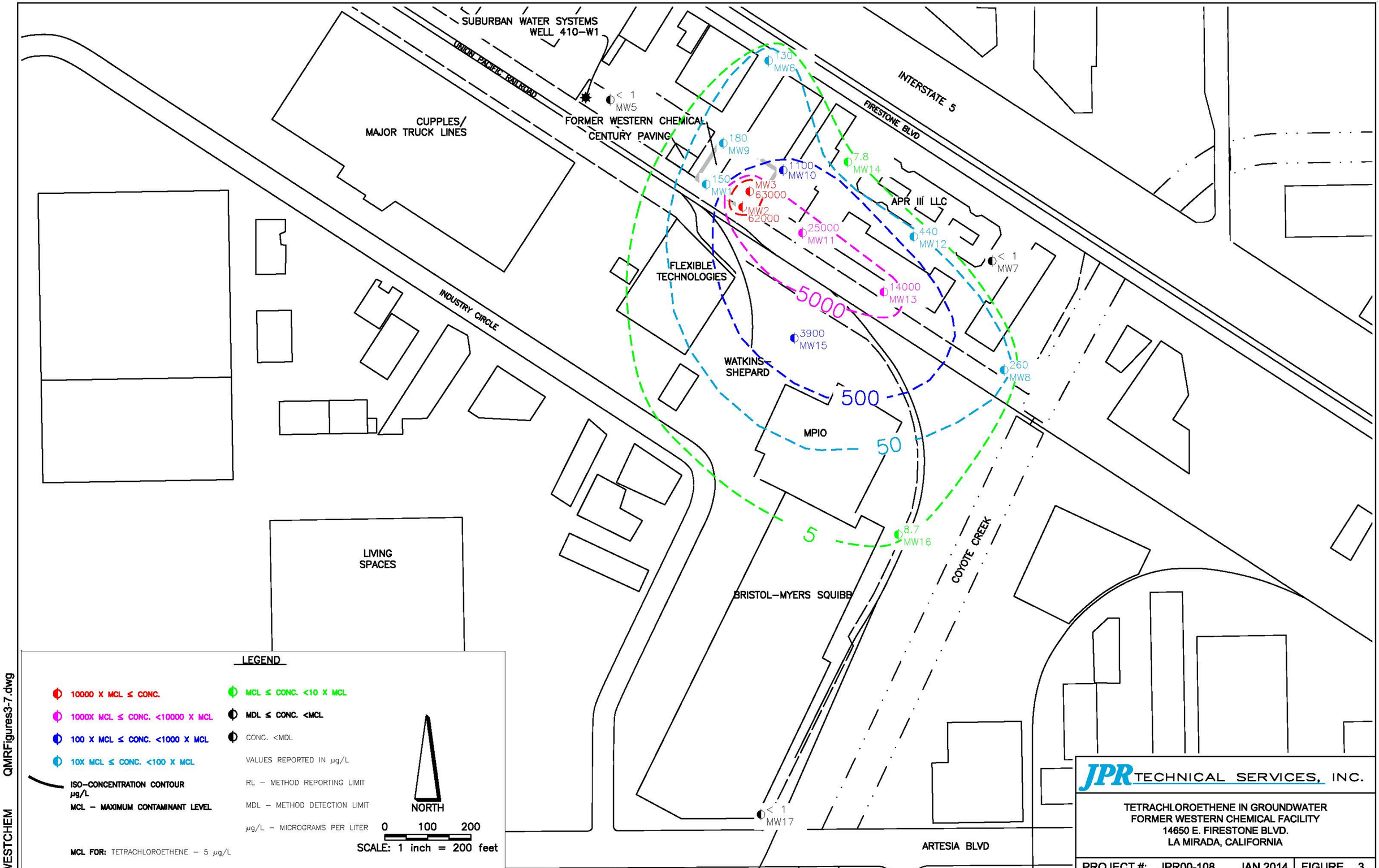
JPR TECHNICAL SERVICES, INC.

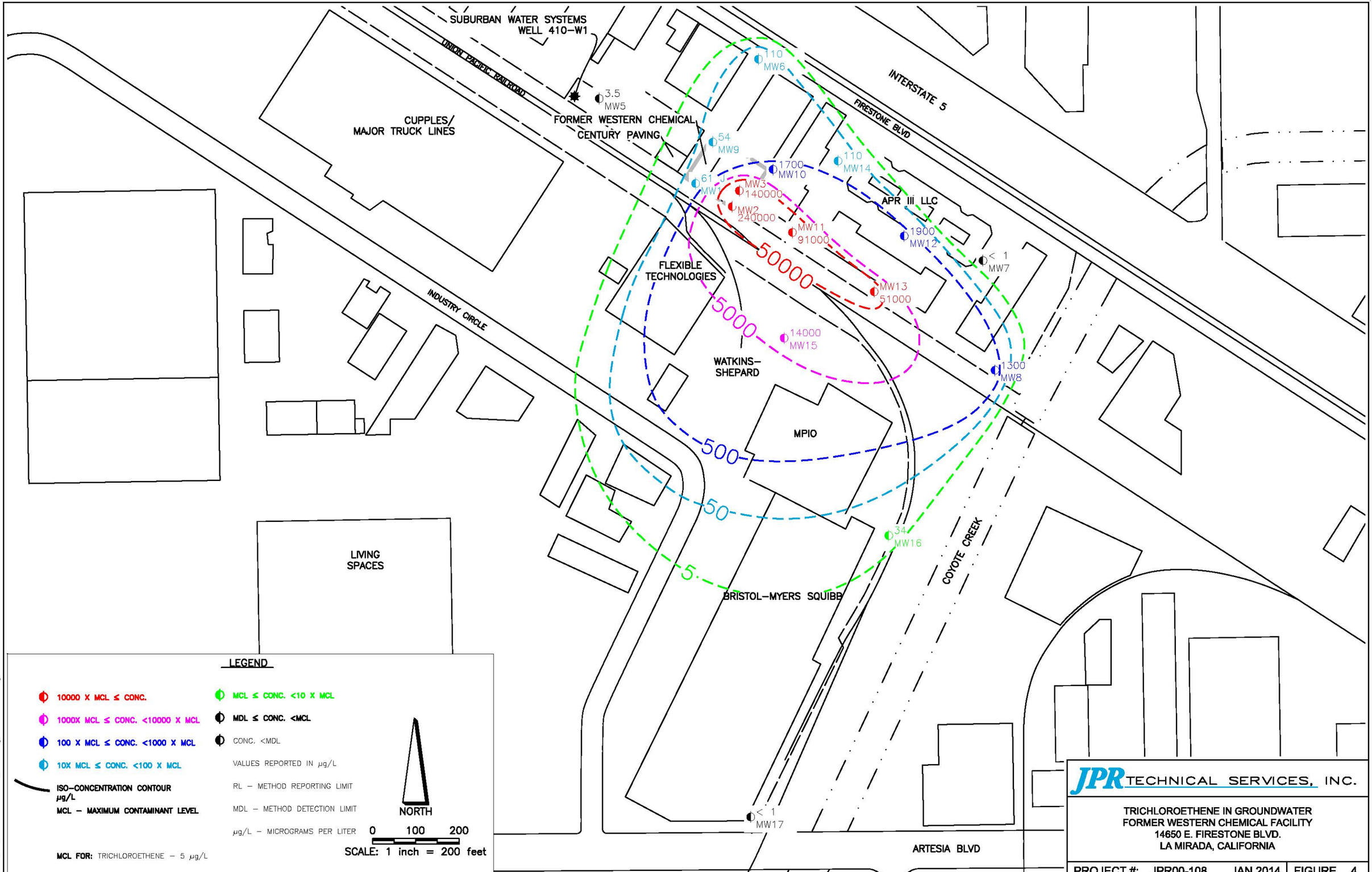
SITE LOCATION MAP
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFONRIA

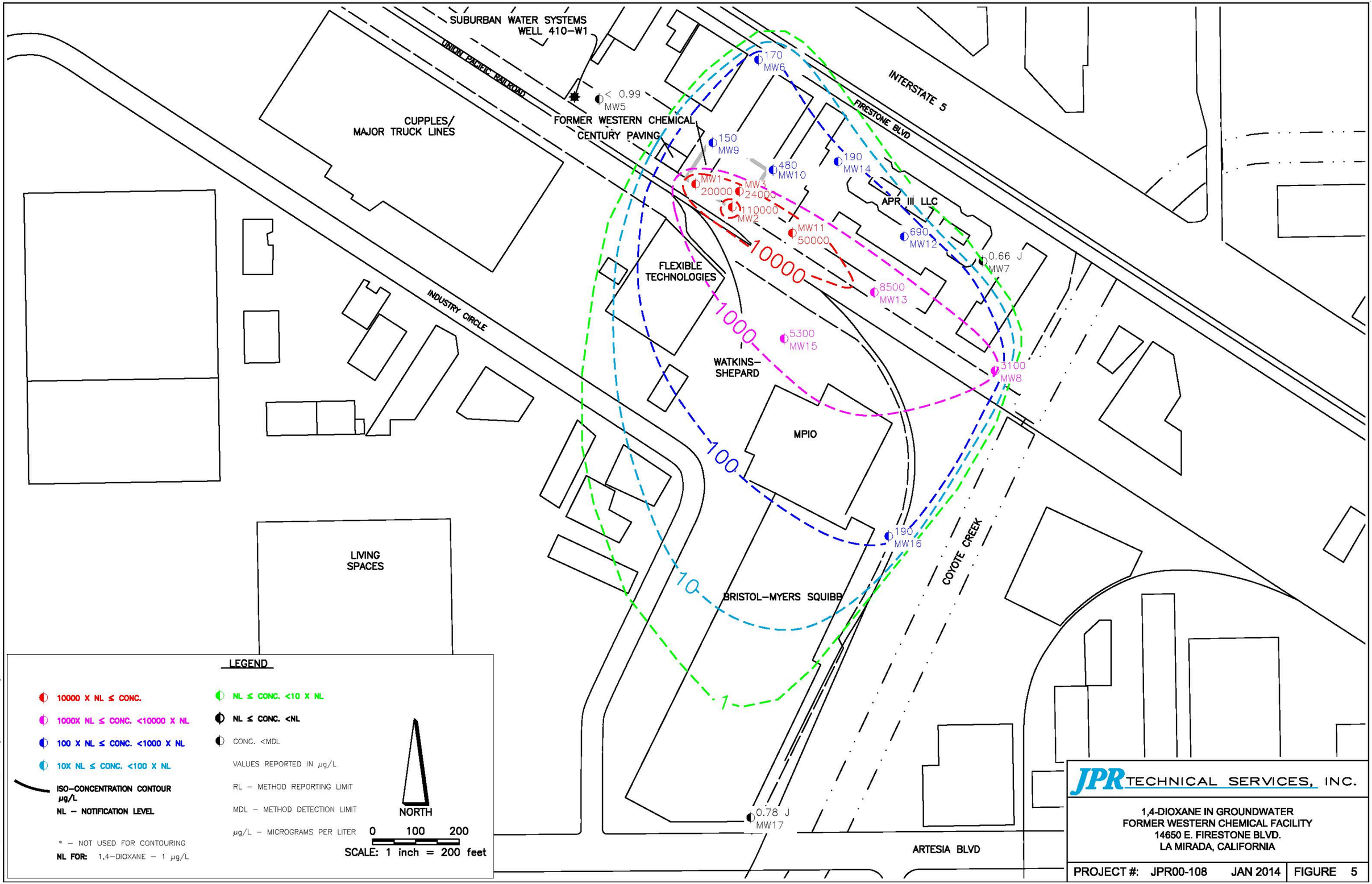
SCALE: 1 inch = 0.5 mile

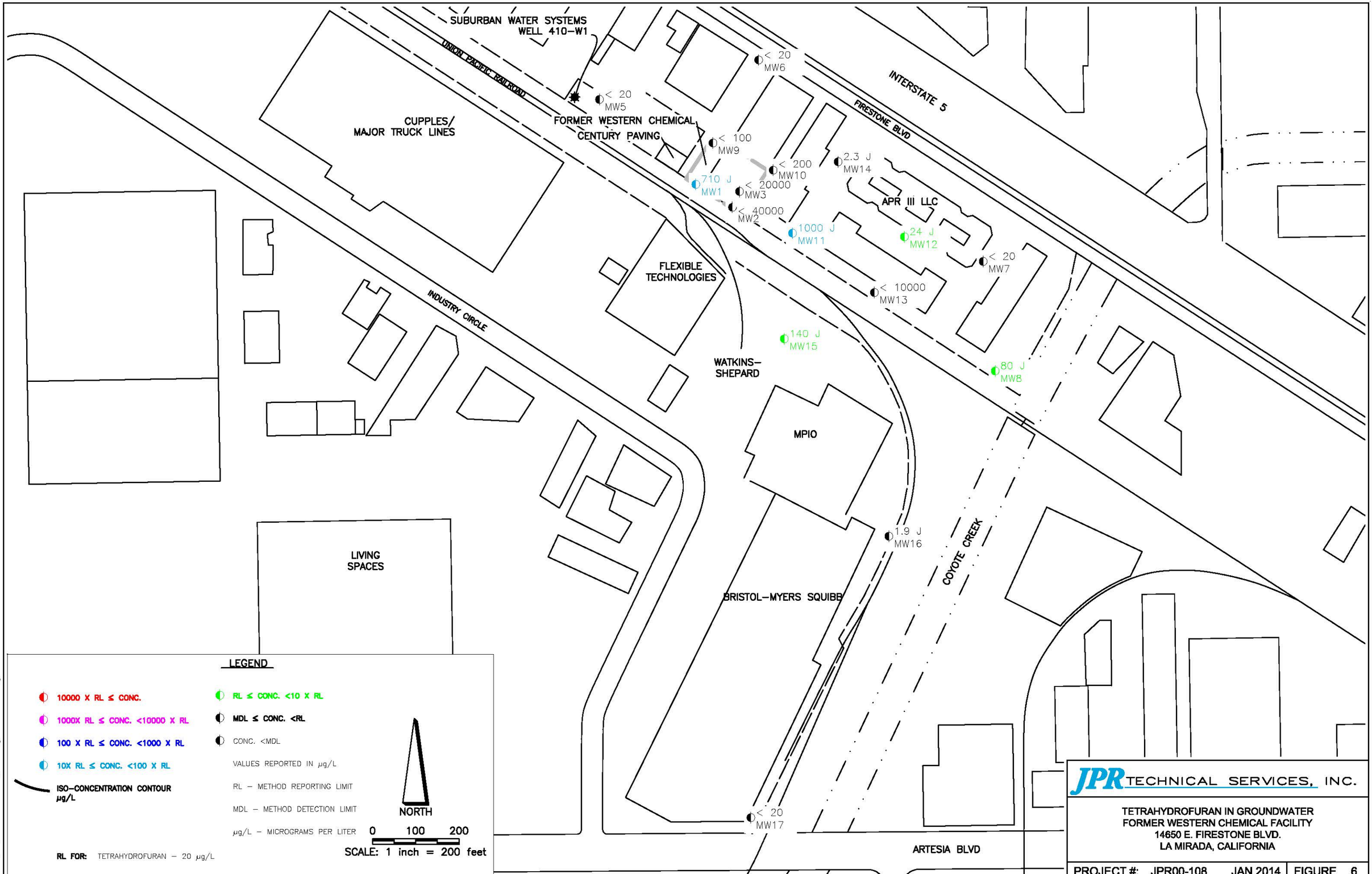
PROJECT #: JPR00-108	FIGURE 1

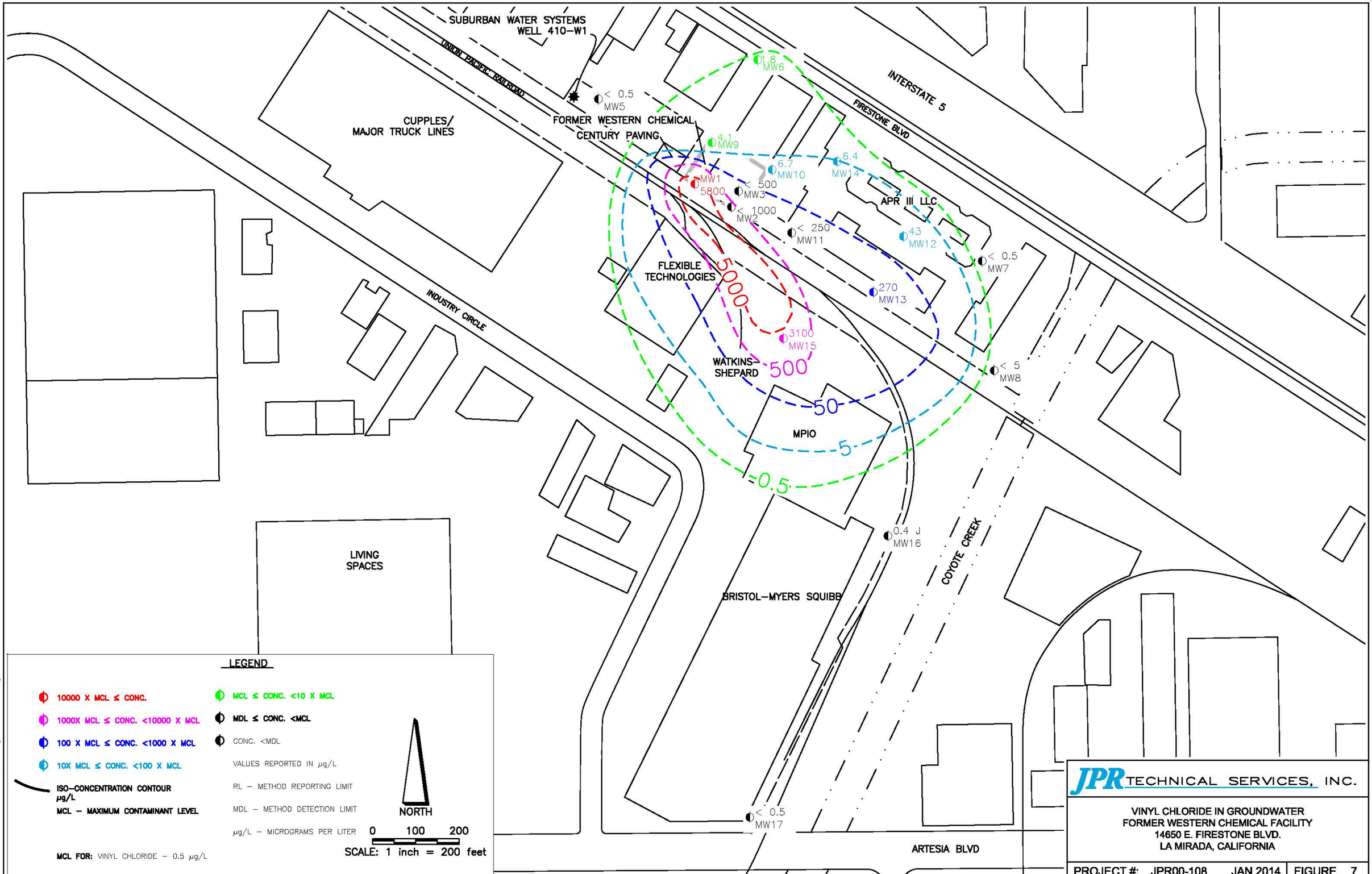

CUPPLES/
MAJOR TRUCK LINES
SUBURBAN WATER SYSTEMS
WELL 410-W1
MW5
49.99
MW6
50.71
INTERSTATE 5
FIRESTONE BLVD
SOUTHERN PACIFIC RAILROAD
CENTURY PAVING
MW9
50.00
PROPERTY BOUNDARY
APR-III LLC
MW14
50.35
MW10
49.95
FORMER WESTERN
CHEMICAL FACILITY
MW1
49.72
MW3
49.3
MW2
48.84
MW11
49.85
FENCE LINE
MW12
50.09
MW7
50.12
ESTIMATED HYDRAULIC
CAPTURE ZONE
FLEXIBLE
TECHNOLOGIES
MW13
49.94
INDUSTRY CIRCLE
MW15
49.74
WATKINS-
SHEPARD
i=.00638 ft/ft
MW8
49.15
MPIO
MW16
48.55
COYOTE CREEK
LIVING
SPACES
BRISTOL-MYERS SQUIBB
MW17
43.26
ARTESIA BLVD
50
49
48
47
46
45
NORTH
0 100 200 400
SCALE IN FEET
LEGEND
MW-1 GROUNDWATER WELL LOCATION AND DESIGNATION
52.99 GROUNDWATER ELEVATION (FEET MSL)
52 GROUNDWATER ISOELEVATION CONTOUR (FEET MSL)
APPROXIMATE GROUNDWATER FLOW DIRECTION
i GROUNDWATER GRADIENT
FT/FT FEET PER FOOT
NOTES
1) ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (FEET MSL)
2) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
3) SEE TABLE 1 FOR RECENT HISTORICAL GROUNDWATER ELEVATION DATA
4) TOP OF CASING ELEVATIONS RE-SURVEYED GROUNDWATER ELEVATION DATA BASED ON REVISED TOP OF CASING ELEVATIONS
JPR TECHNICAL SERVICES, INC.
GROUNDWATER ELEVATIONS AND CONTOURS
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00108 JAN 2014 FIGURE 2
WESTCHEM QMRFIGURE2.dwg

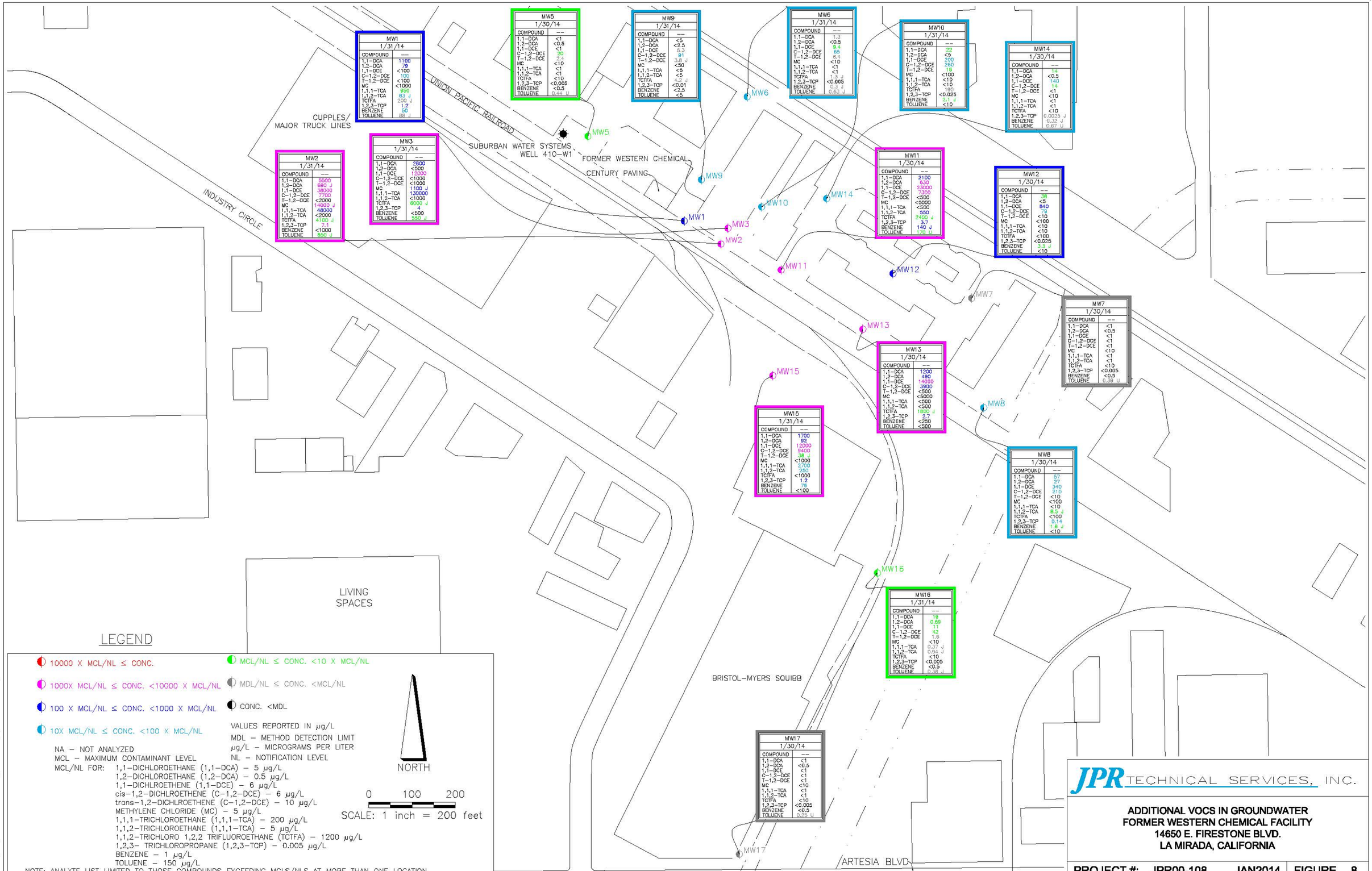

SUBURBAN WATER SYSTEMS
WELL 410-W1
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
FORMER WESTERN CHEMICAL
CENTURY PAVING
INTERSTATE 5
FIRESTONE BLVD
INDUSTRY CIRCLE
FLEXIBLE
TECHNOLOGIES
APR III LLC
WATKINS-
SHEPARD
MPIO
BRISTOL-MYERS SQUIBB
COYOTE CREEK
LIVING
SPACES
ARTESIA BLVD
< 1
MW5
130
MW6
180
MW9
150
MW1
1100
MW10
MW3
63000
MW2
62000
7.8
MW14
25000
MW11
440
MW12
< 1
MW7
14000
MW13
3900
MW15
260
MW8
8.7
MW16
< 1
MW17
5000
500
50
5
LEGEND
10000 X MCL ≤ CONC.
1000X MCL ≤ CONC. <10000 X MCL
100 X MCL ≤ CONC. <1000 X MCL
10X MCL ≤ CONC. <100 X MCL
ISO-CONCENTRATION CONTOUR µg/L
MCL - MAXIMUM CONTAMINANT LEVEL
MCL FOR: TETRACHLOROETHENE - 5 µg/L
MCL ≤ CONC. <10 X MCL
MDL ≤ CONC. <MCL
CONC. <MDL
VALUES REPORTED IN µg/L
RL - METHOD REPORTING LIMIT
MDL - METHOD DETECTION LIMIT
µg/L - MICROGRAMS PER LITER
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
TETRACHLOROETHENE IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN 2014
FIGURE 3
WESTCHEM
QMRFigures3-7.dwg

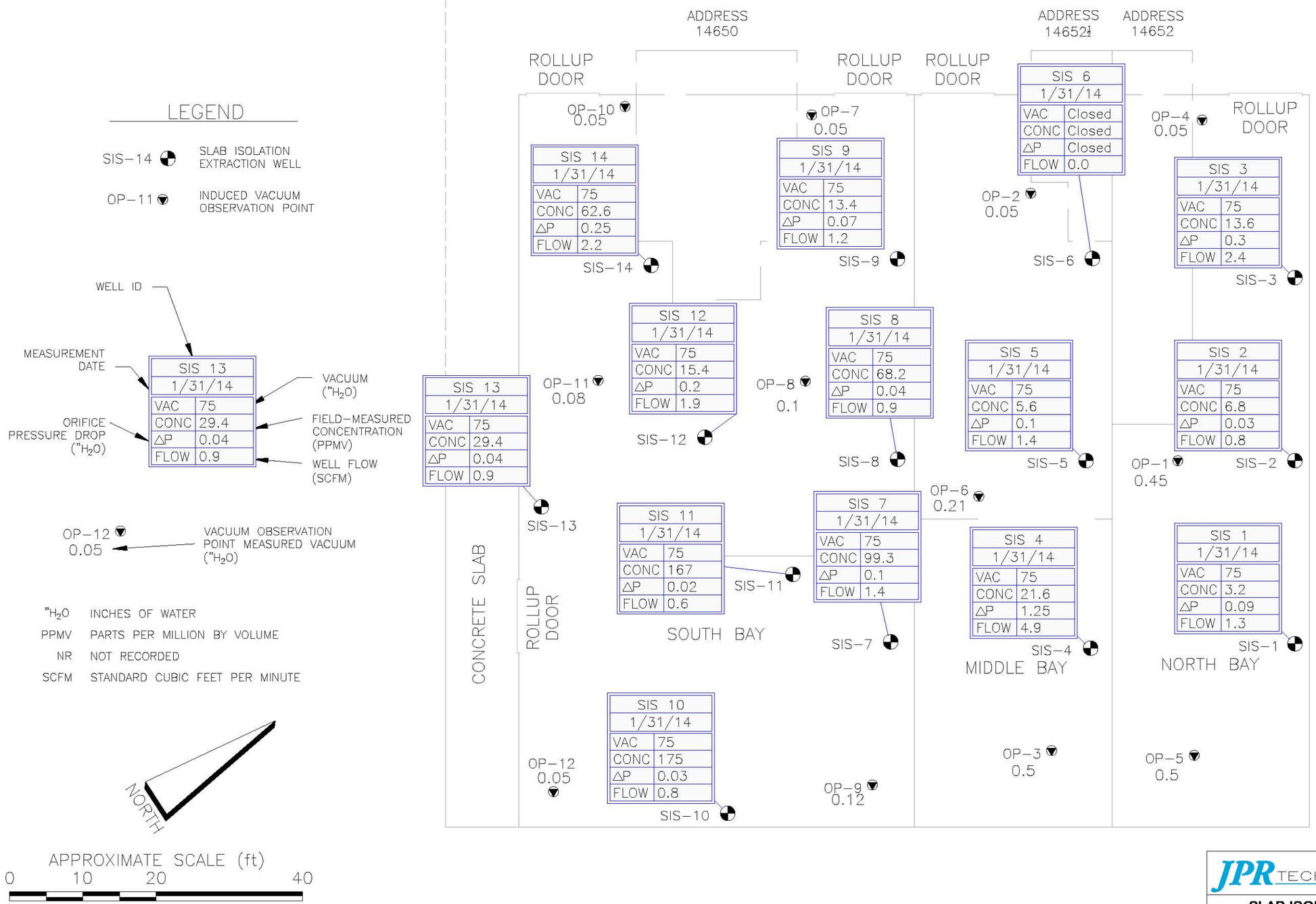

SUBURBAN WATER SYSTEMS
WELL 410-W1
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
FORMER WESTERN CHEMICAL
CENTURY PAVING
INTERSTATE 5
FIRESTONE BLVD
APR III LLC
FLEXIBLE
TECHNOLOGIES
INDUSTRY CIRCLE
WATKINS-
SHEPARD
MPIO
LIVING
SPACES
BRISTOL-MYERS SQUIBB
COYOTE CREEK
ARTESIA BLVD
3.5
MW5
110
MW6
54
MW9
1700
MW10
110
MW14
61
MW1
MW3
140000
MW2
240000
MW11
91000
1900
MW12
< 1
MW7
MW13
51000
14000
MW15
1300
MW8
34
MW16
< 1
MW17
50000
5000
500
50
5
LEGEND
10000 X MCL ≤ CONC.
1000X MCL ≤ CONC. <10000 X MCL
100 X MCL ≤ CONC. <1000 X MCL
10X MCL ≤ CONC. <100 X MCL
ISO-CONCENTRATION CONTOUR µg/L
MCL - MAXIMUM CONTAMINANT LEVEL
MCL FOR: TRICHLOROETHENE - 5 µg/L
MCL ≤ CONC. <10 X MCL
MDL ≤ CONC. <MCL
CONC. <MDL
VALUES REPORTED IN µg/L
RL - METHOD REPORTING LIMIT
MDL - METHOD DETECTION LIMIT
µg/L - MICROGRAMS PER LITER
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
TRICHLOROETHENE IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN 2014
FIGURE 4
WESTCHEM QMRFigures3-7.dwg


SUBURBAN WATER SYSTEMS
WELL 410-W1
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
< 0.99
MW5
FORMER WESTERN CHEMICAL
CENTURY PAVING
170
MW6
INTERSTATE 5
FIRESTONE BLVD
150
MW9
480
MW10
190
MW14
MW1
20000
MW3
24000
110000
MW2
APR III LLC
MW11
50000
690
MW12
0.66 J
MW7
10000
FLEXIBLE
TECHNOLOGIES
8500
MW13
INDUSTRY CIRCLE
1000
5300
MW15
WATKINS-
SHEPARD
3100
MW8
MPIO
100
190
MW16
COYOTE CREEK
LIVING
SPACES
10
BRISTOL-MYERS SQUIBB
1
0.78 J
MW17
ARTESIA BLVD
LEGEND
10000 X NL ≤ CONC.
1000X NL ≤ CONC. <10000 X NL
100 X NL ≤ CONC. <1000 X NL
10X NL ≤ CONC. <100 X NL
ISO-CONCENTRATION CONTOUR µg/L
NL - NOTIFICATION LEVEL
* - NOT USED FOR CONTOURING
NL FOR: 1,4-DIOXANE - 1 µg/L
NL ≤ CONC. <10 X NL
NL ≤ CONC. <NL
CONC. <MDL
VALUES REPORTED IN µg/L
RL - METHOD REPORTING LIMIT
MDL - METHOD DETECTION LIMIT
µg/L - MICROGRAMS PER LITER
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
1,4-DIOXANE IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN 2014
FIGURE 5
WESTCHEM
QMRFigures3-7.dwg


SUBURBAN WATER SYSTEMS
WELL 410-W1
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
FORMER WESTERN CHEMICAL
CENTURY PAVING
< 20
MW5
< 20
MW6
INTERSTATE 5
FIRESTONE BLVD
< 100
MW9
< 200
MW10
2.3 J
MW14
710 J
MW1
< 20000
MW3
< 40000
MW2
APR III LLC
1000 J
MW11
24 J
MW12
< 20
MW7
FLEXIBLE
TECHNOLOGIES
< 10000
MW13
INDUSTRY CIRCLE
140 J
MW15
WATKINS-
SHEPARD
80 J
MW8
MPIO
1.9 J
MW16
COYOTE CREEK
LIVING
SPACES
BRISTOL-MYERS SQUIBB
< 20
MW17
ARTESIA BLVD
LEGEND
10000 X RL ≤ CONC.
1000X RL ≤ CONC. <10000 X RL
100 X RL ≤ CONC. <1000 X RL
10X RL ≤ CONC. <100 X RL
ISO-CONCENTRATION CONTOUR µg/L
RL ≤ CONC. <10 X RL
MDL ≤ CONC. <RL
CONC. <MDL
VALUES REPORTED IN µg/L
RL - METHOD REPORTING LIMIT
MDL - METHOD DETECTION LIMIT
µg/L - MICROGRAMS PER LITER
RL FOR: TETRAHYDROFURAN - 20 µg/L
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
TETRAHYDROFURAN IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN 2014
FIGURE 6
WESTCHEM QMRFigures3-7.dwg


SUBURBAN WATER SYSTEMS
WELL 410-W1
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
FORMER WESTERN CHEMICAL
CENTURY PAVING
INTERSTATE 5
FIRESTONE BLVD
INDUSTRY CIRCLE
< 0.5
MW5
1.8
MW6
4.1
MW9
6.7
MW10
6.4
MW14
MW1
5800
< 500
MW3
< 1000
MW2
< 250
MW11
43
MW12
< 0.5
MW7
APR III LLC
FLEXIBLE
TECHNOLOGIES
5000
270
MW13
3100
MW15
WATKINS-
SHEPARD
500
< 5
MW8
50
MPIO
5
0.5
0.4 J
MW16
COYOTE CREEK
LIVING
SPACES
BRISTOL-MYERS SQUIBB
< 0.5
MW17
ARTESIA BLVD
LEGEND
10000 X MCL ≤ CONC.
1000X MCL ≤ CONC. <10000 X MCL
100 X MCL ≤ CONC. <1000 X MCL
10X MCL ≤ CONC. <100 X MCL
ISO-CONCENTRATION CONTOUR µg/L
MCL - MAXIMUM CONTAMINANT LEVEL
MCL FOR: VINYL CHLORIDE - 0.5 µg/L
MCL ≤ CONC. <10 X MCL
MDL ≤ CONC. <MCL
CONC. <MDL
VALUES REPORTED IN µg/L
RL - METHOD REPORTING LIMIT
MDL - METHOD DETECTION LIMIT
µg/L - MICROGRAMS PER LITER
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
VINYL CHLORIDE IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN 2014
FIGURE 7
WESTCHEM
QMRFigures3-7.dwg


MW1
1/31/14
COMPOUND --
1,1-DCA 1100
1,2-DCA 79
1,1-DCE <100
C-1,2-DCE 100
T-1,2-DCE <100
MC <1000
1,1,1-TCA 950
1,1,2-TCA 83 J
TCTFA 200 J
1,2,3-TCP 1.2
BENZENE 50
TOLUENE 88 J
MW2
1/31/14
COMPOUND --
1,1-DCA 5500
1,2-DCA 680 J
1,1-DCE 38000
C-1,2-DCE 7700
T-1,2-DCE <2000
MC 14000 J
1,1,1-TCA 48000
1,1,2-TCA <2000
TCTFA 4100 J
1,2,3-TCP 7.1
BENZENE <1000
TOLUENE 850 J
MW3
1/31/14
COMPOUND --
1,1-DCA 2800
1,2-DCA <500
1,1-DCE 12000
C-1,2-DCE <1000
T-1,2-DCE <1000
MC 1100 J
1,1,1-TCA 130000
1,1,2-TCA <1000
TCTFA 6000 J
1,2,3-TCP 4
BENZENE <500
TOLUENE 550 J
MW5
1/30/14
COMPOUND --
1,1-DCA <1
1,2-DCA <0.5
1,1-DCE <1
C-1,2-DCE 20
T-1,2-DCE 2.4
MC <10
1,1,1-TCA <1
1,1,2-TCA <1
TCTFA <10
1,2,3-TCP <0.005
BENZENE <0.5
TOLUENE 0.44 U
MW9
1/31/14
COMPOUND --
1,1-DCA <5
1,2-DCA <2.5
1,1-DCE 6.3
C-1,2-DCE 91
T-1,2-DCE 3.8 J
MC <50
1,1,1-TCA <5
1,1,2-TCA <5
TCTFA 1.3 J
1,2,3-TCP <0.01
BENZENE <2.5
TOLUENE <5
MW6
1/31/14
COMPOUND --
1,1-DCA 1.3
1,2-DCA <0.5
1,1-DCE 9.4
C-1,2-DCE 65
T-1,2-DCE 6.4
MC <10
1,1,1-TCA <1
1,1,2-TCA <1
TCTFA 1.3 J
1,2,3-TCP <0.005
BENZENE 0.3 J
TOLUENE 0.63 J
MW10
1/31/14
COMPOUND --
1,1-DCA 22
1,2-DCA <5
1,1-DCE 200
C-1,2-DCE 260
T-1,2-DCE 18
MC <100
1,1,1-TCA <10
1,1,2-TCA <10
TCTFA 100
1,2,3-TCP <0.025
BENZENE 2.1 J
TOLUENE <10
MW14
1/30/14
COMPOUND --
1,1-DCA 16
1,2-DCA <0.5
1,1-DCE 140
C-1,2-DCE 14
T-1,2-DCE <1
MC <10
1,1,1-TCA <1
1,1,2-TCA <1
TCTFA <10
1,2,3-TCP 0.0025 J
BENZENE 0.32 J
TOLUENE 0.67 J
MW11
1/30/14
COMPOUND --
1,1-DCA 2100
1,2-DCA 630
1,1-DCE 23000
C-1,2-DCE 7300
T-1,2-DCE <500
MC <5000
1,1,1-TCA <500
1,1,2-TCA 550
TCTFA 2400 J
1,2,3-TCP 3.7
BENZENE 140 J
TOLUENE 170 U
MW12
1/30/14
COMPOUND --
1,1-DCA 38
1,2-DCA <5
1,1-DCE 840
C-1,2-DCE 79
T-1,2-DCE <10
MC <100
1,1,1-TCA <10
1,1,2-TCA <10
TCTFA <100
1,2,3-TCP <0.025
BENZENE 3.9 J
TOLUENE <10
MW7
1/30/14
COMPOUND --
1,1-DCA <1
1,2-DCA <0.5
1,1-DCE <1
C-1,2-DCE <1
T-1,2-DCE <1
MC <10
1,1,1-TCA <1
1,1,2-TCA <1
TCTFA <10
1,2,3-TCP <0.005
BENZENE <0.5
TOLUENE 0.39 U
MW13
1/30/14
COMPOUND --
1,1-DCA 1200
1,2-DCA 490
1,1-DCE 14000
C-1,2-DCE 3900
T-1,2-DCE <500
MC <5000
1,1,1-TCA <500
1,1,2-TCA <500
TCTFA 1800 J
1,2,3-TCP 2.7
BENZENE <250
TOLUENE <500
MW15
1/31/14
COMPOUND --
1,1-DCA 1700
1,2-DCA 92
1,1-DCE 12000
C-1,2-DCE 9400
T-1,2-DCE 38 J
MC <1000
1,1,1-TCA 2700
1,1,2-TCA 250
TCTFA <1000
1,2,3-TCP 1.2
BENZENE 78
TOLUENE <100
MW8
1/30/14
COMPOUND --
1,1-DCA 57
1,2-DCA 27
1,1-DCE 340
C-1,2-DCE 310
T-1,2-DCE <10
MC <100
1,1,1-TCA <10
1,1,2-TCA 8.5 J
TCTFA <100
1,2,3-TCP 0.14
BENZENE 1.8 J
TOLUENE <10
MW16
1/31/14
COMPOUND --
1,1-DCA 19
1,2-DCA 0.69
1,1-DCE 11
C-1,2-DCE 42
T-1,2-DCE 1.6
MC <10
1,1,1-TCA 0.37 J
1,1,2-TCA 0.94 J
TCTFA <10
1,2,3-TCP <0.005
BENZENE <0.5
TOLUENE 0.38 J
MW17
1/30/14
COMPOUND --
1,1-DCA <1
1,2-DCA <0.5
1,1-DCE <1
C-1,2-DCE <1
T-1,2-DCE <1
MC <10
1,1,1-TCA <1
1,1,2-TCA <1
TCTFA <10
1,2,3-TCP <0.005
BENZENE <0.5
TOLUENE 0.25 U
MW1
MW2
MW3
MW5
MW6
MW7
MW8
MW9
MW10
MW11
MW12
MW13
MW14
MW15
MW16
MW17
UNION PACIFIC RAILROAD
CUPPLES/
MAJOR TRUCK LINES
SUBURBAN WATER SYSTEMS
WELL 410-W1
FORMER WESTERN CHEMICAL
CENTURY PAVING
INDUSTRY CIRCLE
LIVING
SPACES
BRISTOL-MYERS SQUIBB
ARTESIA BLVD
LEGEND
10000 X MCL/NL ≤ CONC.
1000X MCL/NL ≤ CONC. <10000 X MCL/NL
100 X MCL/NL ≤ CONC. <1000 X MCL/NL
10X MCL/NL ≤ CONC. <100 X MCL/NL
MCL/NL ≤ CONC. <10 X MCL/NL
MDL/NL ≤ CONC. <MCL/NL
CONC. <MDL
NA – NOT ANALYZED
MCL – MAXIMUM CONTAMINANT LEVEL
MCL/NL FOR: 1,1-DICHLOROETHANE (1,1-DCA) – 5 µg/L
1,2-DICHLOROETHANE (1,2-DCA) – 0.5 µg/L
1,1-DICHLROETHENE (1,1-DCE) – 6 µg/L
cis-1,2-DICHLROETHENE (C-1,2-DCE) – 6 µg/L
trans-1,2-DICHLROETHENE (C-1,2-DCE) – 10 µg/L
METHYLENE CHLORIDE (MC) – 5 µg/L
1,1,1-TRICHLOROETHANE (1,1,1-TCA) – 200 µg/L
1,1,2-TRICHLOROETHANE (1,1,1-TCA) – 5 µg/L
1,1,2-TRICHLORO 1,2,2 TRIFLUOROETHANE (TCTFA) – 1200 µg/L
1,2,3- TRICHLOROPROPANE (1,2,3-TCP) – 0.005 µg/L
BENZENE – 1 µg/L
TOLUENE – 150 µg/L
NOTE: ANALYTE LIST LIMITED TO THOSE COMPOUNDS EXCEEDING MCLS/NLS AT MORE THAN ONE LOCATION
VALUES REPORTED IN µg/L
MDL – METHOD DETECTION LIMIT
µg/L – MICROGRAMS PER LITER
NL – NOTIFICATION LEVEL
NORTH
0 100 200
SCALE: 1 inch = 200 feet
JPR TECHNICAL SERVICES, INC.
ADDITIONAL VOCS IN GROUNDWATER
FORMER WESTERN CHEMICAL FACILITY
14650 E. FIRESTONE BLVD.
LA MIRADA, CALIFORNIA
PROJECT #: JPR00-108
JAN2014
FIGURE 8
WESTCHEM
QMRFIGURE8.DWG

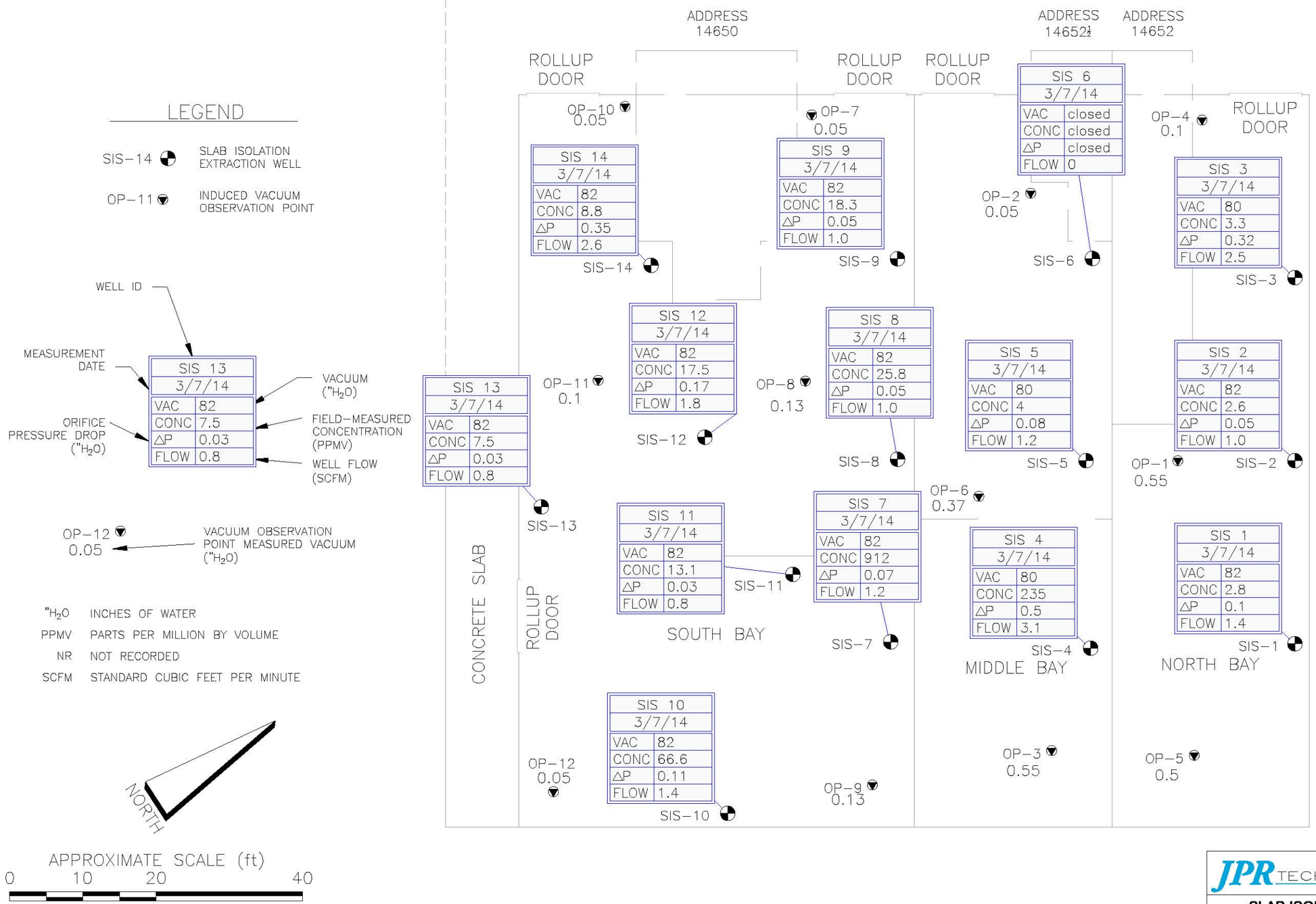


JPR TECHNICAL SERVICES, INC.

SLAB ISOLATION PERFORMANCE DATA
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA

PROJECT #: JPR00108	31JAN14	FIGURE 9

WESTERN-CHEMICAL QMRFIGURE8-10



JPR TECHNICAL SERVICES, INC.

SLAB ISOLATION PERFORMANCE DATA
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA

PROJECT #: JPR00108	7MAR14	FIGURE 10

WESTERN-CHEMICAL QMRFIGURE8-10

Figure 11
Estimated Total VOC Concentration Extracted by the Slab Isolation System
Former Western Chemical Facility
14650 E. Firestone Blvd., La Mirada, California

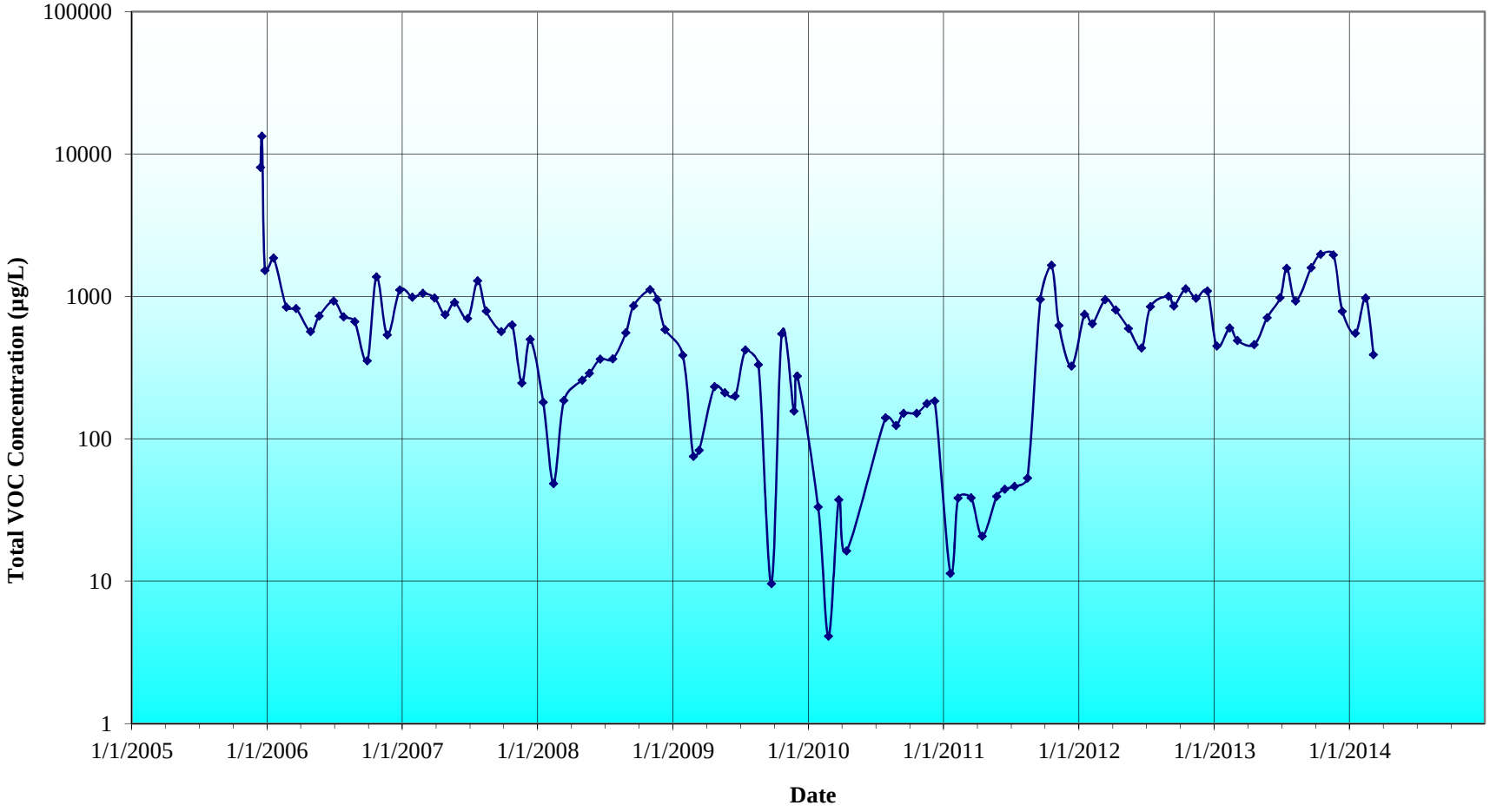
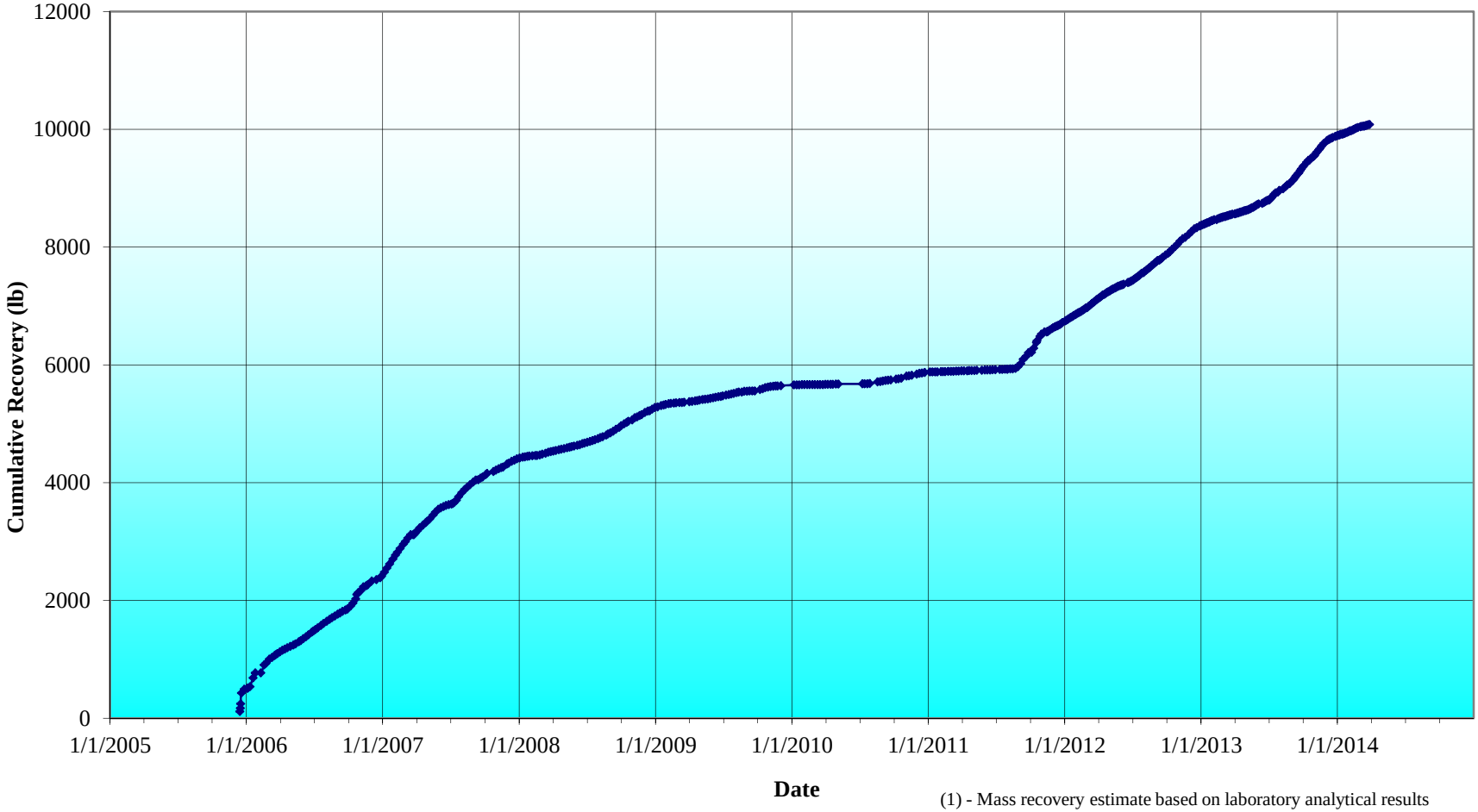
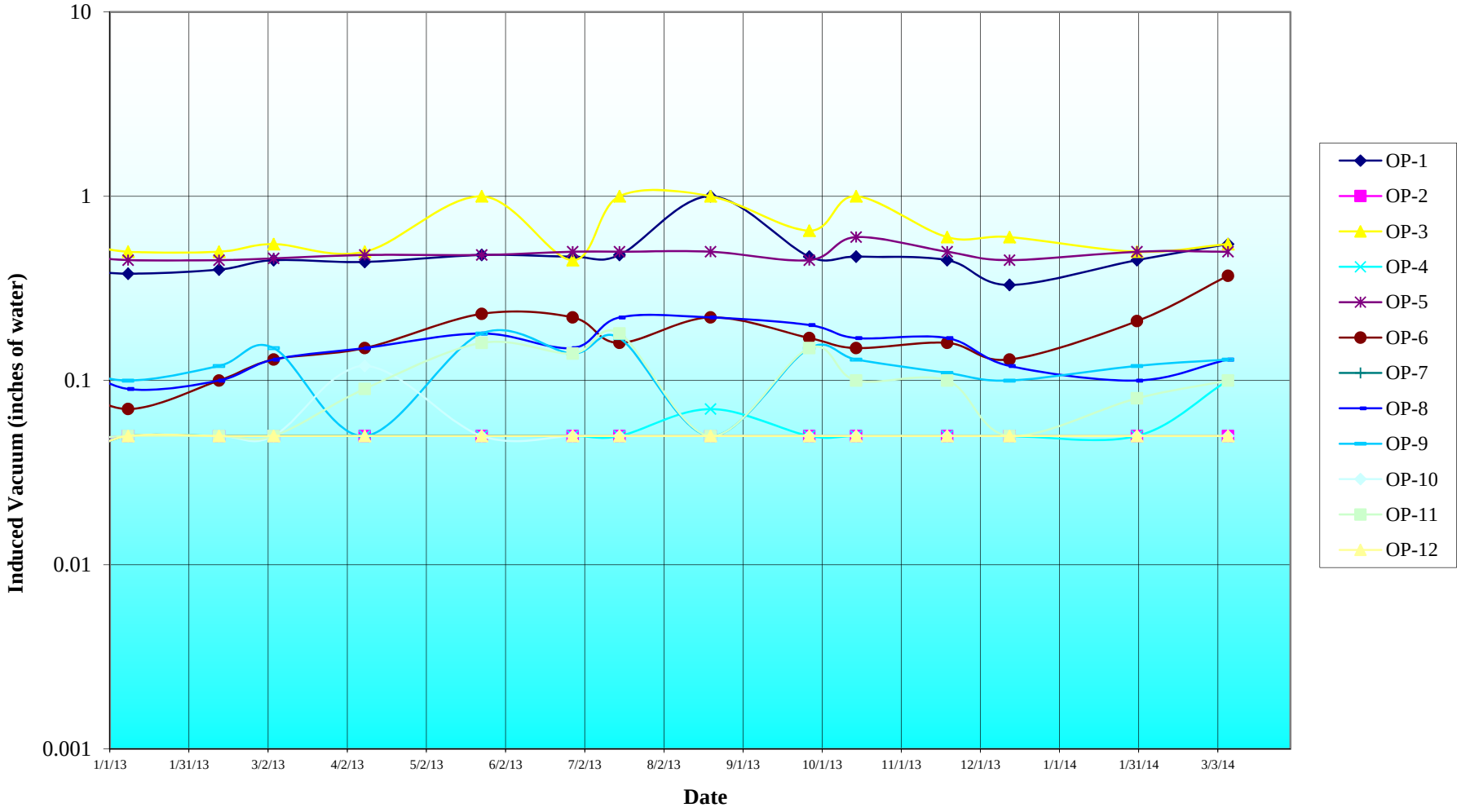


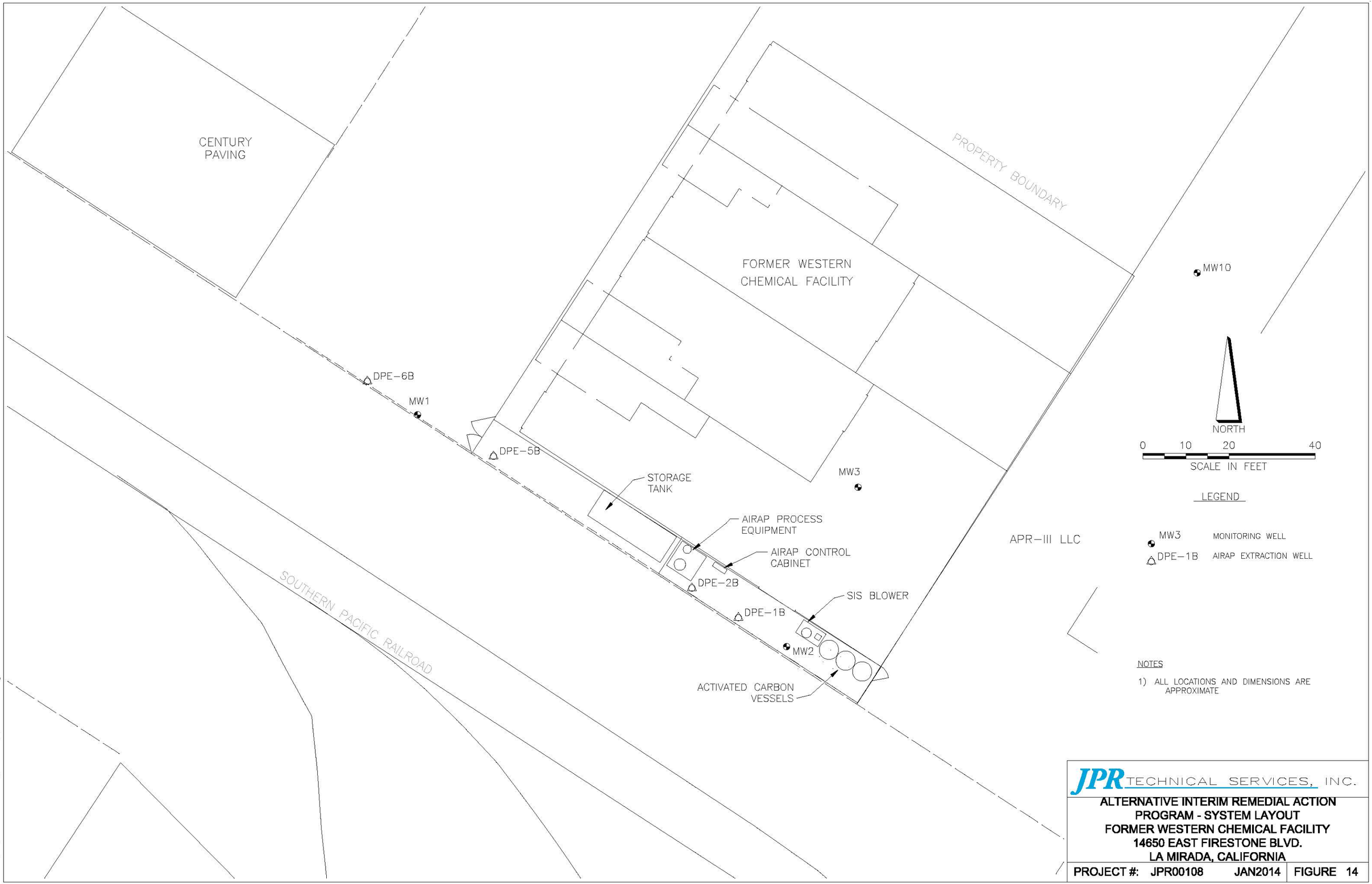
Figure 12
Cumulative VOC Mass Recovered by the Slab Isolation System (1)
Former Western Chemical Facility
14650 E. Firestone Blvd., La Mirada, California



(1) - Mass recovery estimate based on laboratory analytical results

Figure 13
Slab Isolation System - Observation Point Monitoring Data
Former Western Chemical Facility
14650 E. Firestone Blvd., La Mirada, California





JPR TECHNICAL SERVICES, INC.

ALTERNATIVE INTERIM REMEDIAL ACTION PROGRAM - SYSTEM LAYOUT
FORMER WESTERN CHEMICAL FACILITY
14650 EAST FIRESTONE BLVD.
LA MIRADA, CALIFORNIA

PROJECT #: JPR00108	JAN2014	FIGURE 14

WESTCHEM QMRFIGURE15.dwg

Site Investigation Report
Parcel 77605

Carlin Environmental Consulting, Inc.
Assessment◆Remediation◆Mitigation Design
2269 S. Ritchey Street
Santa Ana, CA 92705
(714) 508-1111

March 15, 2012

Department of Toxic Substance Control
Tiered Permitting and Corrective Action Branch
5796 Corporate Avenue, Cypress, CA 90630
(714) 484-5385

Attention: Irena Edwards – Hazardous Substances Scientist

Prepared for: Freeway Firestone, LLC and Interstate 5 Firestone, LLC.

EPA ID # CAD118574854

Subject: Response Report to DTSC Comments Dated January 10, 2012, for the Former Hayes-Lemmerz Facility Located at 14500 Firestone Boulevard, La Mirada, CA 90638.

Included is an electronically transferred PDF copy that includes Carlin Environmental Consulting, Inc.'s Response Comments to DTSC's letter dated January 10, 2012 regarding the Subject site.

The report includes
1-Report Text
2-Four-Figures
3-DTSC review letter

If you need a hard copy of the report or have any questions or comments feel free to contact Gary Carlin at any time at (714) 508-1111.

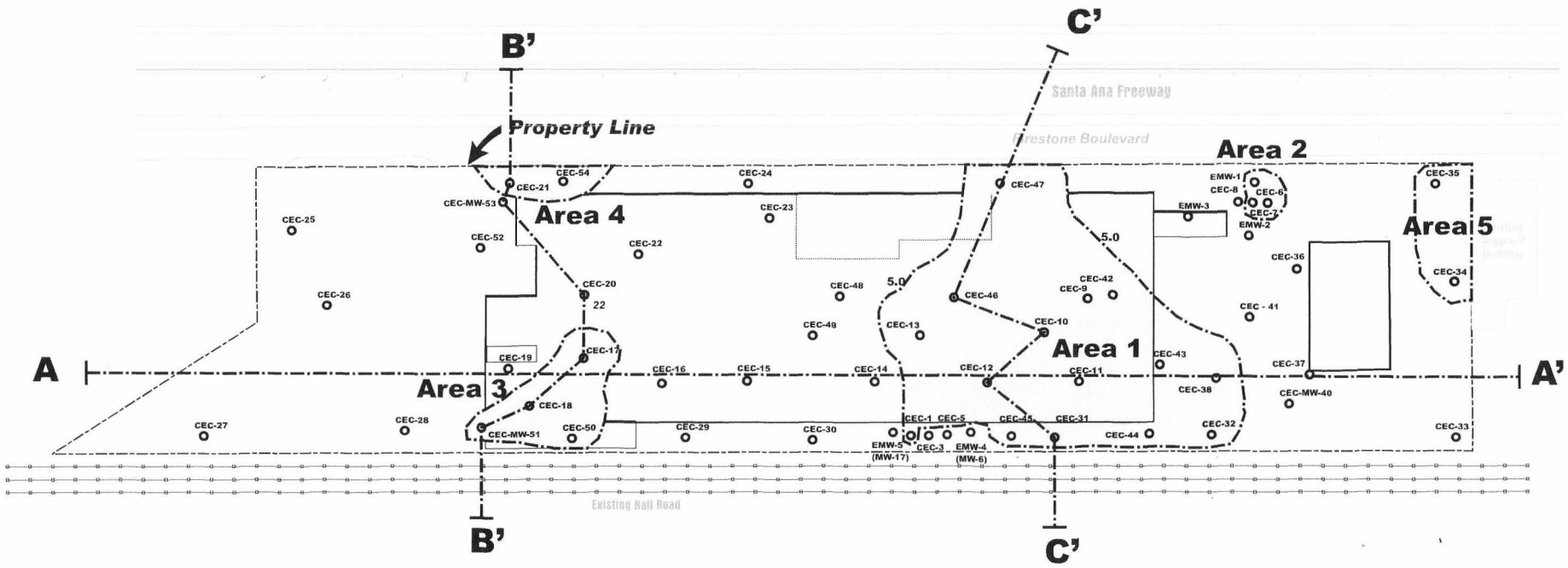
CEC is in the process of preparing an RAP which will include recommendations for a pilot test program. We are also conducting some limited soil sampling for Geokinetics preparation of an indoor air quality evaluation report.

Very truly yours,

Carlin Environmental Consulting, Inc.

Don Terres

Professional Geologist – P.G. #4349



Note: Site Plan by Carlin Environmental Consulting, Inc.,

Figure 1

Carlin Environmental Consulting, Inc. Assessment Remediation Mitigation Design	**Five Areas of Concern Limits of VOC's in Groundwater, Soil and Soil-gas Samples**
Project Name: Dunkel Brothers	
Date: **March 2012**	

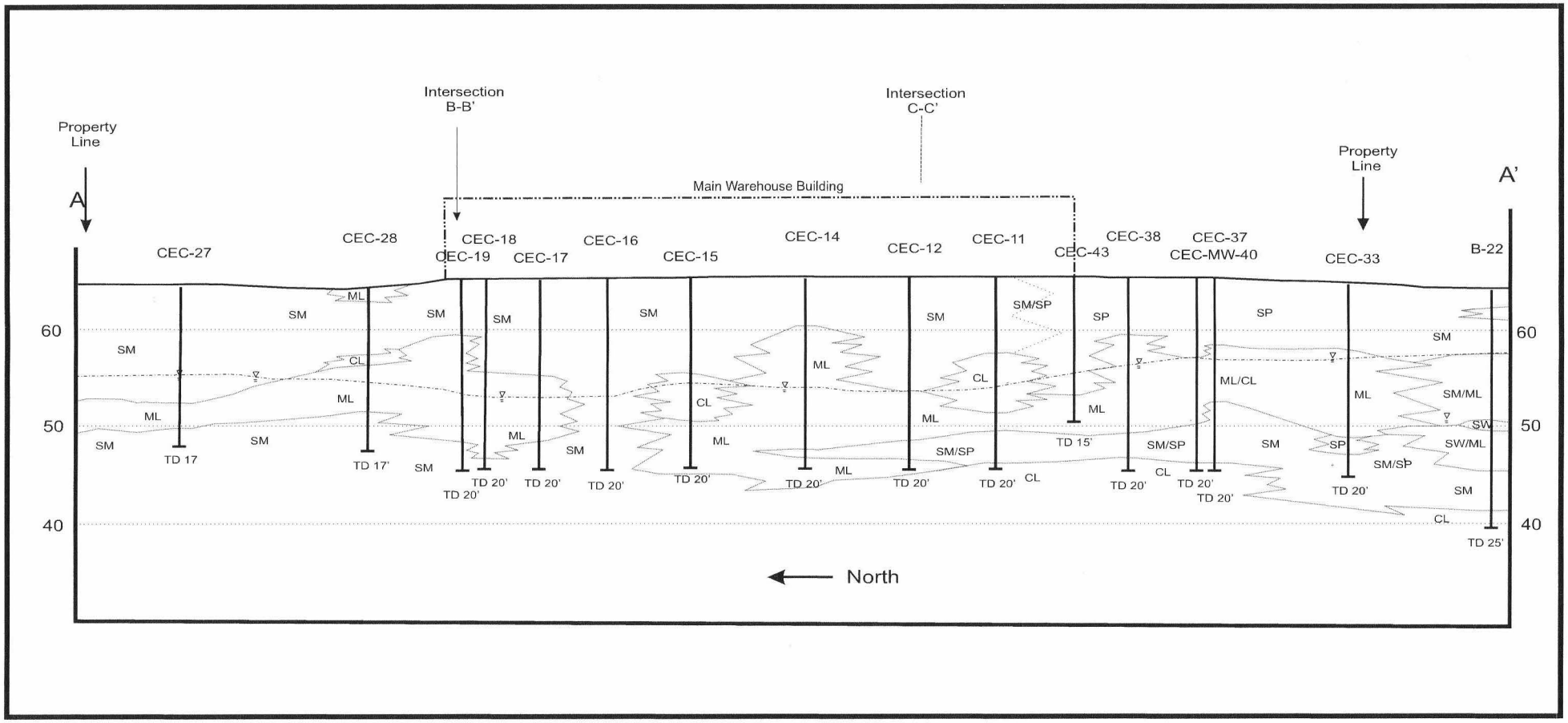
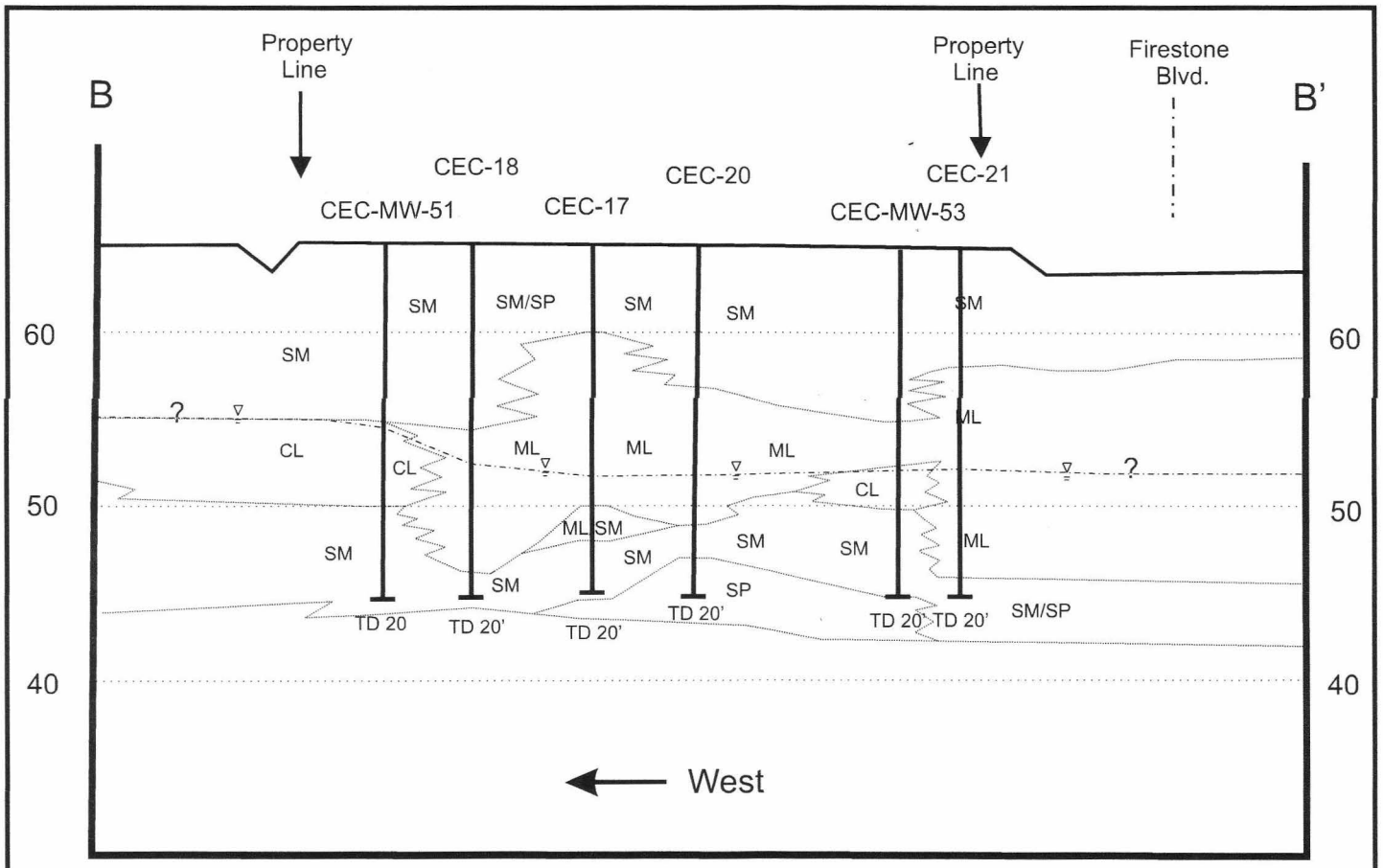

Property Line
A
Intersection B-B'
Intersection C-C'
Main Warehouse Building
Property Line
A'
CEC-27
CEC-28
CEC-18
CEC-19
CEC-17
CEC-16
CEC-15
CEC-14
CEC-12
CEC-11
CEC-43
CEC-38
CEC-37
CEC-MW-40
CEC-33
B-22
60
50
40
SM
ML
CL
SM/SP
SP
ML/CL
SM/ML
SW
SW/ML
TD 17
TD 17'
TD 20'
TD 15'
TD 25'
North

Figure 2


B
B'
Property Line
Property Line
Firestone Blvd.
CEC-18
CEC-20
CEC-21
CEC-MW-51
CEC-17
CEC-MW-53
60
50
40
SM
SM/SP
SM
SM
SM
SM
CL
CL
ML
ML
ML
ML
CL
ML SM
SM
SM
SM
SM
SP
ML
SM/SP
TD 20
TD 20'
TD 20'
TD 20'
TD 20'
TD 20'
West

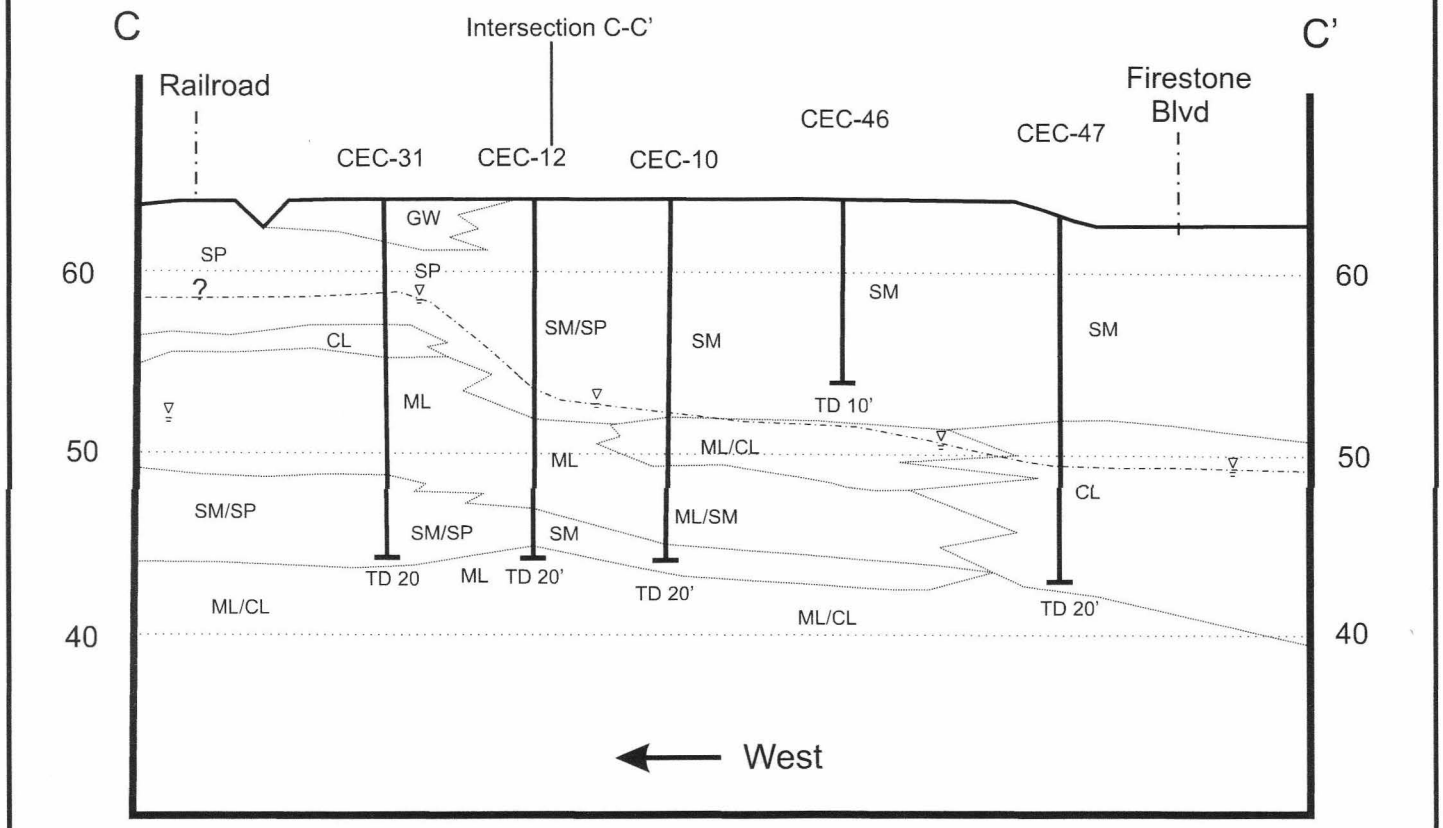
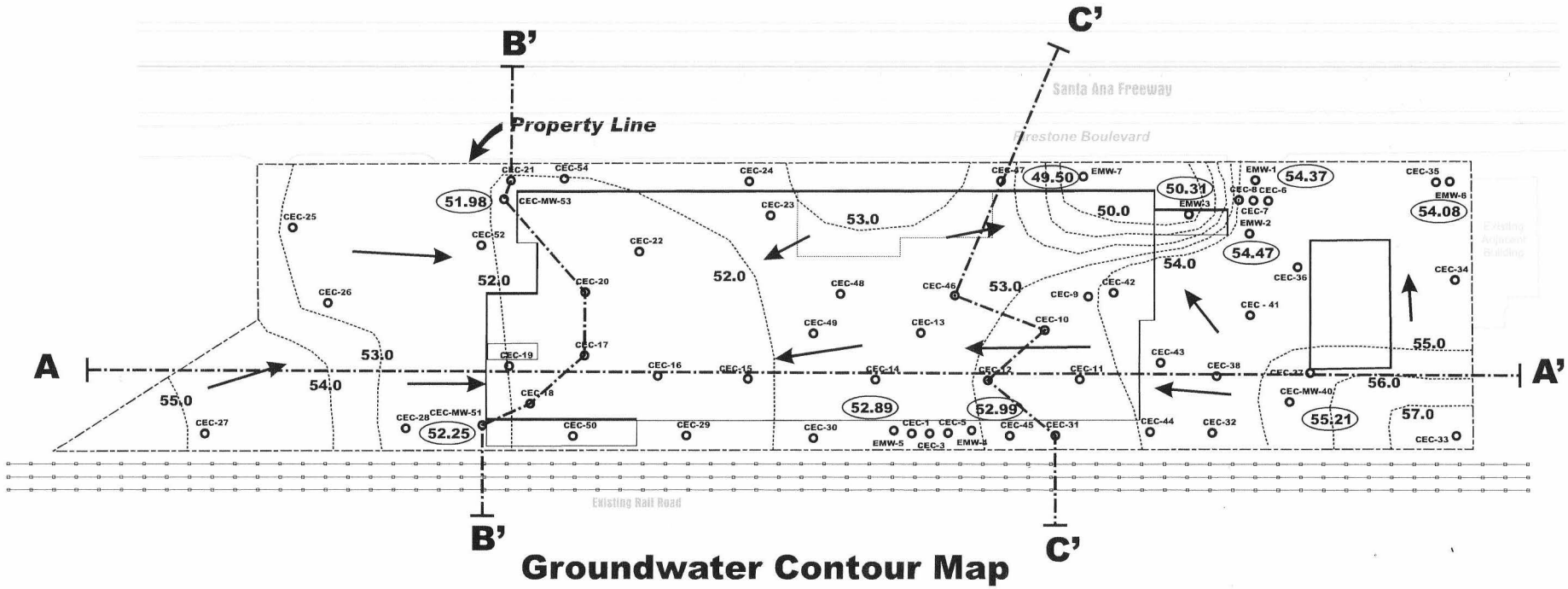

C
C'
Railroad
Intersection C-C'
Firestone Blvd
CEC-31
CEC-12
CEC-10
CEC-46
CEC-47
60
50
40
GW
SP
SP
SM
SM/SP
SM
SM
CL
ML
TD 10'
ML
ML/CL
CL
SM/SP
ML/SM
SM/SP
SM
TD 20
ML
TD 20'
TD 20'
TD 20'
ML/CL
ML/CL
West

Figure 3



Groundwater Contour Map

Arrows Show direction of Groundwater Movement

52.0 Groundwater Contour with elevation in feet

52.25 Groundwater Elevation in feet from Monitoring Well

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

Figure 4

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design

Project Name: Dunkel Brothers

Date: **March 2012**

Boring and Monitoring Well Location Map with Groundwater contours

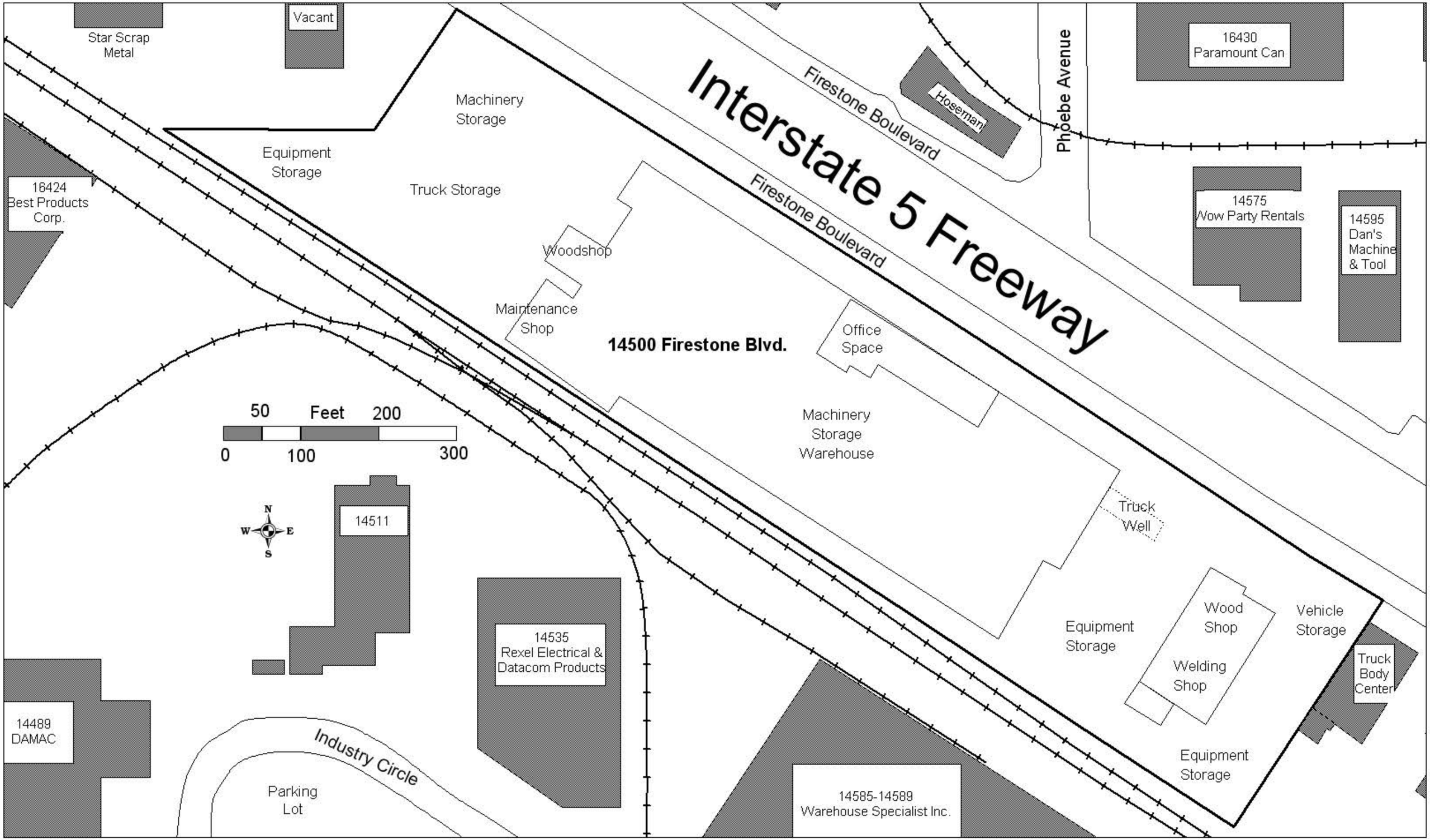


Figure 3. Current Site Operations and Surrounding Sites

Legend

Site Boundary

Railroad Track

Carlin Environmental Consulting, Inc.
January 27, 2010
CEC-1738

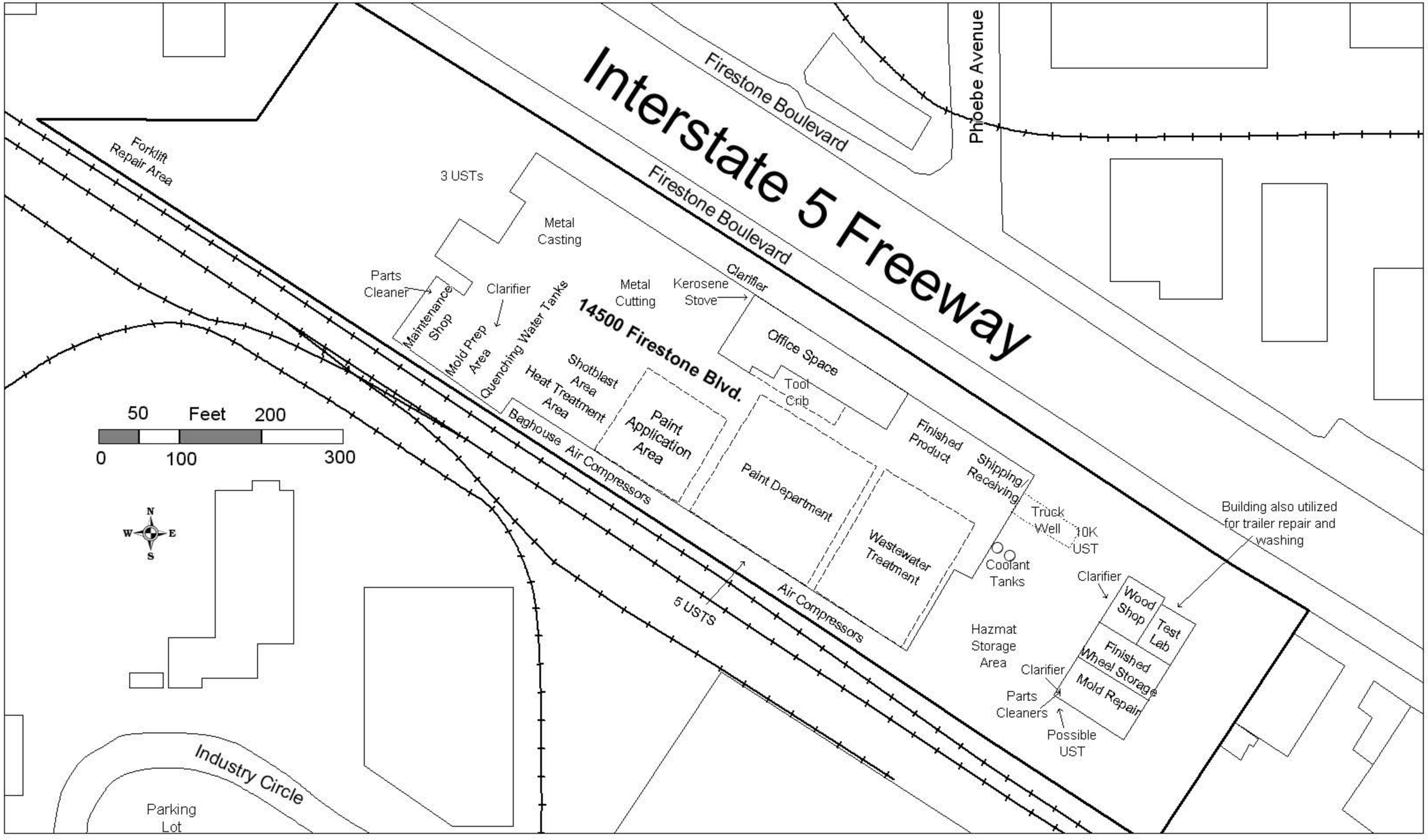
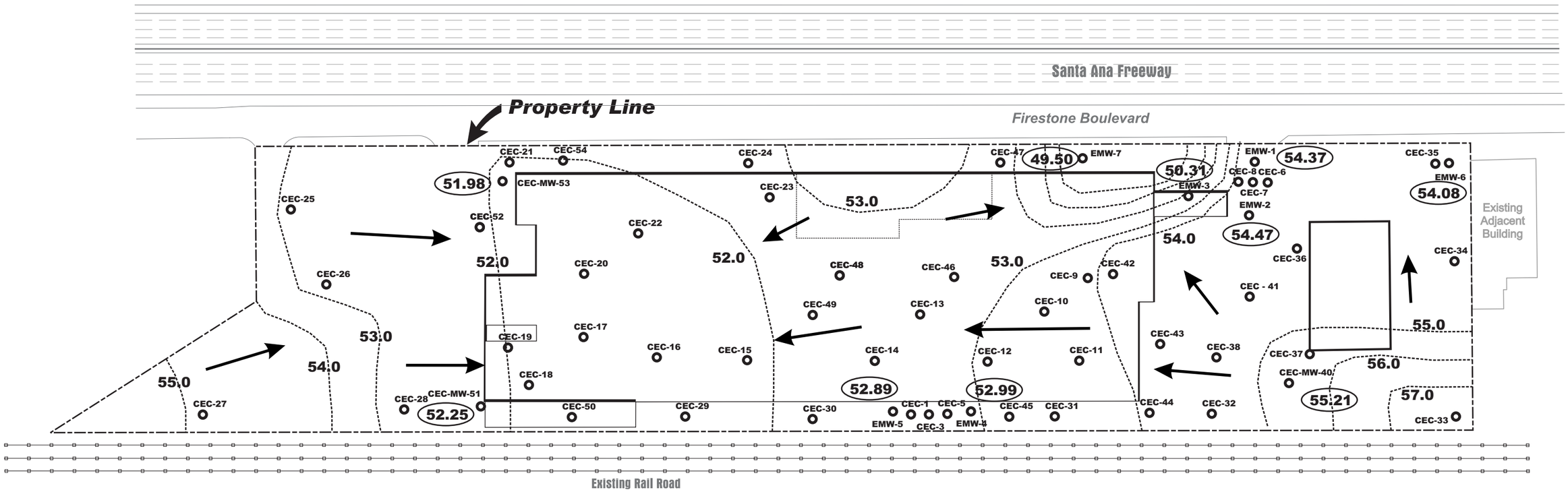


Figure 4. Former Site Operations

Carlin Environmental Consulting, Inc.
January 27, 2010
CEC-1738



Groundwater Contour Map

Arrows Show direction of Groundwater Movement

52.0 — Groundwater Contour with elevation in feet

52.25 — Groundwater Elevation in feet from Monitoring Well

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

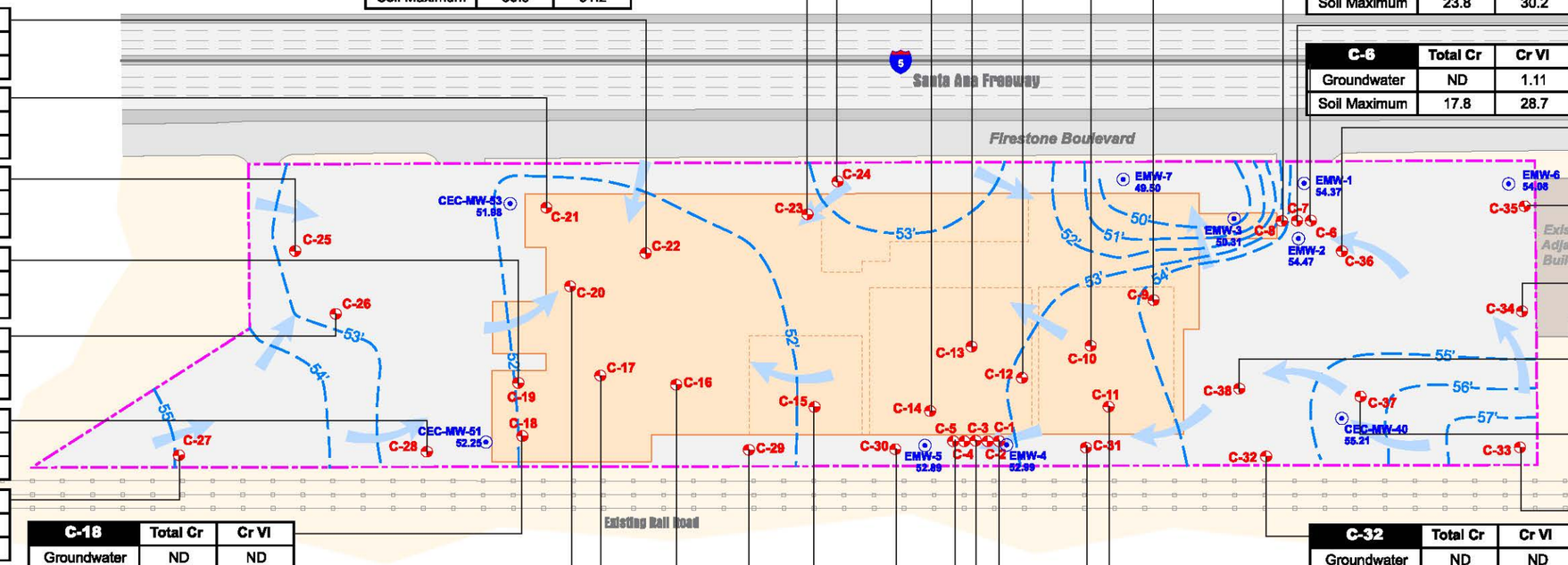
Figure 6

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Boring and Monitoring Well Location Map with Groundwater contours



C-13	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	16.7	39

C-14	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	34.5	36

C-24	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	27.7	34.6

C-23	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	30.9	31.2

C-22	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	32.2	53.8

C-21	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	21.8	34.6

C-25	Total Cr	Cr VI
Groundwater	ND	0.626
Soil Maximum	25.5	26.7

C-19	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	27.5	26.7

C-26	Total Cr	Cr VI
Groundwater	ND	0.673
Soil Maximum	31.5	20.8

C-28	Total Cr	Cr VI
Groundwater	ND	0.761
Soil Maximum	38.3	18.8

C-27	Total Cr	Cr VI
Groundwater	ND	0.703
Soil Maximum	35.9	18.8

C-20	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	21.2	22.2

C-18	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	19.2	21

C-17	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	21.6	28.5

C-29	Total Cr	Cr VI
Groundwater	ND	0.751
Soil Maximum	16	37.6

C-16	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	20.9	78.3

C-15	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	39.7	68.6

C-30	Total Cr	Cr VI
Groundwater	ND	0.789
Soil Maximum	37.2	46.1

C-1	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	24.5	34.3

C-3	Total Cr	Cr VI
Groundwater	ND	0.742
Soil Maximum	35.5	280

C-5	Total Cr	Cr VI
Groundwater	ND	0.728
Soil Maximum	28.1	23.4

C-31	Total Cr	Cr VI
Groundwater	45	
Soil Maximum	16.1	77.7

C-32	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	19.4	31.7

C-10	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	31.4	32.7

C-8	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	23.8	30.2

C-6	Total Cr	Cr VI
Groundwater	ND	1.11
Soil Maximum	17.8	28.7

C-12	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	33.4	34.1

C-9	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	24.5	34.3

C-7	Total Cr	Cr VI
Groundwater	ND	1.08
Soil Maximum	24.7	24

C-36	Total Cr	Cr VI
Groundwater	17	ND
Soil Maximum	22.1	33.1

C-35	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	18.7	19.2

C-34	Total Cr	Cr VI
Groundwater	ND	
Soil Maximum	20.5	20.9

C-38	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	32.9	135

C-37	Total Cr	Cr VI
Groundwater	ND	0.68
Soil Maximum	26.7	18.3

C-33	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	26.4	369

C-11	Total Cr	Cr VI
Groundwater	ND	ND
Soil Maximum	30.9	55.4

N

0 150 300 Feet

Approximate Scale

LEGEND

-57- Estimated Perched Groundwater Elevation Contour in Feet from Borings

Inferred Direction of Groundwater Flow

C-37 Boring by Carlin Evironmental Consulting Inc.

EMW-5 52.89 Monitoring Well with Groundwater Elevation in Feet

Property Line

C-27	Total Cr	Cr VI
Groundwater	ND	0.703
Soil Maximum	35.9	18.8

Well Designation

Chromium VI Levels Measured in µg/kg

Total Chromium Levels Measured in mg/kg (ND = Not Detected)

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

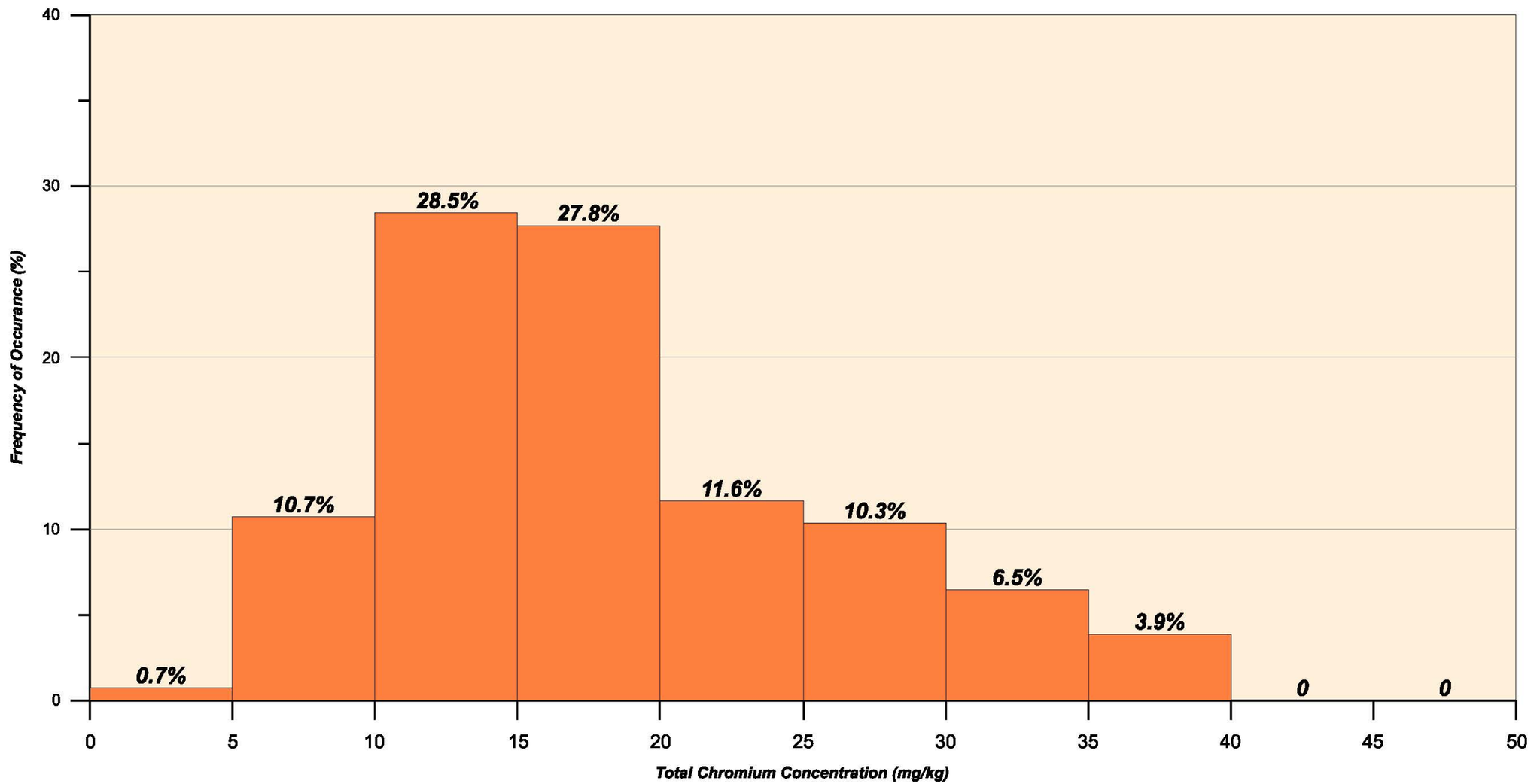
Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: November 2011

Measured Chromium Levels in Soil and Groundwater

Figure 4



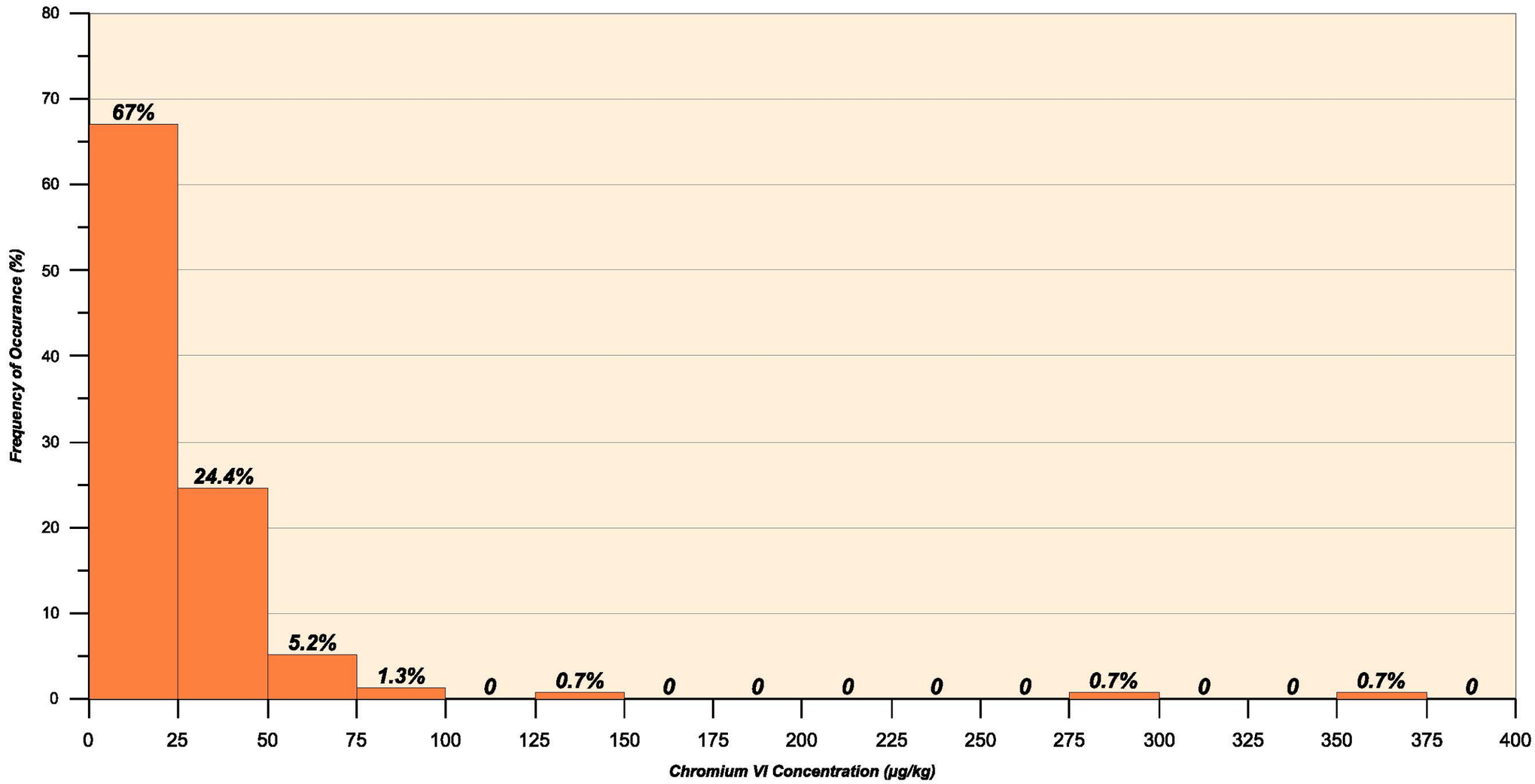
Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: November 2011

Testing Results for Total Chromium in Soil

Figure 7

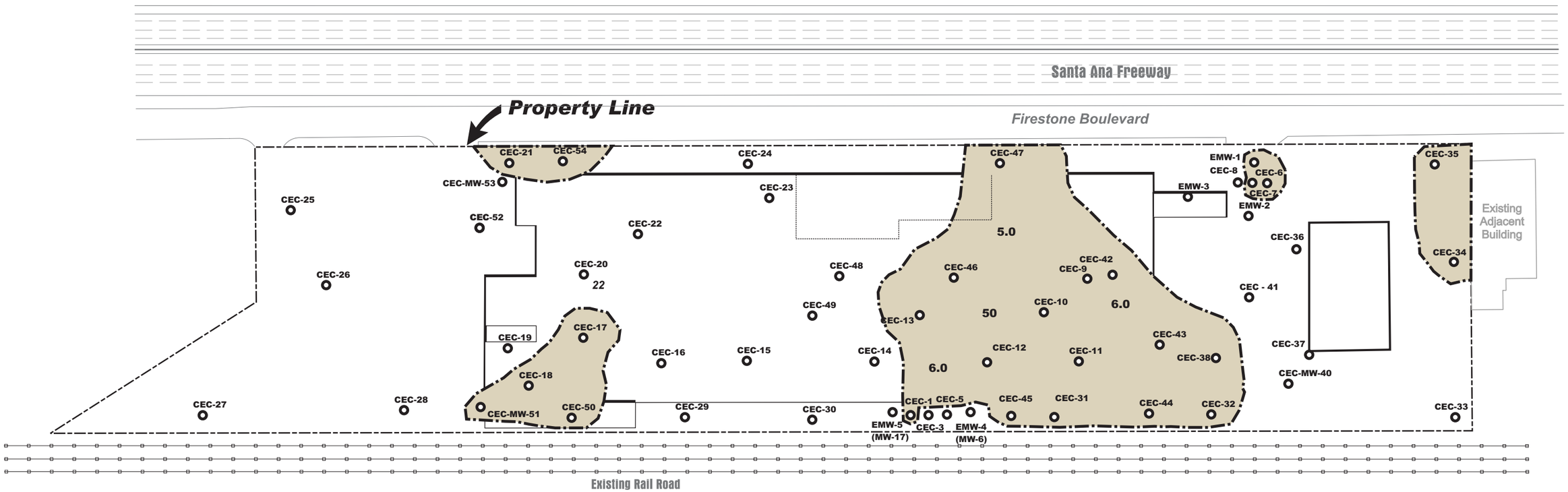


Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers
Date: November 2011

Testing Results for Chromium VI in Soil

Figure 8



Approximate Limit of Regulatory Maximum (MCL) For All VOC's
(Benzene Excluded)

N

0 120 240 Feet

Approximate Scale

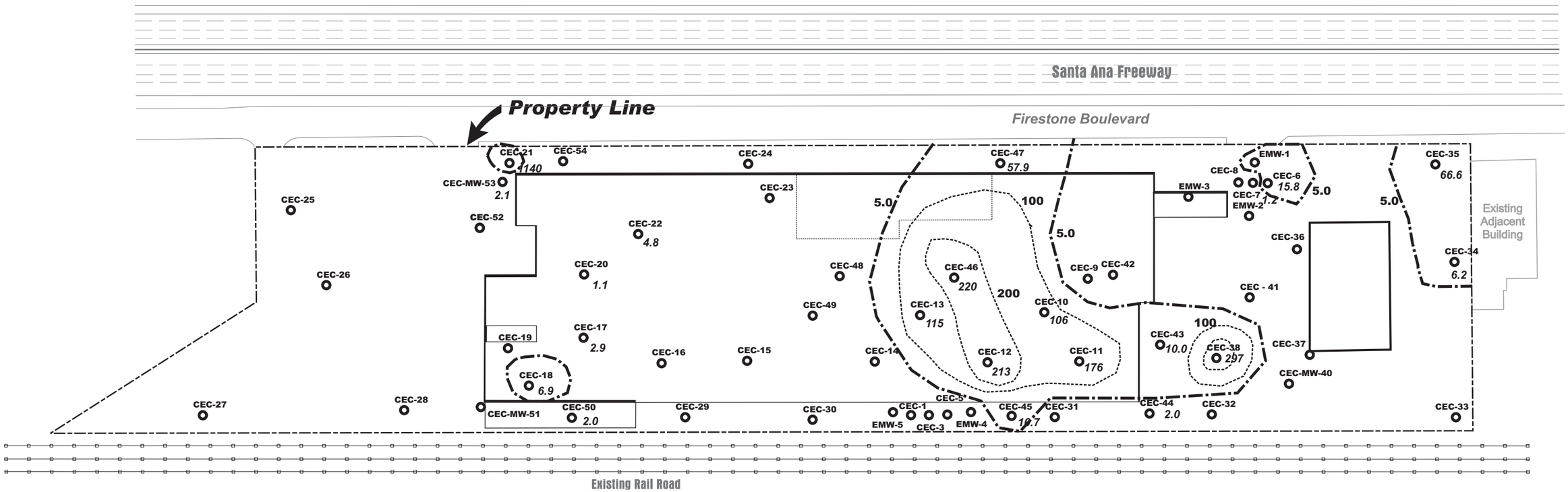
Note: Site Plan by Carlin Environmental Consulting, Inc.,

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **October 2011**

Limits of VOC's in Groundwater, Soil and Vapor Samples



176 Laboraotry Test Result in PPB

100 TCE Contour in PPB

5.0 TCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

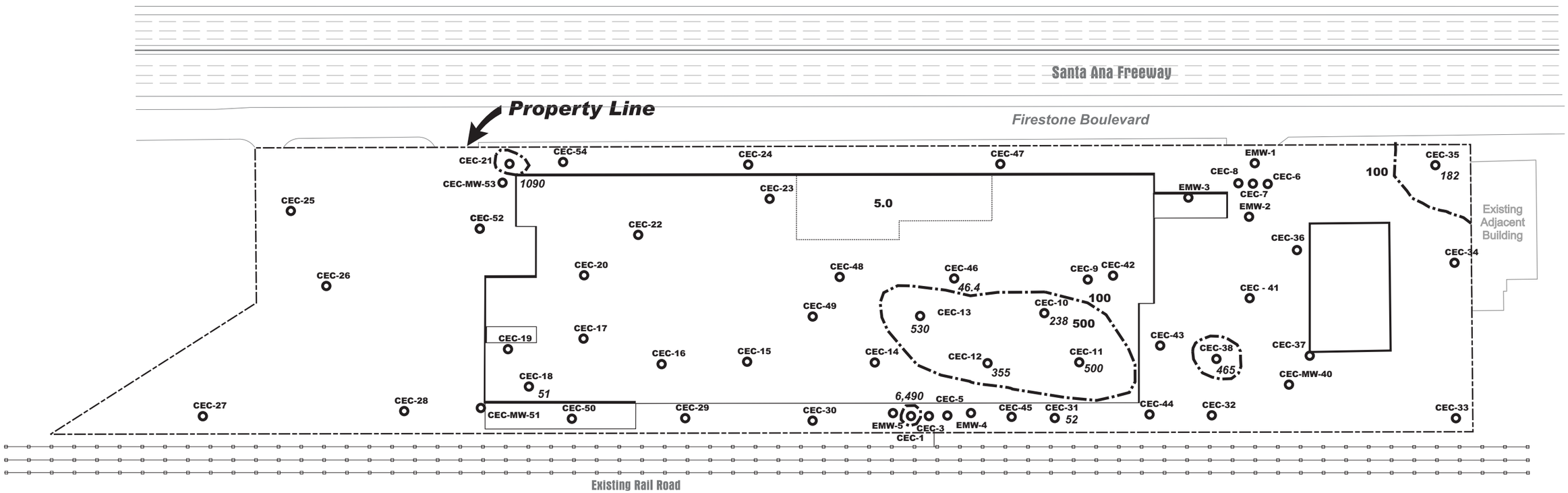
Figure GW-2

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: November 2011

Contour Map of Groundwater Testing results for TCE



176 Laboraotry Test Result in PPB

100 TPH Contour in PPB

100 TPH Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

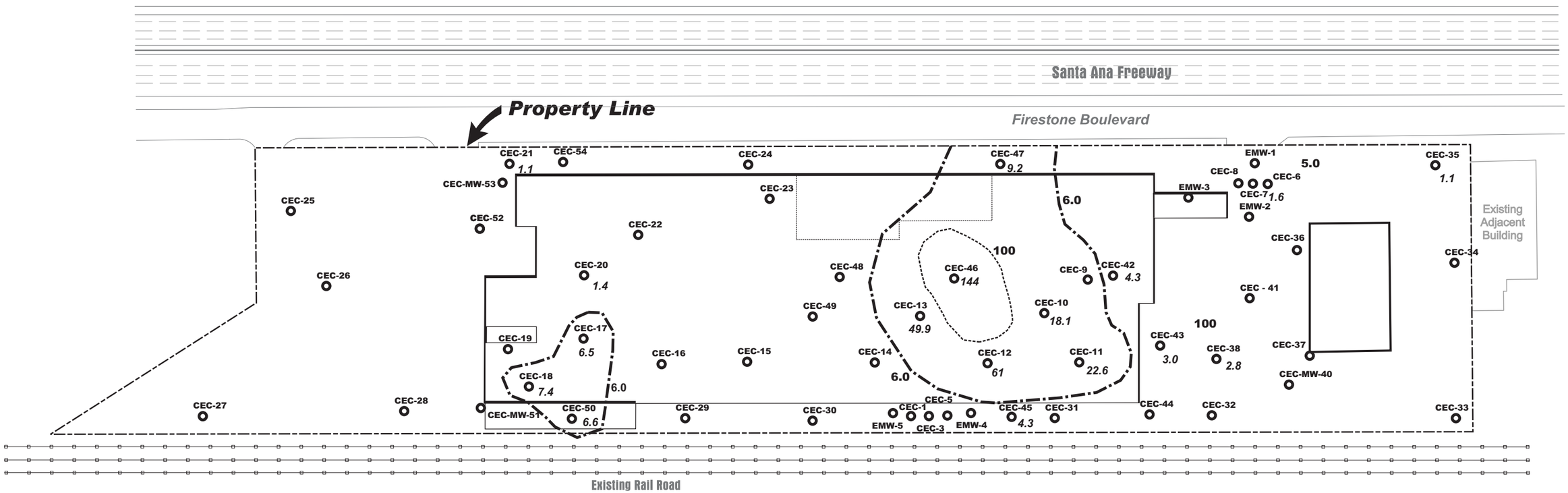
Figure GW-3

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: November 2011

Contour Map of Groundwater Testing results for TPH



176 Laboraotry Test Result in PPB

100 1,1-DCE Contour in PPB

6.0 1,1-DCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

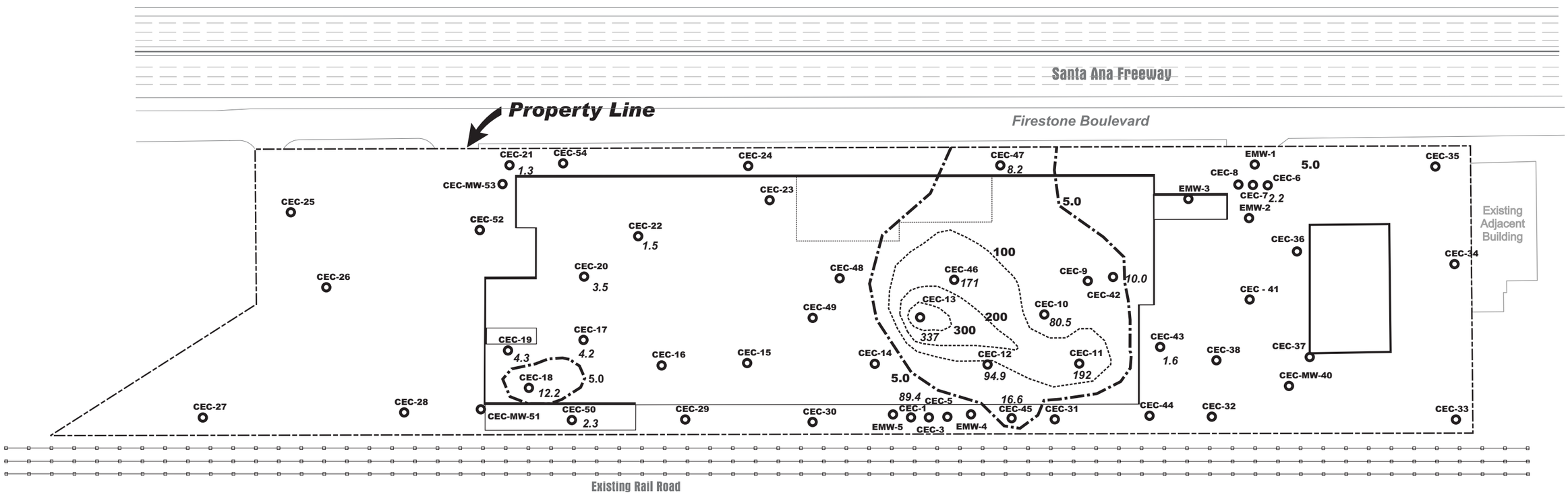
Figure GW-4

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Groundwater Testing results for 1,1 - Dichloroethene



176 Laboraotry Test Result in PPB

100 1,1-DCA Contour in PPB

5.0 1,1-DCA Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

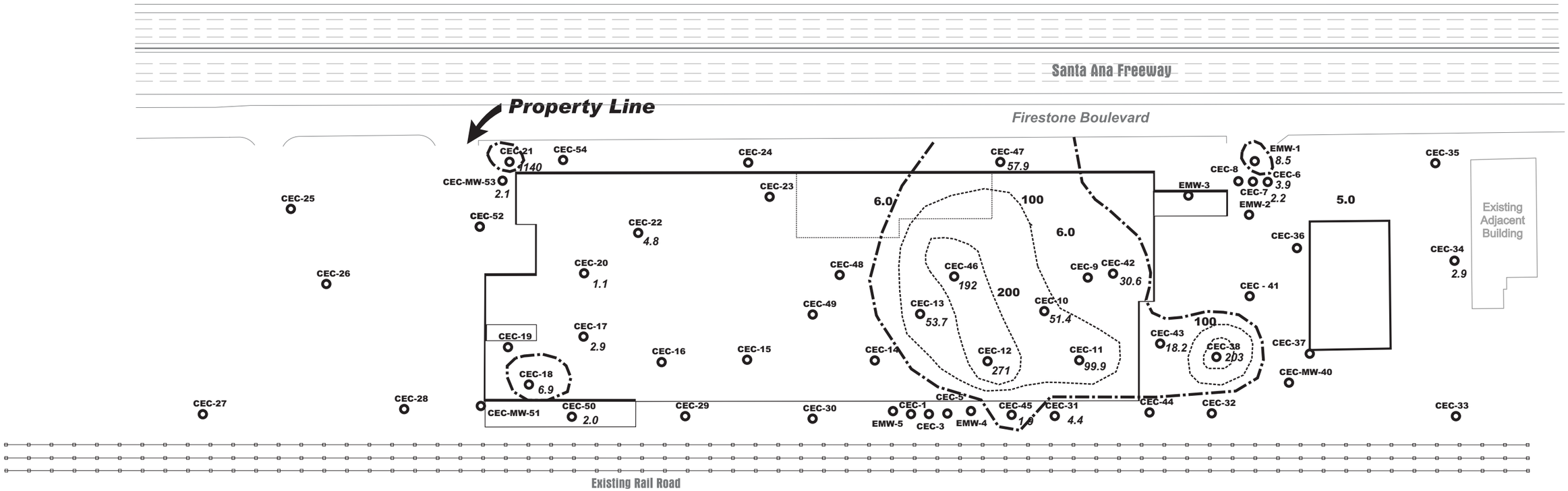
Figure GW-5

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Groundwater Testing results for 1,1 - Dichloroethane



176 Laboraotry Test Result in PPB

100 Test Result contour in PPB

6.0 Laboratory regulatory maximum (MCL)

N

0 120 240 Feet

Approximate Scale

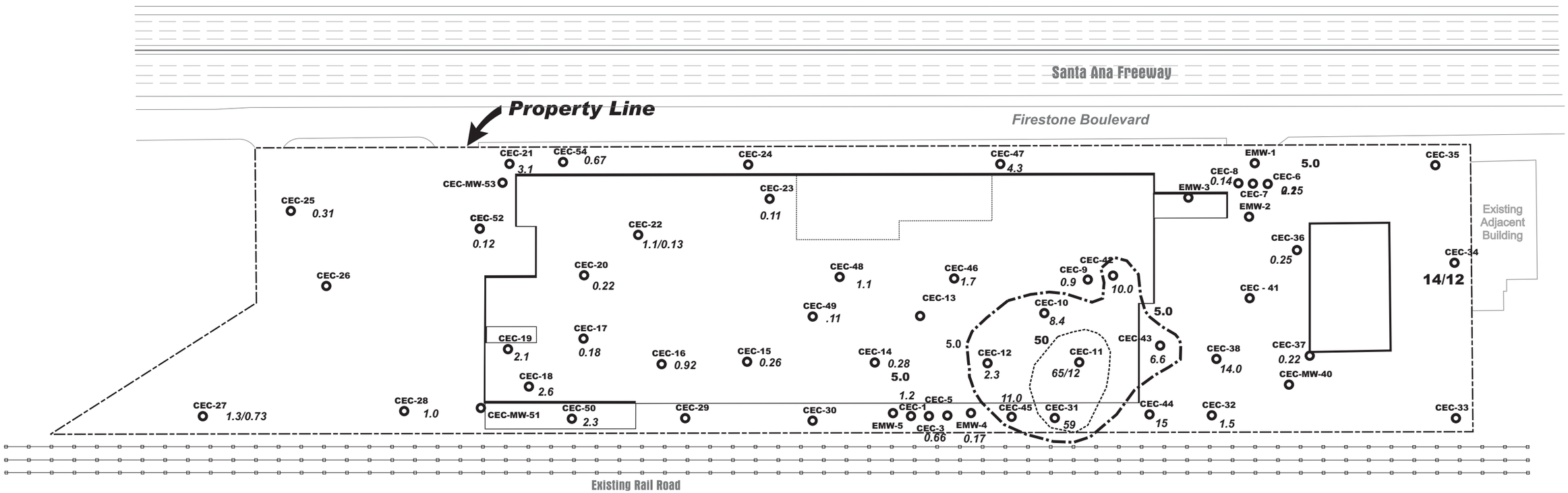
Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings in Water, Sheet 2 of 2

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: June 2011

Contour Map of Groundwater
Testing results for
cis- 1, 2 - DCE



176 Laboraotry Test Result in PPB

100 PCE Contour in PPB

5.0 PCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings

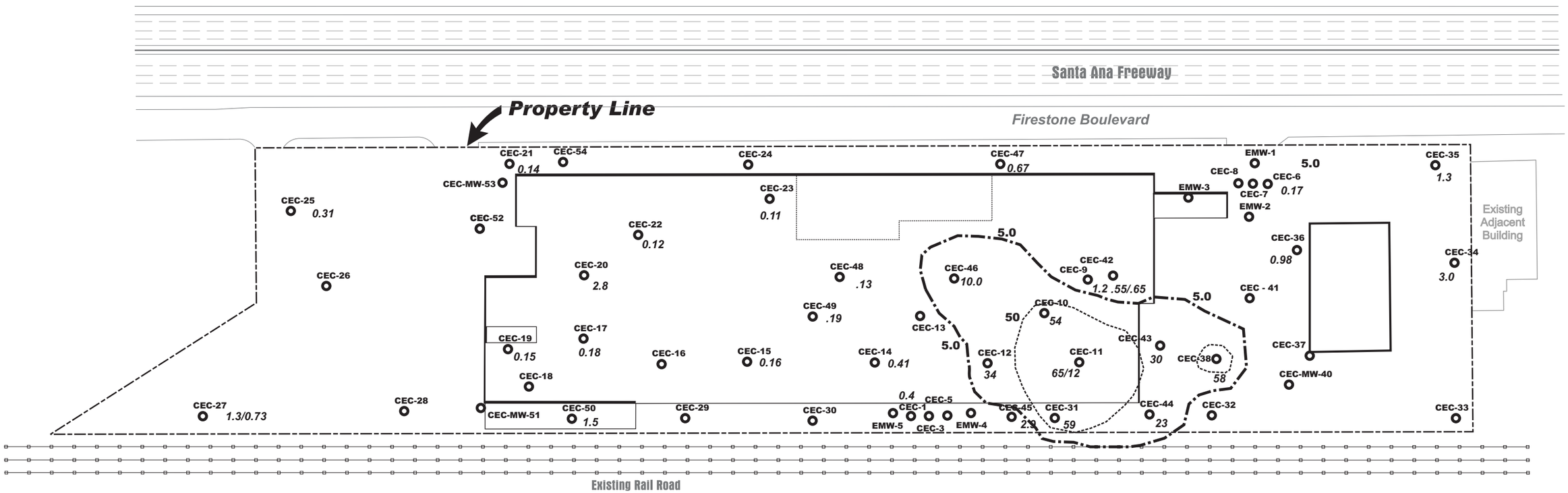
Figure SG-1

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Soil/Gas Testing results for Tetrachloroethene



176 Laboraotry Test Result in PPB

50 TCE Contour in PPB

5.0 TCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings

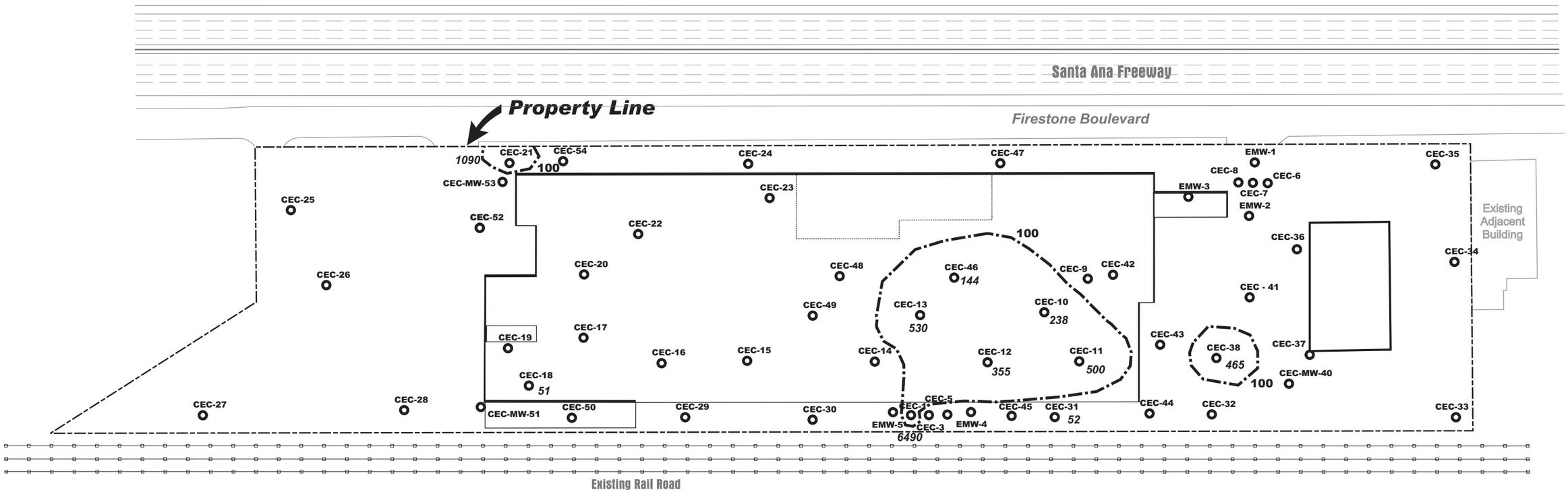
Figure SG-2

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Soil/Gas Testing results for Trichloroethene



176 Laboraotry Test Result in PPB

100 TPH Gas Contour in PPB

6.0 TPH Gas Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings

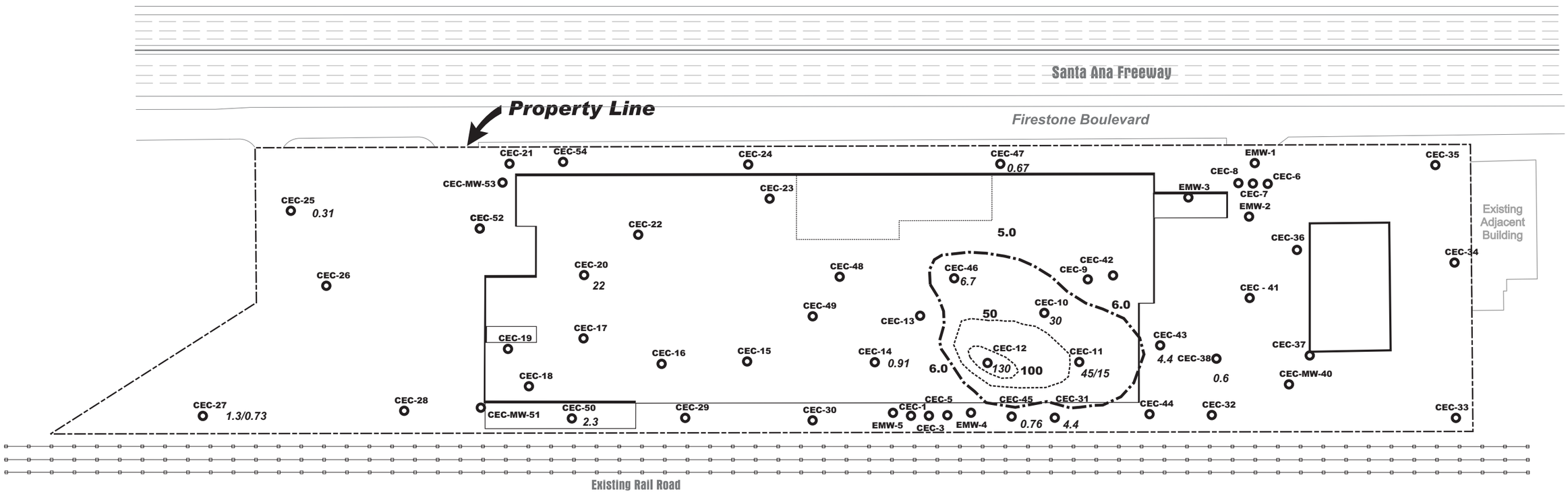
Figure SG-3

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Groundwater Testing results for TPH - Gas



176 Laboraotry Test Result in PPB

50 1,1 DCE Contour in PPB

6.0 1,1 DCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings

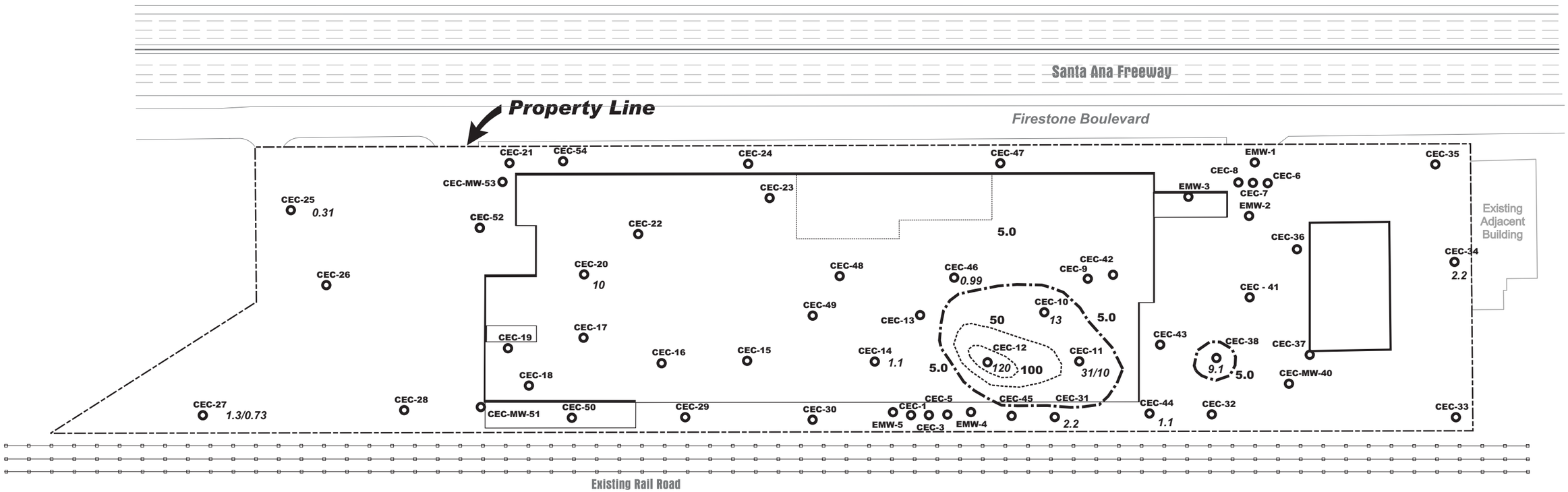
Figure SG-4

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Soil/Gas Testing results for 1,1 Dichloroethene



176 Laboraotry Test Result in PPB

50 cis-1,2 DCE Contour in PPB

5.0 cis-1,2 DCE Contour Regulatory Maximum (MCL)

N

0 120 240 Feet

Approximate Scale

Note: Site Plan by Carlin Environmental Consulting, Inc., Laboratory Findings

Figure SG-5

Carlin Environmental Consulting, Inc.
Assessment Remediation Mitigation Design
2269 S. Ritchey Street Santa Ana, California 92780 Phone: 714.508.1111

Project Name: Dunkel Brothers

Date: **November 2011**

Contour Map of Soil/Gas Testing results for cis-1,2 Dichloroethene

Table 1 - Summary of Primary Chromium Remedial Goals and Action Levels

Media	Compound	Parameter	Agency	Value
Soil	Total Chromium	Residential PRG	USEPA	280 mg/kg
		Industrial PRG	USEPA	1,400 mg/kg
	Chromium III	Residential PRG	OEHHA	100,000 mg/kg
			USEPA	125,000 mg/kg
		Industrial PRG	OEHHA	100,000 mg/kg
			USEPA	1.5×10^6 mg/kg
		Groundwater Protection	USEPA	9.9×10^7 mg/kg
	Chromium IV	Residential PRG	OEHHA	17 mg/kg
			USEPA	39 mg/kg
		Industrial PRG	OEHHA	37 mg/kg
			USEPA	200 mg/kg
		Groundwater Protection	USEPA	2.1 mg/kg
Groundwater	Chromium III	Drinking Water MCL	USEPA	100 μg/L
		Drinking Water MCL	OEHHA	50 μg/L
	Chromium VI	Drinking Water MCL	-	None

Table 2 - Summary of Testing Results for Chromium

Sample Location	Groundwater		Soil		
	Total Chromium (µg/L)	Chromium VI (µg/L)	Depth (ft)	Total Chromium (mg/kg)	Chromium VI (µg/kg)
CEC-1	ND	–	2	18.7	34.3
			5	16.0	31.9
			10	20.6	25.8
			15	24.5	22.1
CEC-3	ND	0.742	2	18.9	55.0
			5	35.5	280.0
			10	16.2	39.9
			15	9.2	69.4
CEC-5	ND	0.728	2	20.7	23.4
			5	14.8	15.0
			10	28.1	22.6
			15	26.6	15.0
			17	11.2	18.1
CEC-6	ND	1.11	2	14.3	ND
			5	17.8	ND
			10	9.7	19.1
			15	9.5	28.7
CEC-7	ND	1.08	2	12.8	ND
			5	24.7	ND
			10	18.0	24.0
			15	5.2	10.9
CEC-8	ND	–	2	14.8	ND
			5	23.8	ND
			10	15.5	30.2
			15	10.2	20.9
CEC-9	-	ND	2	10.9	11.7
CEC-10	ND	ND	2	10.3	ND
			5	11.4	ND
			15	31.4	32.7
			20	29.4	21.2
CEC-11	ND	ND	2	13.0	13.0
			5	10.1	12.9
			10	30.9	55.4
			15	22.5	46.5
			20	27.2	22.8
CEC-12	ND	-	2	11.4	ND
			5	17.6	ND
			10	33.4	34.1
			15	14.6	30.6
			20	27.1	15.1

Table 2 - Summary of Testing Results for Chromium

Sample Location	Groundwater		Soil		
	Total Chromium (µg/L)	Chromium VI (µg/L)	Depth (ft)	Total Chromium (mg/kg)	Chromium VI (µg/kg)
CEC-13	ND	ND	2	13.3	ND
			5	14.9	ND
			10	1.3	30.5
			15	16.7	39.0
CEC-14	ND	ND	2	17.2	ND
			5	11.4	ND
			10	34.5	36.0
			15	29.5	24.7
CEC-15	ND	ND	2	15.9	ND
			5	7.9	ND
			10	39.7	57.8
			15	26.2	35.0
			17	15.2	68.6
CEC-16	ND	ND	2	13.6	28.9
			5	14.1	ND
			10	19.0	25.1
			15	17.1	18.6
			17	20.9	78.3
CEC-17	ND	ND	2	21.6	ND
			5	19.4	ND
			10	13.5	19.2
			15	17.1	28.5
			17	10.0	23.7
CEC-18	ND	ND	2	13.7	ND
			5	16.6	ND
			10	19.2	15.9
			15	16.0	21.0
			20	7.4	15.9
CEC-19	ND	ND	2	13.8	ND
			5	17.9	ND
			10	27.5	15.4
			15	23.5	22.3
			17	8.5	26.7
CEC-20	ND	ND	2	16.3	ND
			5	13.4	ND
			10	21.2	10.6
			15	15.3	22.2
			19	17.5	11.4

Table 2 - Summary of Testing Results for Chromium

Sample Location	Groundwater		Soil		
	Total Chromium (µg/L)	Chromium VI (µg/L)	Depth (ft)	Total Chromium (mg/kg)	Chromium VI (µg/kg)
CEC-21	ND	ND	2	15.6	12.1
			5	14.1	ND
			10	13.8	19.1
			15	21.8	34.6
			19	11.3	31.5
CEC-22	ND	–	2	17.9	34.2
			5	10.6	ND
			10	25.3	21.2
			15	17.6	26.6
			20	32.2	53.8
CEC-23	ND	ND	2	9.9	ND
			5	16.5	ND
			10	25.8	26.7
			15	19.2	31.2
			20	30.9	13.4
CEC-24	ND	ND	2	20.4	25.0
			5	18.7	10.5
			10	27.7	25.1
			15	16.4	19.1
			20	13.5	34.6
CEC-25	ND	0.626	2	25.5	ND
			5	11.5	ND
			10	37.9	ND
			15	24.3	26.3
			17	12.3	26.7
CEC-26	ND	0.673	2	23.7	ND
			5	17.2	ND
			10	28.7	17.0
			15	31.5	14.8
			17	7.6	20.8
CEC-27	ND	0.703	2	16.2	ND
			5	13.0	ND
			10	35.9	18.8
			15	30.3	17.4
CEC-28	ND	0.761	2	10.5	ND
			5	8.5	ND
			10	38.3	17.9
			15	12.9	18.8

Table 2 - Summary of Testing Results for Chromium

Sample Location	Groundwater		Soil		
	Total Chromium (µg/L)	Chromium VI (µg/L)	Depth (ft)	Total Chromium (mg/kg)	Chromium VI (µg/kg)
CEC-29	ND	0.751	2	14.2	24.5
			5	8.9	19.6
			10	10.6	ND
			15	16.0	37.6
CEC-30	ND	0.789	2	16.8	46.1
			5	10.2	14.3
			10	37.2	19.7
			15	29.6	12.7
CEC-31	45	-	2	9.8	77.7
			5	16.1	34.6
			10	15.0	62.2
			15	11.8	24.5
CEC-32	ND	ND	2	10.9	10.9
			5	19.4	31.7
			10	11.1	23.2
			15	7.3	54.1
CEC-33	ND	ND	2	11.4	369.0
			5	19.7	32.7
			10	26.4	32.9
			15	15.1	20.1
CEC-34	ND	-	10	20.5	19.0
			15	10.3	16.3
			20	21.9	20.9
CEC-35	ND	ND	2	11.2	ND
			5	10.9	ND
			10	18.7	19.2
			15	7.6	14.7
CEC-36	17	ND	2	12.5	ND
			5	22.1	ND
			10	8.7	33.1
			15	5.7	ND
CEC-37	ND	0.68	2	16.1	13.8
			5	26.7	13.0
			10	17.8	18.3
			15	5.4	17.2
CEC-38	ND	ND	2	17.1	135.0
			5	21.4	39.5
			10	32.9	16.3
			15	31.1	28.2

Table 3 - Maximum and Average Measured Chromium Concentrations

Media	Average or Maximum Value	Total Chromium	Chromium VI
Soil	Average	18 mg/kg	24 μg/kg
	Maximum	40 mg/kg	369 μg/kg
Groundwater	Average	1.8 μg/kg	0.3 μg/kg
	Maximum	45 μg/kg	1.1 μg/kg

Site Investigation Report
Parcel 77612

LIMITED SOIL SAMPLING
14133 FREEWAY DRIVE
SANTA FE SPRINGS, CALIFORNIA 90670

PREPARED FOR:
SPECTRUM PAB, LLC and TRIG INVESTMENTS, LLC
c/o LBA REALTY LLC
17901 VON KARMAN AVENUE, SUITE 950
IRVINE, CALIFORNIA 92614

URS PROJECT NO. 29404377.10000

July 23, 2010

915 Wilshire Boulevard
Suite 700
Los Angeles, California 90017
(213) 996-2200

FIGURES

N

0 0.2 0.4

APPROX. SCALE IN MILES

SITE VICINITY

14131 TO 14135 EAST FREEWAY DRIVE

SANTA FE SPRINGS, CALIFORNIA

URS

FIGURE 1

SOURCE: Google Earth, 2010
Figure Not To Scale

LEGEND:

Approximate Subject Property Boundary

Approximate Soil Boring Location and Designation

N

Site Plan with Boring Locations

Subject Property
14133 Freeway Drive
Santa Fe Springs, California 90670

URS

FIGURE 2

APPENDIX A
ANALYTICAL DATA

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

July 08, 2010

The original report has been revised/corrected.

Christiane Ortega
URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Subject: **Calscience Work Order No.: 10-06-2243**
Client Reference: LBA - Freeway Drive

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/29/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Vikas Patel

Calscience Environmental
Laboratories, Inc.
Vikas Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-1,7	**10-06-2243-1-A**	**06/29/10 07:30**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 03:38**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	10	2		C21-C22	ND	10	2	
C7	ND	10	2		C23-C24	ND	10	2	
C8	ND	10	2		C25-C28	33	10	2	
C9-C10	ND	10	2		C29-C32	130	10	2	
C11-C12	ND	10	2		C33-C36	170	10	2	
C13-C14	ND	10	2		C37-C40	180	10	2	
C15-C16	ND	10	2		C41-C44	130	10	2	
C17-C18	ND	10	2		C6-C44 Total	650	10	2	
C19-C20	ND	10	2						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	61-145	

Clarifier-1,12	**10-06-2243-2-A**	**06/29/10 07:41**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 03:53**	**100630B17**		

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	ND	5.0	1	
C7	ND	5.0	1		C23-C24	ND	5.0	1	
C8	ND	5.0	1		C25-C28	6.0	5.0	1	
C9-C10	ND	5.0	1		C29-C32	ND	5.0	1	
C11-C12	ND	5.0	1		C33-C36	5.7	5.0	1	
C13-C14	10	5.0	1		C37-C40	7.0	5.0	1	
C15-C16	ND	5.0	1		C41-C44	ND	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	43	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	129	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-2,7	**10-06-2243-3-A**	**06/29/10 07:55**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 04:09**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	ND	5.0	1	
C7	ND	5.0	1		C23-C24	ND	5.0	1	
C8	ND	5.0	1		C25-C28	ND	5.0	1	
C9-C10	ND	5.0	1		C29-C32	ND	5.0	1	
C11-C12	ND	5.0	1		C33-C36	ND	5.0	1	
C13-C14	ND	5.0	1		C37-C40	ND	5.0	1	
C15-C16	ND	5.0	1		C41-C44	ND	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	ND	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	126	61-145	

Clarifier-2,12	**10-06-2243-4-A**	**06/29/10 08:05**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 04:25**	**100630B17**		

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	ND	5.0	1	
C7	ND	5.0	1		C23-C24	ND	5.0	1	
C8	ND	5.0	1		C25-C28	ND	5.0	1	
C9-C10	ND	5.0	1		C29-C32	ND	5.0	1	
C11-C12	ND	5.0	1		C33-C36	ND	5.0	1	
C13-C14	ND	5.0	1		C37-C40	ND	5.0	1	
C15-C16	ND	5.0	1		C41-C44	ND	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	ND	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	123	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Washrack,5	**10-06-2243-5-A**	**06/29/10 08:20**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 04:41**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	ND	5.0	1	
C7	ND	5.0	1		C23-C24	ND	5.0	1	
C8	ND	5.0	1		C25-C28	ND	5.0	1	
C9-C10	ND	5.0	1		C29-C32	ND	5.0	1	
C11-C12	ND	5.0	1		C33-C36	ND	5.0	1	
C13-C14	ND	5.0	1		C37-C40	ND	5.0	1	
C15-C16	ND	5.0	1		C41-C44	ND	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	ND	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Washrack(adj),2-3	**10-06-2243-6-A**	**06/29/10 08:30**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 04:56**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	10	2		C21-C22	16	10	2	
C7	ND	10	2		C23-C24	16	10	2	
C8	ND	10	2		C25-C28	50	10	2	
C9-C10	ND	10	2		C29-C32	100	10	2	
C11-C12	ND	10	2		C33-C36	120	10	2	
C13-C14	ND	10	2		C37-C40	120	10	2	
C15-C16	ND	10	2		C41-C44	110	10	2	
C17-C18	ND	10	2		C6-C44 Total	560	10	2	
C19-C20	ND	10	2						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Haz. Mat,2-3	**10-06-2243-7-A**	**06/29/10 08:45**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 05:12**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	8.4	5.0	1	
C7	ND	5.0	1		C23-C24	17	5.0	1	
C8	ND	5.0	1		C25-C28	26	5.0	1	
C9-C10	ND	5.0	1		C29-C32	40	5.0	1	
C11-C12	ND	5.0	1		C33-C36	36	5.0	1	
C13-C14	ND	5.0	1		C37-C40	36	5.0	1	
C15-C16	ND	5.0	1		C41-C44	24	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	190	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

Oily Corner,2-3	**10-06-2243-8-A**	**06/29/10 09:10**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 05:28**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	ND	5.0	1	
C7	ND	5.0	1		C23-C24	ND	5.0	1	
C8	ND	5.0	1		C25-C28	ND	5.0	1	
C9-C10	ND	5.0	1		C29-C32	ND	5.0	1	
C11-C12	ND	5.0	1		C33-C36	ND	5.0	1	
C13-C14	ND	5.0	1		C37-C40	ND	5.0	1	
C15-C16	ND	5.0	1		C41-C44	ND	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	ND	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	128	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Washrack(adj-2),1-2	**10-06-2243-9-A**	**06/29/10 11:00**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 05:43**	**100630B17**

Comment(s): -The Total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C21-C22	6.8	5.0	1	
C7	ND	5.0	1		C23-C24	8.2	5.0	1	
C8	ND	5.0	1		C25-C28	20	5.0	1	
C9-C10	ND	5.0	1		C29-C32	45	5.0	1	
C11-C12	ND	5.0	1		C33-C36	47	5.0	1	
C13-C14	ND	5.0	1		C37-C40	44	5.0	1	
C15-C16	ND	5.0	1		C41-C44	37	5.0	1	
C17-C18	ND	5.0	1		C6-C44 Total	210	5.0	1	
C19-C20	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

Method Blank	**099-12-275-3,525**	**N/A**	**Solid**	**GC 46**	**06/30/10**	**07/01/10 02:19**	**100630B17**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-1,7	**10-06-2243-1-A**	**06/29/10 07:30**	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10 18:48**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-1,12	**10-06-2243-2-A**	**06/29/10 07:41**	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10 19:15**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-2,7	**10-06-2243-3-A**	**06/29/10 07:55**	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10 13:16**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	90	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-2,12	**10-06-2243-4-A**	**06/29/10 08:05**	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10 19:43**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	123	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	95	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Washrack,5	**10-06-2243-5-A**	**06/29/10 08:20**	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10 20:10**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Washrack(adj),2-3	**10-06-2243-6-A**	**06/29/10 08:30**	**Solid**	**GC/MS VV**	**06/29/10**	**07/01/10 16:31**	**100701L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	91	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Haz. Mat,2-3	**10-06-2243-7-A**	**06/29/10 08:45**	**Solid**	**GC/MS VV**	**06/29/10**	**07/02/10 16:25**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	94	80-120		1,4-Bromofluorobenzene	91	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Oily Corner,2-3	**10-06-2243-8-A**	**06/29/10 09:10**	**Solid**	**GC/MS VV**	**06/29/10**	**07/01/10 17:25**	**100701L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	117	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Washrack(adj-2),1-2	**10-06-2243-9-A**	**06/29/10 11:00**	**Solid**	**GC/MS VV**	**06/29/10**	**07/01/10 17:52**	**100701L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,460**	**N/A**	**Solid**	**GC/MS VV**	**06/30/10**	**06/30/10 12:22**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	109	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,465**	**N/A**	**Solid**	**GC/MS VV**	**07/01/10**	**07/01/10 12:23**	**100701L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: LBA - Freeway Drive			Page 12 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,472**	**N/A**	**Solid**	**GC/MS VV**	**07/02/10**	**07/02/10 12:20**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: LBA - Freeway Drive

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-1,7	**10-06-2243-1-A**	**06/29/10 07:30**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:46**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:16 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	12.6	0.750	1		Molybdenum	1.20	0.250	1	
Barium	147	0.500	1		Nickel	20.0	0.250	1	
Beryllium	0.435	0.250	1		Selenium	1.67	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	25.2	0.250	1		Thallium	ND	0.750	1	
Cobalt	11.9	0.250	1		Vanadium	38.7	0.250	1	
Copper	36.1	0.500	1		Zinc	54.1	1.00	1	
Lead	6.56	0.500	1						

Clarifier-1,12	**10-06-2243-2-A**	**06/29/10 07:41**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:47**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:26 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	7.66	0.750	1		Molybdenum	0.989	0.250	1	
Barium	125	0.500	1		Nickel	14.3	0.250	1	
Beryllium	0.324	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	17.2	0.250	1		Thallium	ND	0.750	1	
Cobalt	10.1	0.250	1		Vanadium	37.2	0.250	1	
Copper	25.1	0.500	1		Zinc	43.8	1.00	1	
Lead	3.71	0.500	1						

Clarifier-2,7	**10-06-2243-3-A**	**06/29/10 07:55**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:48**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:28 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.109	0.0835	1	
Arsenic	17.5	0.750	1		Molybdenum	0.623	0.250	1	
Barium	218	0.500	1		Nickel	20.1	0.250	1	
Beryllium	0.481	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	24.2	0.250	1		Thallium	ND	0.750	1	
Cobalt	14.3	0.250	1		Vanadium	46.7	0.250	1	
Copper	43.9	0.500	1		Zinc	65.1	1.00	1	
Lead	6.26	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 2 of 4

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Clarifier-2,12	**10-06-2243-4-A**	**06/29/10 08:05**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:50**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:31 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	15.5	0.750	1		Molybdenum	2.79	0.250	1	
Barium	158	0.500	1		Nickel	13.7	0.250	1	
Beryllium	0.324	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	16.3	0.250	1		Thallium	ND	0.750	1	
Cobalt	8.74	0.250	1		Vanadium	38.4	0.250	1	
Copper	17.7	0.500	1		Zinc	43.8	1.00	1	
Lead	2.99	0.500	1						

Washrack,5	**10-06-2243-5-A**	**06/29/10 08:20**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:51**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:33 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	4.51	0.750	1		Molybdenum	ND	0.250	1	
Barium	91.8	0.500	1		Nickel	11.2	0.250	1	
Beryllium	0.266	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	13.8	0.250	1		Thallium	ND	0.750	1	
Cobalt	7.62	0.250	1		Vanadium	26.4	0.250	1	
Copper	14.7	0.500	1		Zinc	38.3	1.00	1	
Lead	3.18	0.500	1						

Washrack(adj),2-3	**10-06-2243-6-A**	**06/29/10 08:30**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:52**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:36 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	7.00	0.750	1		Molybdenum	1.36	0.250	1	
Barium	135	0.500	1		Nickel	16.9	0.250	1	
Beryllium	0.405	0.250	1		Selenium	0.960	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	18.4	0.250	1		Thallium	ND	0.750	1	
Cobalt	8.78	0.250	1		Vanadium	32.5	0.250	1	
Copper	29.0	0.500	1		Zinc	103	1.00	1	
Lead	24.6	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: LBA - Freeway Drive

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Haz. Mat,2-3	**10-06-2243-7-A**	**06/29/10 08:45**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:53**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:38 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	5.73	0.750	1		Molybdenum	1.23	0.250	1	
Barium	97.8	0.500	1		Nickel	10.9	0.250	1	
Beryllium	0.310	0.250	1		Selenium	0.772	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	11.5	0.250	1		Thallium	ND	0.750	1	
Cobalt	6.06	0.250	1		Vanadium	25.1	0.250	1	
Copper	30.9	0.500	1		Zinc	61.4	1.00	1	
Lead	8.70	0.500	1						

Oily Corner,2-3	**10-06-2243-8-A**	**06/29/10 09:10**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:57**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:41 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	4.67	0.750	1		Molybdenum	ND	0.250	1	
Barium	105	0.500	1		Nickel	13.9	0.250	1	
Beryllium	0.305	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	16.5	0.250	1		Thallium	ND	0.750	1	
Cobalt	9.81	0.250	1		Vanadium	29.2	0.250	1	
Copper	18.6	0.500	1		Zinc	47.8	1.00	1	
Lead	3.84	0.500	1						

Washrack(adj-2),1-2	**10-06-2243-9-A**	**06/29/10 11:00**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 20:58**	**100701L02**

Comment(s): -Mercury analysis was performed on 07/02/10 13:43 with batch 100701L08.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	5.55	0.750	1		Molybdenum	0.899	0.250	1	
Barium	109	0.500	1		Nickel	12.8	0.250	1	
Beryllium	0.337	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	12.8	0.250	1		Thallium	ND	0.750	1	
Cobalt	6.89	0.250	1		Vanadium	25.7	0.250	1	
Copper	20.0	0.500	1		Zinc	52.7	1.00	1	
Lead	41.0	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: LBA - Freeway Drive			Page 4 of 4

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-7,184**	**N/A**	**Solid**	**Mercury**	**07/01/10**	**07/02/10 12:40**	**100701L08**

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-13,731**	**N/A**	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10 21:27**	**100701L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 3050B
Method: EPA 6010B

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2363-8	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10**	**100701S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	62	65	50-115	3	0-20	
Arsenic	107	114	75-125	5	0-20	
Barium	192	183	75-125	2	0-20	3
Beryllium	107	109	75-125	2	0-20	
Cadmium	103	107	75-125	4	0-20	
Chromium	113	118	75-125	3	0-20	
Cobalt	114	115	75-125	1	0-20	
Copper	123	159	75-125	13	0-20	3
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	101	106	75-125	5	0-20	
Nickel	112	118	75-125	4	0-20	
Selenium	110	110	75-125	0	0-20	
Silver	105	106	75-125	2	0-20	
Thallium	104	107	75-125	3	0-20	
Vanadium	111	116	75-125	3	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

URS Corporation		Date Received	06/29/10
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-06-2363-8	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10**	**100701S02**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	98	94	75-125	4	0-20	
Arsenic	103	100	75-125	2	0-20	
Barium	108	96	75-125	2	0-20	
Beryllium	102	98	75-125	4	0-20	
Cadmium	97	96	75-125	1	0-20	
Chromium	98	95	75-125	2	0-20	
Cobalt	103	102	75-125	1	0-20	
Copper	105	101	75-125	2	0-20	
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	99	100	75-125	1	0-20	
Nickel	101	98	75-125	2	0-20	
Selenium	102	101	75-125	1	0-20	
Silver	78	77	75-125	2	0-20	
Thallium	99	99	75-125	0	0-20	
Vanadium	103	99	75-125	3	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Clarifier-2,12	**Solid**	**GC 46**	**06/30/10**	**07/01/10**	**100630S17**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	107	110	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 7471A Total
Method: EPA 7471A

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2363-8	**Solid**	**Mercury**	**07/01/10**	**07/02/10**	**100701S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	103	106	71-137	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 5030B
Method: EPA 8260B

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Clarifier-2,7	**Solid**	**GC/MS VV**	**06/29/10**	**06/30/10**	**100630S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	101	61-127	1	0-20	
Carbon Tetrachloride	105	99	51-135	6	0-29	
Chlorobenzene	102	96	57-123	6	0-20	
1,2-Dibromoethane	101	99	64-124	3	0-20	
1,2-Dichlorobenzene	99	93	35-131	6	0-25	
1,2-Dichloroethane	101	98	80-120	2	0-20	
1,1-Dichloroethene	93	93	47-143	0	0-25	
Ethylbenzene	110	103	57-129	7	0-22	
Toluene	105	101	63-123	4	0-20	
Trichloroethene	106	99	44-158	6	0-20	
Vinyl Chloride	89	98	49-139	9	0-47	
Methyl-t-Butyl Ether (MTBE)	88	91	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	106	102	30-168	4	0-34	
Diisopropyl Ether (DIPE)	93	94	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	93	94	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	98	58-124	2	0-20	
Ethanol	86	83	17-167	3	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 5030B
Method: EPA 8260B

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1965-1	**Solid**	**GC/MS VV**	**06/30/10**	**07/01/10**	**100701S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	103	61-127	7	0-20	
Carbon Tetrachloride	86	100	51-135	14	0-29	
Chlorobenzene	84	95	57-123	12	0-20	
1,2-Dibromoethane	101	96	64-124	4	0-20	
1,2-Dichlorobenzene	65	79	35-131	19	0-25	
1,2-Dichloroethane	99	96	80-120	2	0-20	
1,1-Dichloroethene	88	100	47-143	13	0-25	
Ethylbenzene	79	97	57-129	21	0-22	
Toluene	88	99	63-123	12	0-20	
Trichloroethene	151	134	44-158	12	0-20	
Vinyl Chloride	89	102	49-139	13	0-47	
Methyl-t-Butyl Ether (MTBE)	93	88	57-123	6	0-21	
Tert-Butyl Alcohol (TBA)	112	84	30-168	29	0-34	
Diisopropyl Ether (DIPE)	93	93	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	95	94	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	94	58-124	3	0-20	
Ethanol	92	51	17-167	58	0-47	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
915 Wilshire Blvd., Suite 700
Los Angeles, CA 90017-3437

Date Received: 06/29/10
Work Order No: 10-06-2243
Preparation: EPA 5030B
Method: EPA 8260B

Project LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-0076-1	**Solid**	**GC/MS VV**	**07/01/10**	**07/02/10**	**100702S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	100	61-127	2	0-20	
Carbon Tetrachloride	108	99	51-135	9	0-29	
Chlorobenzene	100	96	57-123	4	0-20	
1,2-Dibromoethane	101	101	64-124	0	0-20	
1,2-Dichlorobenzene	95	90	35-131	6	0-25	
1,2-Dichloroethane	105	101	80-120	4	0-20	
1,1-Dichloroethene	92	91	47-143	1	0-25	
Ethylbenzene	108	102	57-129	6	0-22	
Toluene	105	100	63-123	5	0-20	
Trichloroethene	122	109	44-158	11	0-20	
Vinyl Chloride	85	90	49-139	6	0-47	
Methyl-t-Butyl Ether (MTBE)	91	95	57-123	4	0-21	
Tert-Butyl Alcohol (TBA)	102	111	30-168	9	0-34	
Diisopropyl Ether (DIPE)	93	95	57-129	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	95	97	55-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	102	58-124	2	0-20	
Ethanol	77	89	17-167	14	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,731	**Solid**	**ICP 5300**	**07/01/10**	**07/01/10**	**100701L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	101	101	80-120	73-127	0	0-20	
Arsenic	100	101	80-120	73-127	0	0-20	
Barium	113	114	80-120	73-127	1	0-20	
Beryllium	99	101	80-120	73-127	2	0-20	
Cadmium	103	103	80-120	73-127	1	0-20	
Chromium	102	103	80-120	73-127	1	0-20	
Cobalt	111	111	80-120	73-127	0	0-20	
Copper	106	107	80-120	73-127	1	0-20	
Lead	107	106	80-120	73-127	1	0-20	
Molybdenum	103	102	80-120	73-127	1	0-20	
Nickel	109	111	80-120	73-127	1	0-20	
Selenium	96	96	80-120	73-127	1	0-20	
Silver	103	104	80-120	73-127	2	0-20	
Thallium	106	105	80-120	73-127	0	0-20	
Vanadium	104	106	80-120	73-127	2	0-20	
Zinc	106	106	80-120	73-127	0	0-20	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,525	**Solid**	**GC 46**	**06/30/10**	**07/01/10**	**100630B17**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	110	107	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,184	**Solid**	**Mercury**	**07/01/10**	**07/02/10**	**100701L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	97	99	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,460	**Solid**	**GC/MS VV**	**06/30/10**	**06/30/10**	**100630L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	104	78-120	71-127	1	0-20	
Carbon Tetrachloride	102	102	49-139	34-154	0	0-20	
Chlorobenzene	102	101	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	105	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	101	101	75-120	68-128	1	0-20	
1,2-Dichloroethane	103	103	80-120	73-127	0	0-20	
1,1-Dichloroethene	97	99	74-122	66-130	2	0-20	
Ethylbenzene	109	109	76-120	69-127	0	0-20	
Toluene	105	103	77-120	70-127	2	0-20	
Trichloroethene	106	106	80-120	73-127	0	0-20	
Vinyl Chloride	90	90	68-122	59-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	95	97	77-120	70-127	2	0-20	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,465	**Solid**	**GC/MS VV**	**07/01/10**	**07/01/10**	**100701L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	98	78-120	71-127	0	0-20	
Carbon Tetrachloride	98	96	49-139	34-154	2	0-20	
Chlorobenzene	97	97	79-120	72-127	1	0-20	
1,2-Dibromoethane	103	104	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	98	97	75-120	68-128	1	0-20	
1,2-Dichloroethane	102	100	80-120	73-127	3	0-20	
1,1-Dichloroethene	91	92	74-122	66-130	1	0-20	
Ethylbenzene	102	103	76-120	69-127	1	0-20	
Toluene	99	99	77-120	70-127	0	0-20	
Trichloroethene	101	100	80-120	73-127	0	0-20	
Vinyl Chloride	78	85	68-122	59-131	8	0-20	
Methyl-t-Butyl Ether (MTBE)	94	94	77-120	70-127	1	0-20	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
915 Wilshire Blvd., Suite 700		Work Order No:	10-06-2243
Los Angeles, CA 90017-3437		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: LBA - Freeway Drive

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,472	**Solid**	**GC/MS VV**	**07/02/10**	**07/02/10**	**100702L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	91	94	78-120	71-127	3	0-20	
Carbon Tetrachloride	94	97	49-139	34-154	3	0-20	
Chlorobenzene	91	95	79-120	72-127	4	0-20	
1,2-Dibromoethane	90	100	80-120	73-127	10	0-20	
1,2-Dichlorobenzene	85	96	75-120	68-128	12	0-20	
1,2-Dichloroethane	91	98	80-120	73-127	7	0-20	
1,1-Dichloroethene	85	89	74-122	66-130	4	0-20	
Ethylbenzene	96	102	76-120	69-127	6	0-20	
Toluene	92	94	77-120	70-127	3	0-20	
Trichloroethene	96	98	80-120	73-127	3	0-20	
Vinyl Chloride	73	82	68-122	59-131	11	0-20	
Methyl-t-Butyl Ether (MTBE)	82	90	77-120	70-127	9	0-20	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-2243

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

☒ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 6/29/10

Page 1 of 1

LABORATORY CLIENT: WRS Corporation

ADDRESS: 915 Wilshire Blvd. #700

CITY: Los Angeles STATE: CA ZIP: 90017

TEL: 213.996.2442 E-MAIL: Christiane_Ortega@wrscorp.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: LBA - Freeway Drive

P.O. NO.:

PROJECT CONTACT: C. Ortega

LAB USE ONLY: 06-2243

SAMPLER(S): (PRINT) C. Ortega

COELT LOG CODE

COOLER RECEIPT TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (8015 Full chain)	BTEX / MTBE (8260B) or (___)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+ ___			
1	Clarifier-1, 7		6/29/10	0730	Soil	1			X	X								X						
2	clarifier-1, 12		↓	0741	↓	1			X	X								X						
3	clarifier-2, 7			0755		1			X	X								X						
4	clarifier-2, 12			0805		1			X	X								X						
5	Washrack, 5			0820		1			X	X								X						
6	washrack(adj), 2-3			0830		1			X	X								X						
7	Haz.mat, 2-3			0845		1			X	X								X						
8	Oily corner, 2-3			0910		1			X	X								X						
9	washrack(adj-2), 1-2			1100		1			X	X								X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature] 6/29/10	[signature] CEL	6/29/10	13:02
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2243

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 06/29/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.8 °C + 0.5 °C (CF) = 3.3 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: SO

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** SO

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** DL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** DL

Site Investigation Report
Parcel 77792

REMEDIATION COST ESTIMATE

INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS

CALTRANS PARCELS 77793 (APN#7003-006-002) AND 77794 (APN#7003-006-003)
LOCATION: 07-LA-005, PM 0.0/1.6
07A3321-03
PROJECT NUMBER: 0700001832
EA NUMBER: 215921

STANTEC PROJECT 185831003

Submitted to:
California Department of Transportation
District 7
100 South Main Street
Los Angeles, California 90012

Submitted by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California

Prepared by:

Mike Crowley
Senior Engineer

Reviewed by:

Anne E. Perez
Associate Geologist

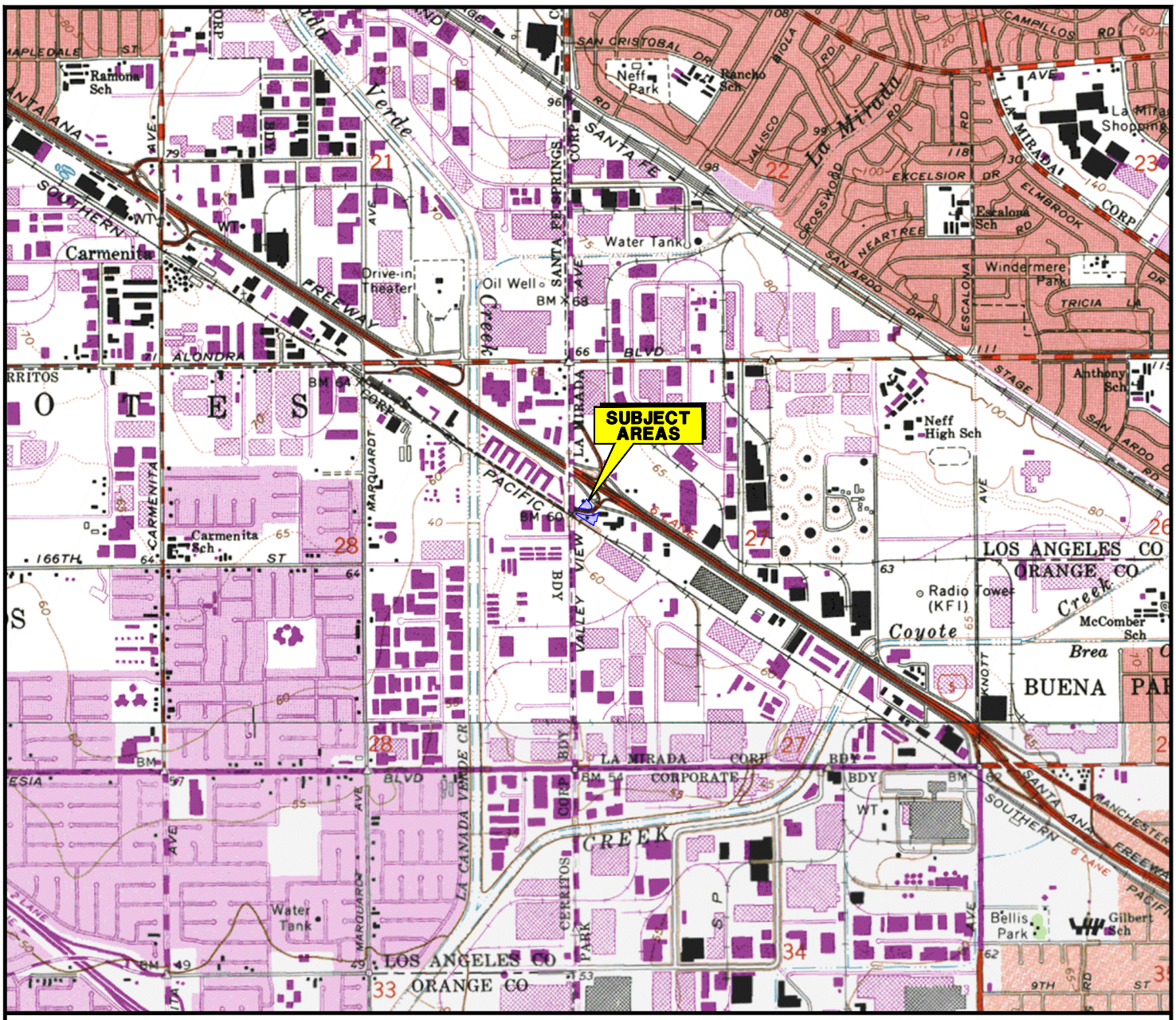
Approved by:

Kevin Miskin, P,E. C48458
Principal Engineer

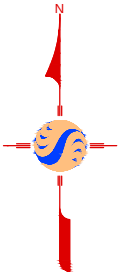
REGISTERED PROFESSIONAL ENGINEER
KEVIN KOY MISKIN
No. C48458
Exp. 6/14
CIVIL
STATE OF CALIFORNIA

August 5, 2013

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, WHITTIER QUADRANGLE, 1965
PHOTOREVISED 1981
LOS ALAMITOS QUADRANGLE, 1964
PHOTOREVISED 1981



0 2000 4000

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 332-6116 FAX: (909) 556-6516

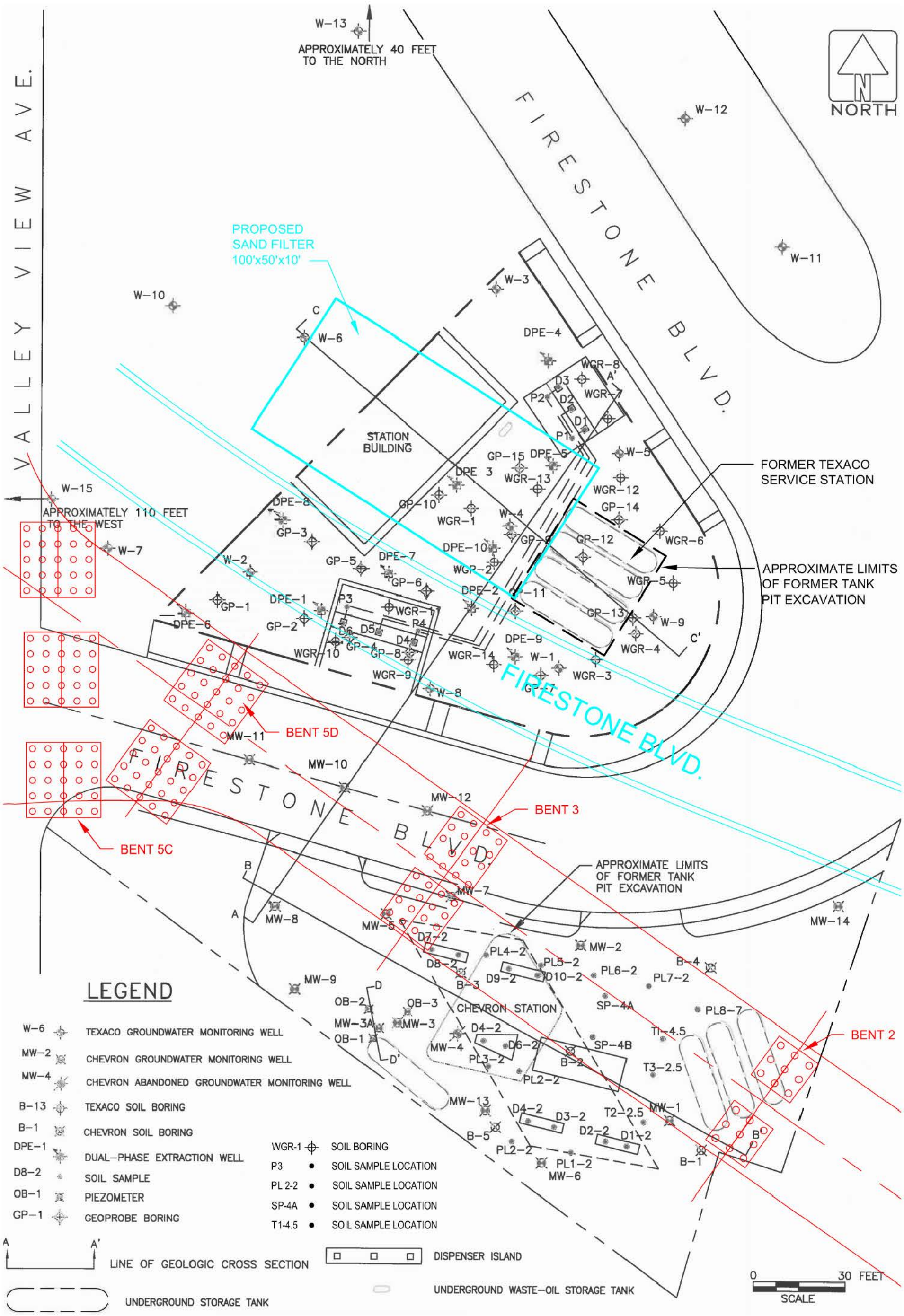
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SITE LOCATION MAP
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_SLM.dwg|troman|Jul 02, 2013 at 9:10|Layout: F1



LEGEND

W-6	TEXACO GROUNDWATER MONITORING WELL
MW-2	CHEVRON GROUNDWATER MONITORING WELL
MW-4	CHEVRON ABANDONED GROUNDWATER MONITORING WELL
B-13	TEXACO SOIL BORING
B-1	CHEVRON SOIL BORING
DPE-1	DUAL-PHASE EXTRACTION WELL
D8-2	SOIL SAMPLE
OB-1	PIEZOMETER
GP-1	GEOPROBE BORING
WGR-1	SOIL BORING
P3	SOIL SAMPLE LOCATION
PL 2-2	SOIL SAMPLE LOCATION
SP-4A	SOIL SAMPLE LOCATION
T1-4.5	SOIL SAMPLE LOCATION
A — A'	LINE OF GEOLOGIC CROSS SECTION
	DISPENSER ISLAND
	UNDERGROUND STORAGE TANK
	UNDERGROUND WASTE-OIL STORAGE TANK
	PROPOSED IMPROVEMENTS
	PROPOSED BRIDGE ALIGNMENT, BENTS, PILING

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

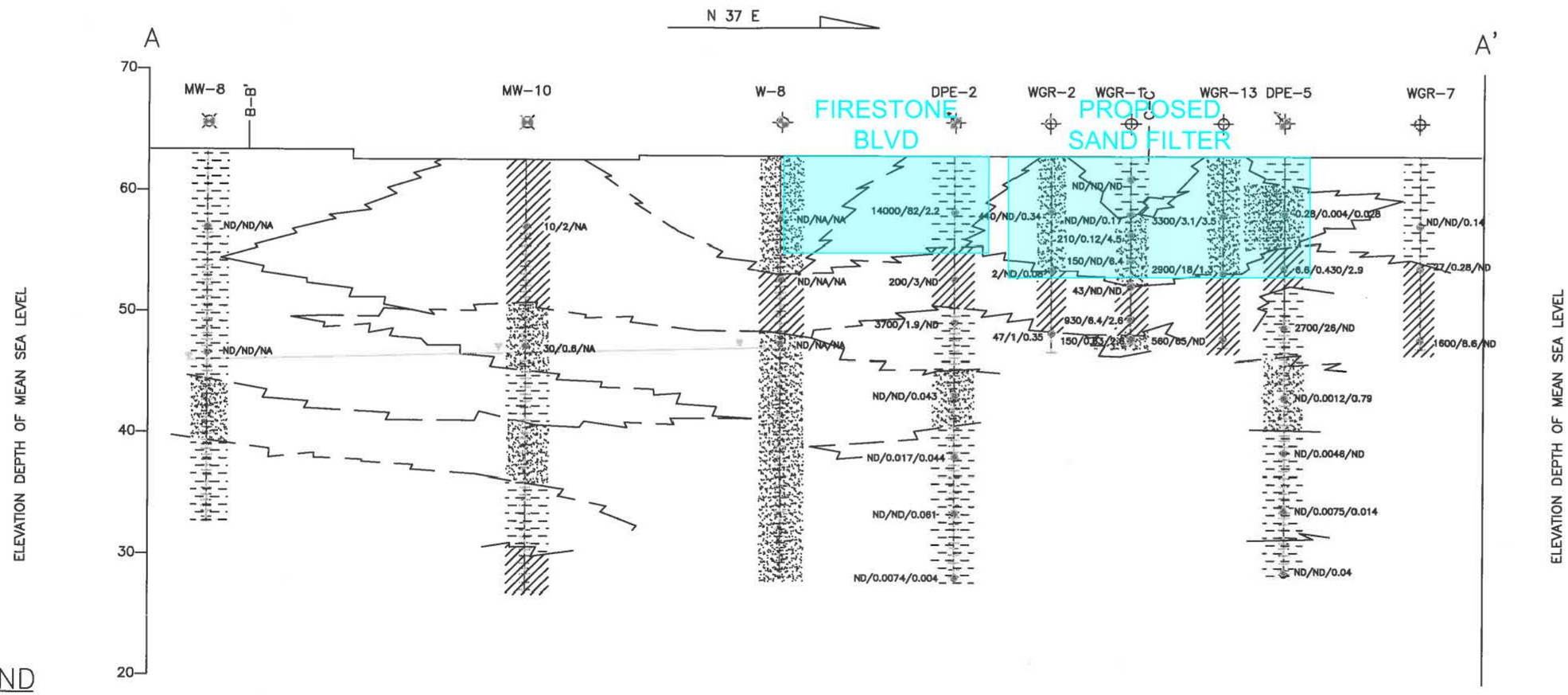
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PLOT PLAN WITH CROSS SECTIONS
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Aug 01, 2013 at 9:56|Layout: FIG 2



LEGEND

- TEXACO GROUNDWATER MONITORING WELL
- CHEVRON GROUNDWATER MONITORING WELL
- DUAL-PHASE EXTRACTION WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)
- PROPOSED IMPROVEMENTS

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE

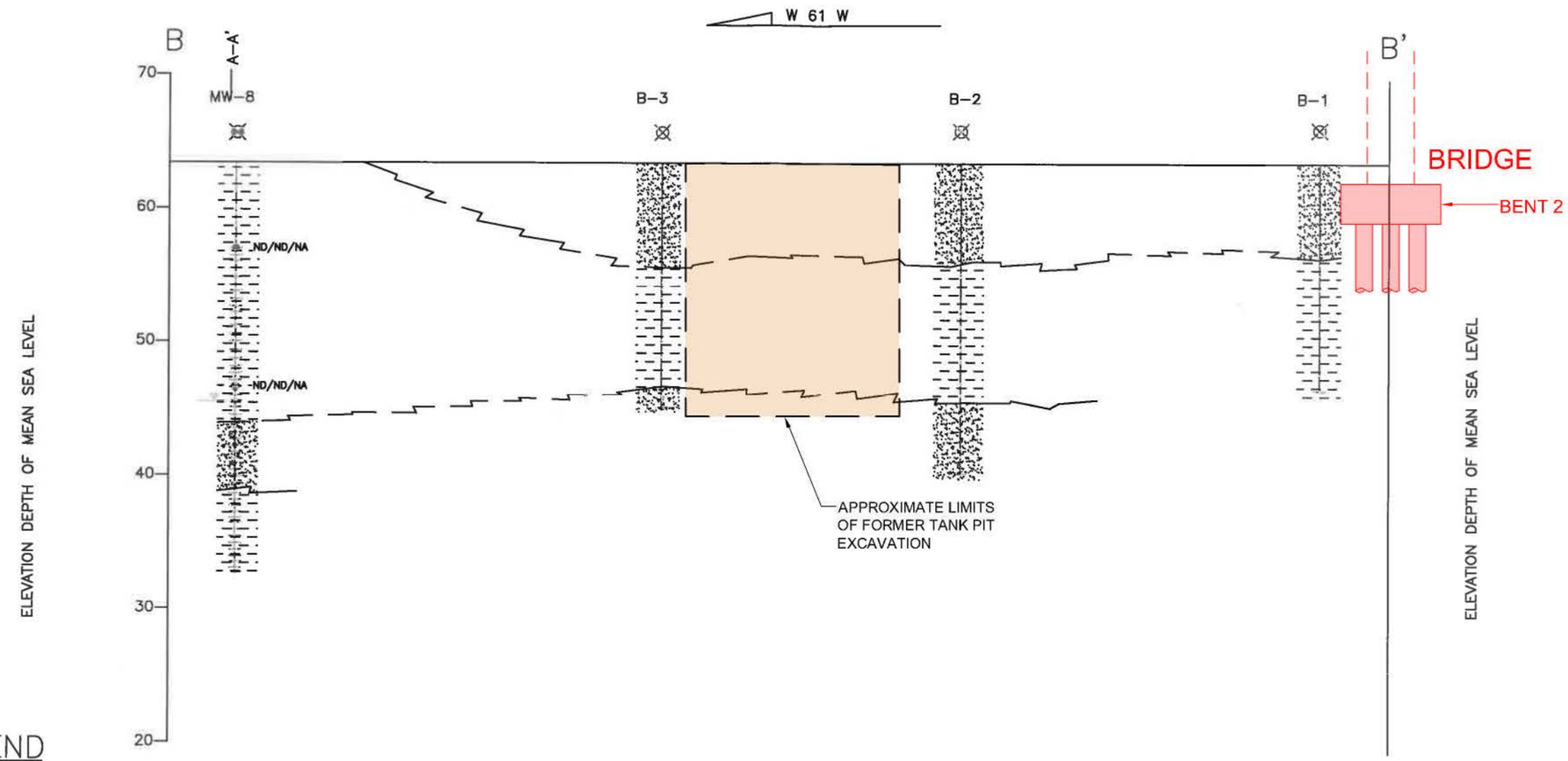
- CLAYEY SILT, SILTY CLAY
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

10' 0 20'
SCALE:
VERTICAL 1" =10'
HORIZONTAL 1" = 20'

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA		GEOLOGICAL CROSS-SECTION A-A' CHEVRON SERVICE STATION 9-5868 FORMER TEXACO SERVICE STATION 14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 3
JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013



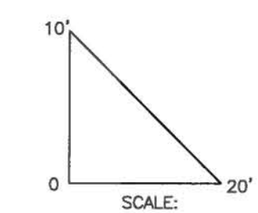
LEGEND

- CHEVRON GROUNDWATER MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)
- PROPOSED BRIDGE ALIGNMENT
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012



SCALE:
VERTICAL 1" =10'
HORIZONTAL 1" = 20'

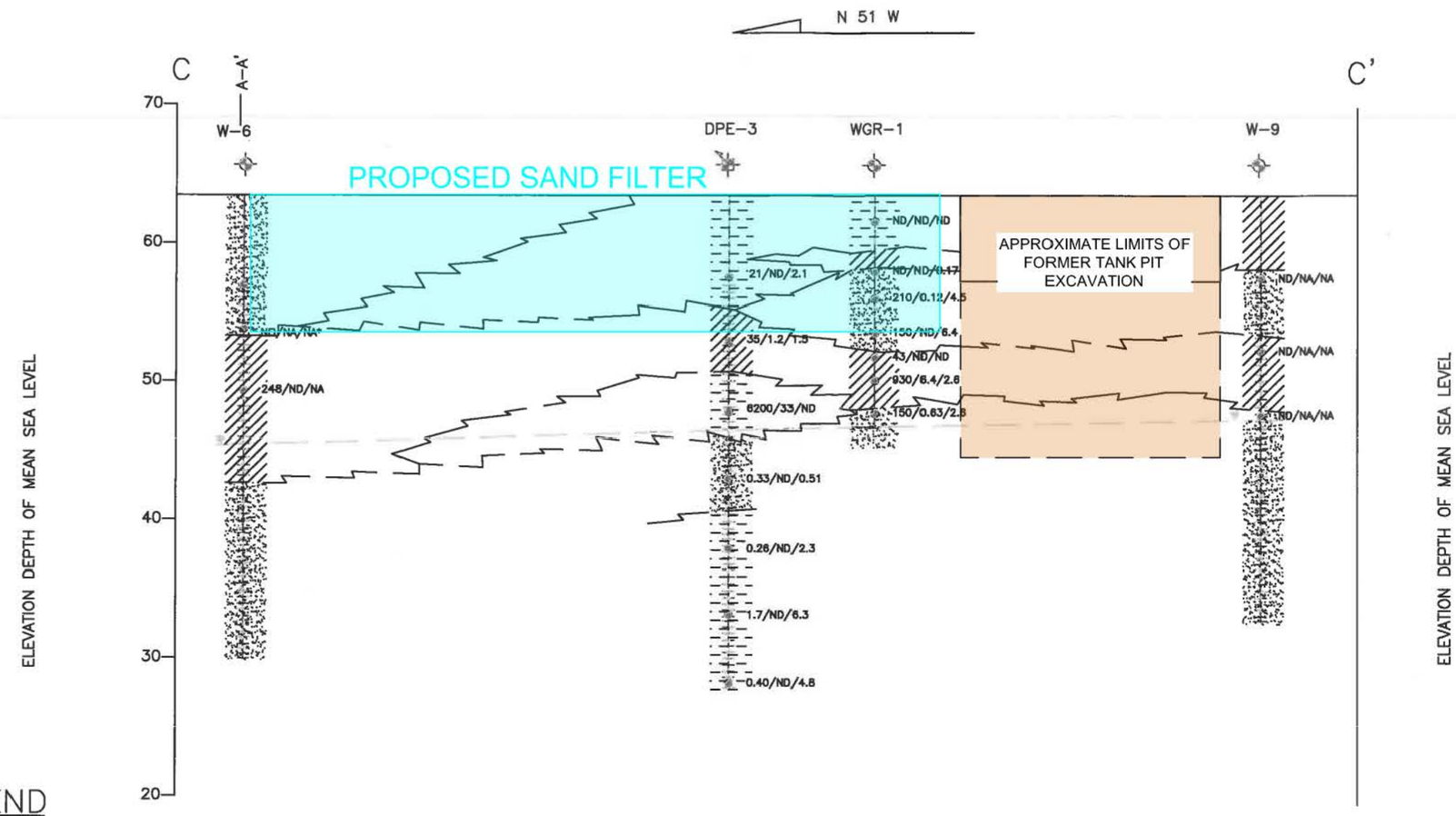
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

GEOLOGICAL CROSS-SECTION B-B'
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



LEGEND

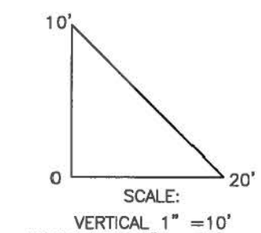
- DUAL-PHASE EXTRACTION WELL
- TEXACO GROUNDWATER MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE
* – COMPOSITED WITH 5 FOOT SAMPLE

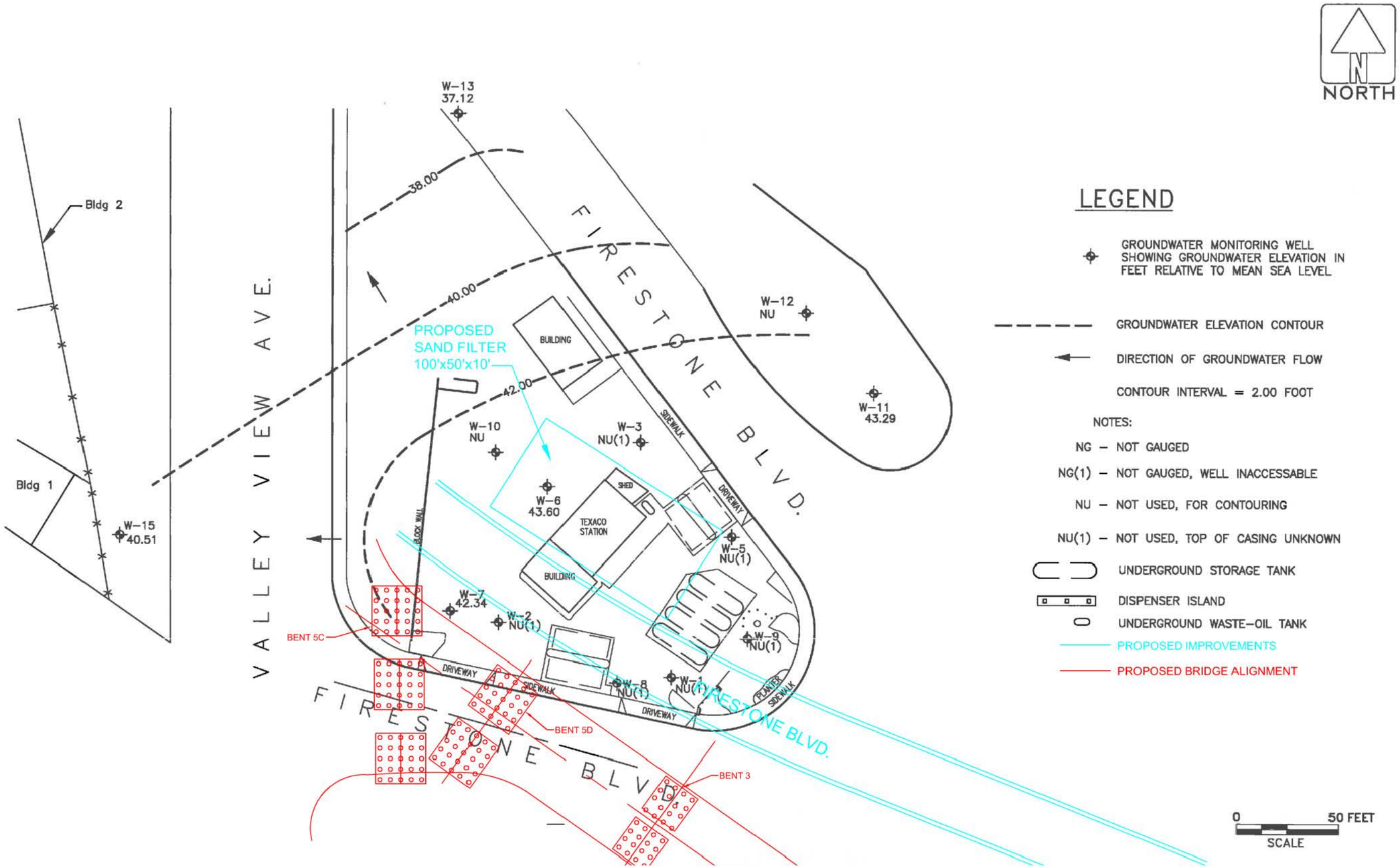
- CLAYEY SILT, SILTY CLAY
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012



Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GEOLOGICAL CROSS-SECTION C-C' CHEVRON SERVICE STATION 9-5868 FORMER TEXACO SERVICE STATION 14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 5
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

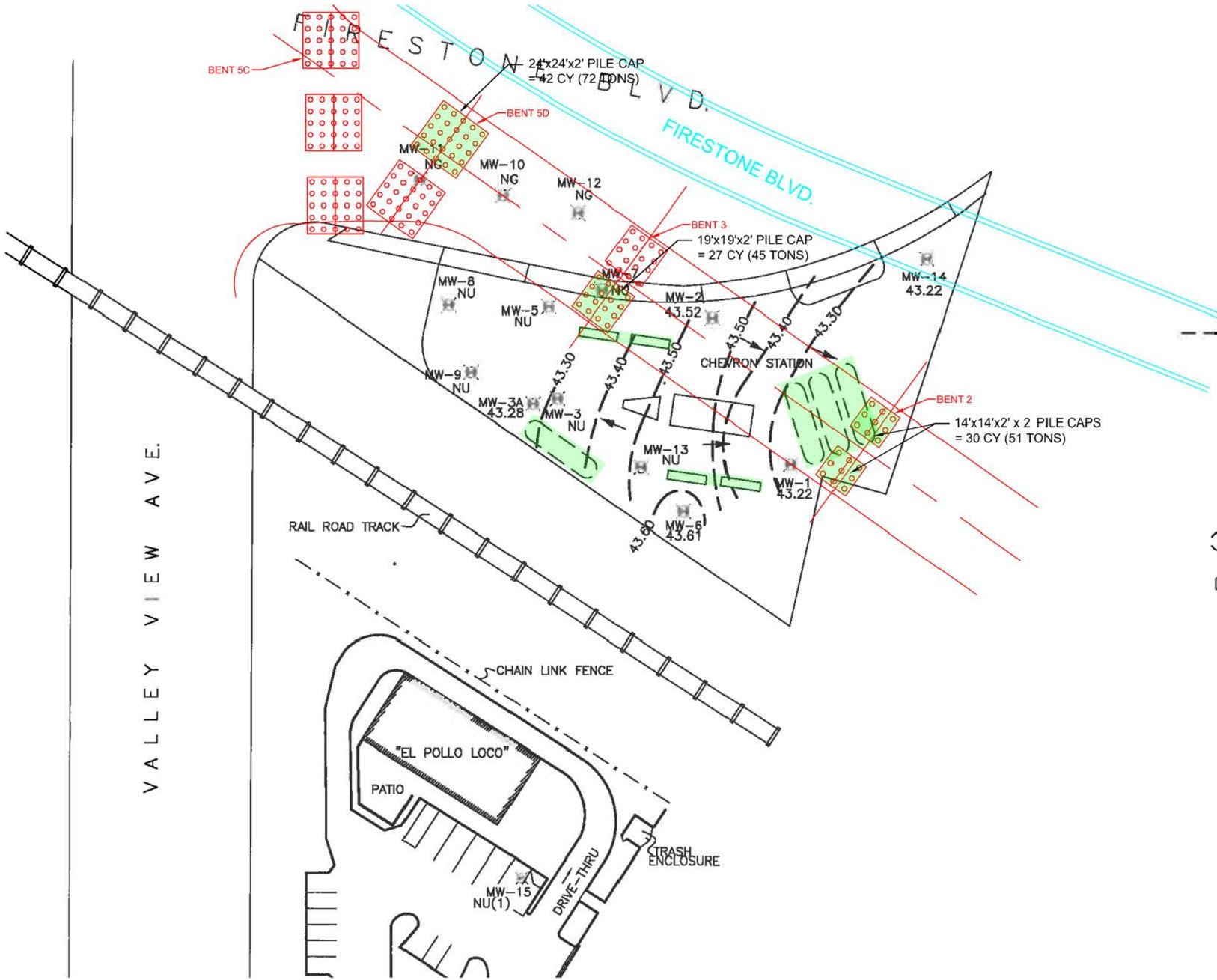
FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Aug 01, 2013 at 10:20|Layout: FIG 5



SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GROUNDWATER ELEVATION CONTOUR MAP (8-21-2012) FORMER TEXACO SERVICE STATION 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 6
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:44||Layout: FIG 6



NORTH

LEGEND

GROUNDWATER MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL

GROUNDWATER ELEVATION CONTOUR

DIRECTION OF GROUNDWATER FLOW

CONTOUR INTERVAL = 0.10 FOOT

NOTES:

NG – NOT GAUGED

NU – NOT USED FOR CONTOURING FORMER REMEDIATION WELL

UNDERGROUND STORAGE TANK

DISPENSER ISLAND

PROPOSED ROAD ALIGNMENT

PROPOSED BRIDGE ALIGNMENT

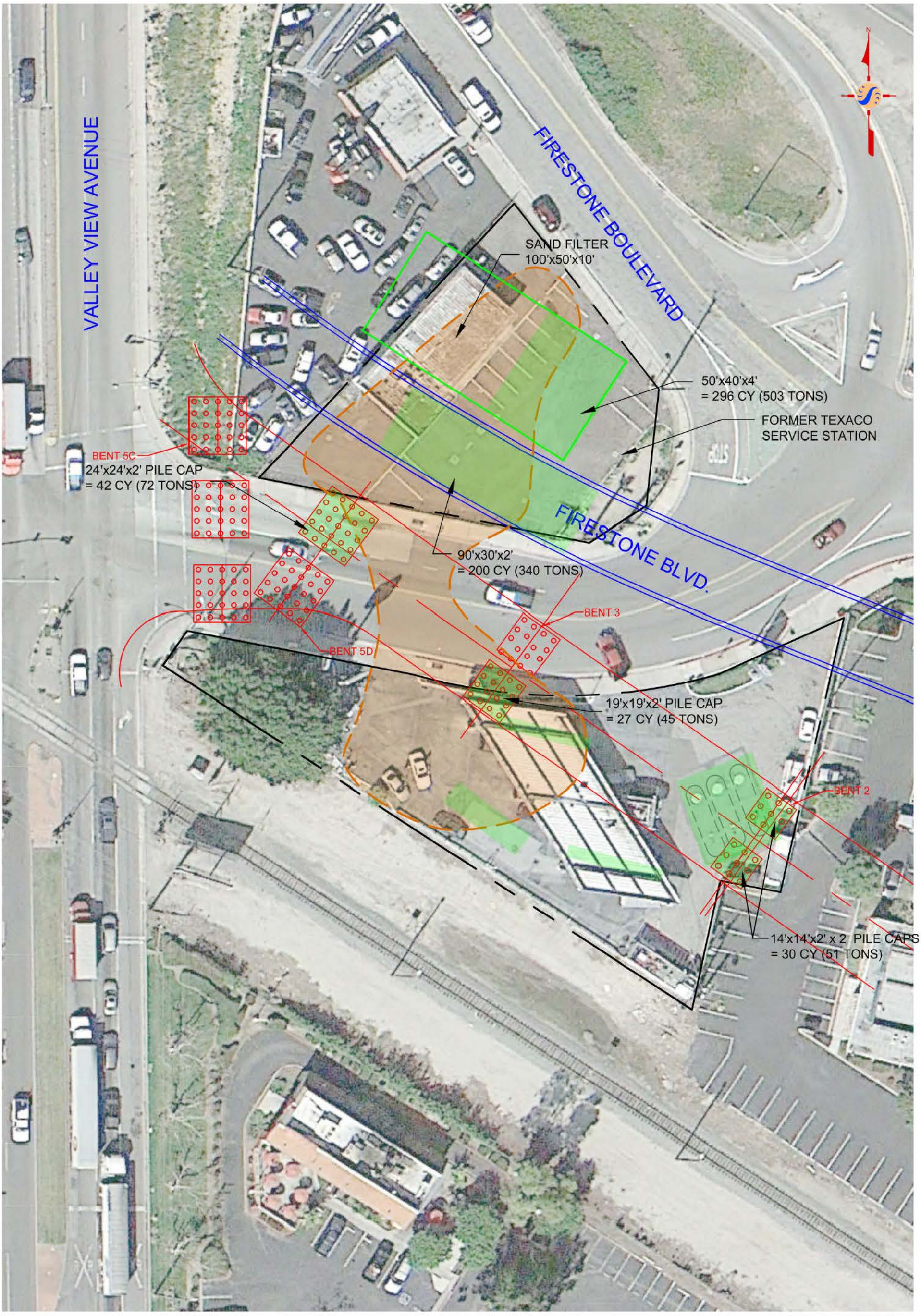
EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

0 50 FEET
SCALE

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA		GROUNDWATER ELEVATION CONTOUR MAP (8-21-2012) CHEVRON SERVICE STATION 9-5868 14240 E. FIRESTONE BLVD. LA MIRADA, CA	FIGURE: 7
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Jul 31, 2013 at 8:41||Layout: FIG 7



LEGEND

- PROPOSED ROAD ALIGNMENT
- PROPOSED BRIDGE ALIGNMENT, BENTS, PILING
- POTENTIAL IMPACTED SOIL (BASED ON LIMITED PRE-REMEDIATION SOIL ANALYTICAL DATA AND HISTORICAL SPH WELLS WHICH MAY HAVE RESIDUAL HYDROCARBON FROM GROUNDWATER FLUCTUATION)
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: GOOGLE EARTH AERIAL IMAGED, DATED MARCH 7, 2011.

0 40 80

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

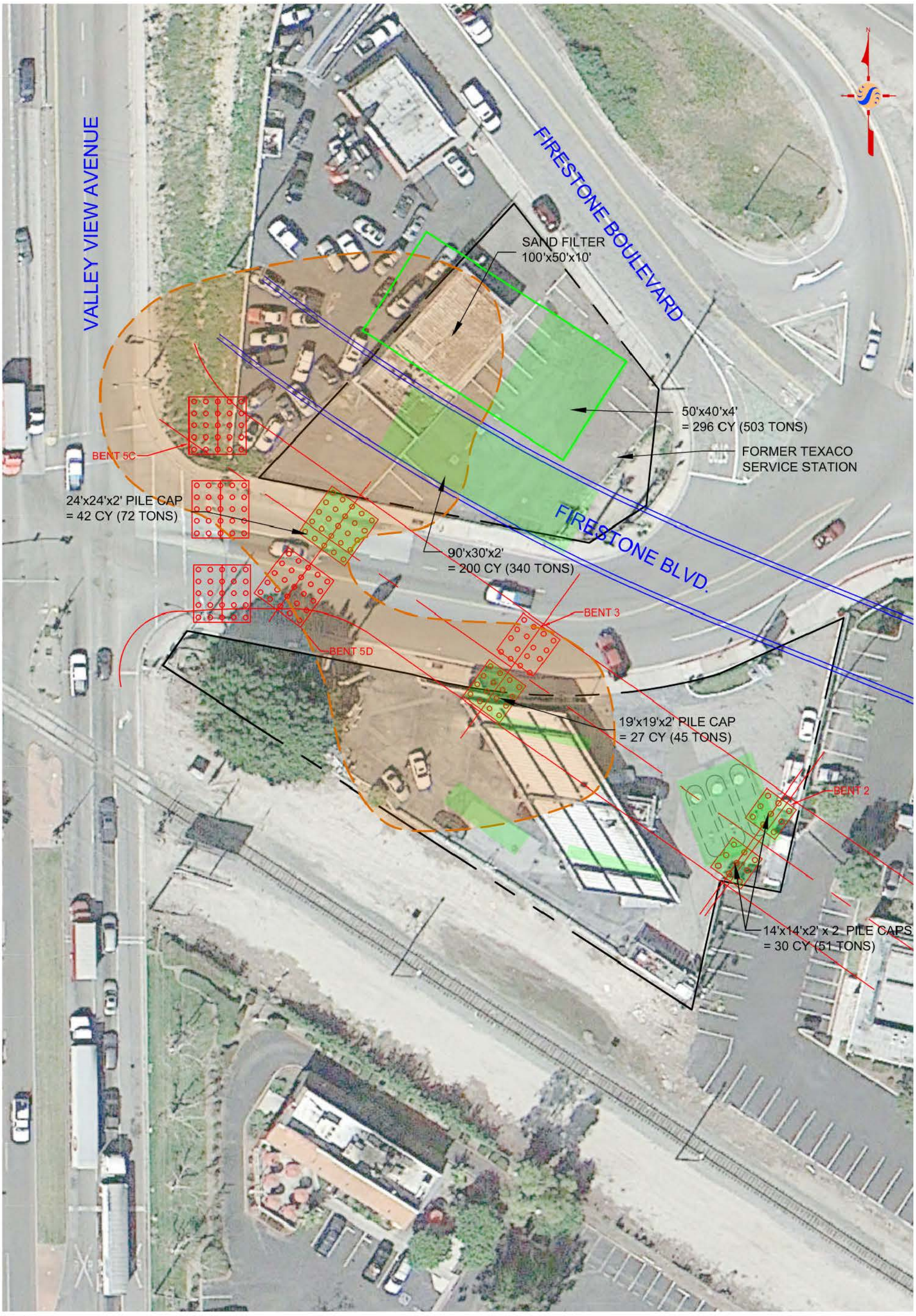
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PRE-REMEDIATION SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 8

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_Aerial3.dwg|mrcrowley|Jul 31, 2013 at 9:18|Layout: FIG 8



LEGEND

- PROPOSED ROAD ALIGNMENT
- PROPOSED BRIDGE ALIGNMENT, BENTS, PILING
- ESTIMATED PLUME DELINEATION OF GASOLINE CONSTITUENTS ABOVE MCL
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: GOOGLE EARTH AERIAL IMAGED, DATED MARCH 7, 2011.

0 40 80

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

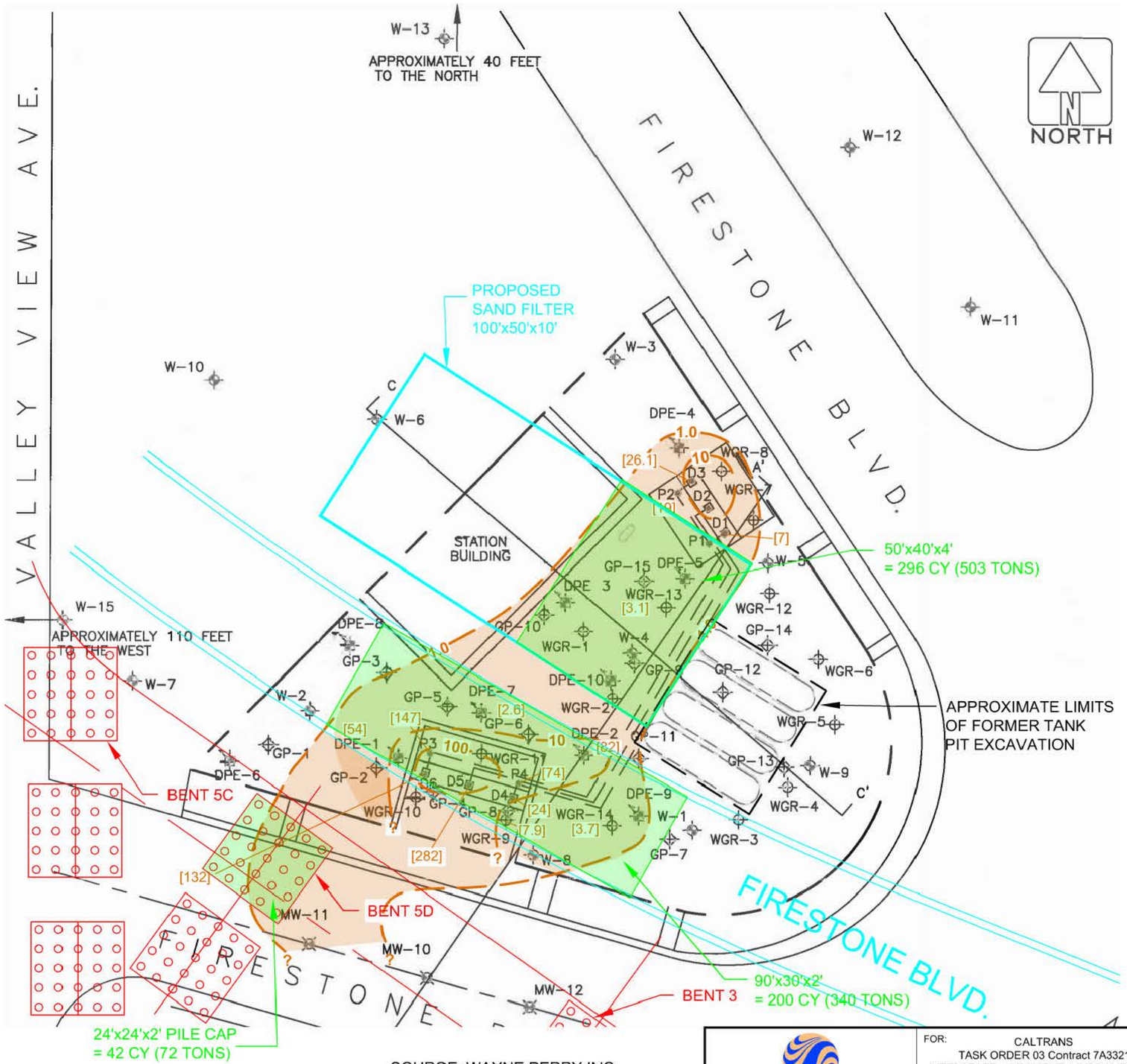
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PRE-REMEDIATION GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA

FIGURE: 9

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_Aerial3.dwg|mrcrowley|Jul 31, 2013 at 9:17|Layout: FIG 9



LEGEND

- W-6 TEXACO GROUNDWATER MONITORING WELL
- MW-2 CHEVRON GROUNDWATER MONITORING WELL
- MW-4 CHEVRON ABANDONED GROUNDWATER MONITORING WELL
- B-13 TEXACO SOIL BORING
- B-1 CHEVRON SOIL BORING
- DPE-1 DUAL-PHASE EXTRACTION WELL
- D8-2 SOIL SAMPLE
- OB-1 PIEZOMETER
- GP-1 GEOPROBE BORING
- A A' LINE OF GEOLOGIC CROSS SECTION
- UNDERGROUND STORAGE TANK
- DISPENSER ISLAND
- UNDERGROUND WASTE-OIL STORAGE TANK
- PROPOSED IMPROVEMENTS
- PROPOSED BRIDGE ALIGNMENT
- LINE OF EQUAL BENZENE CONCENTRATION (mg/Kg)
- POTENTIAL IMPACTED SOIL
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

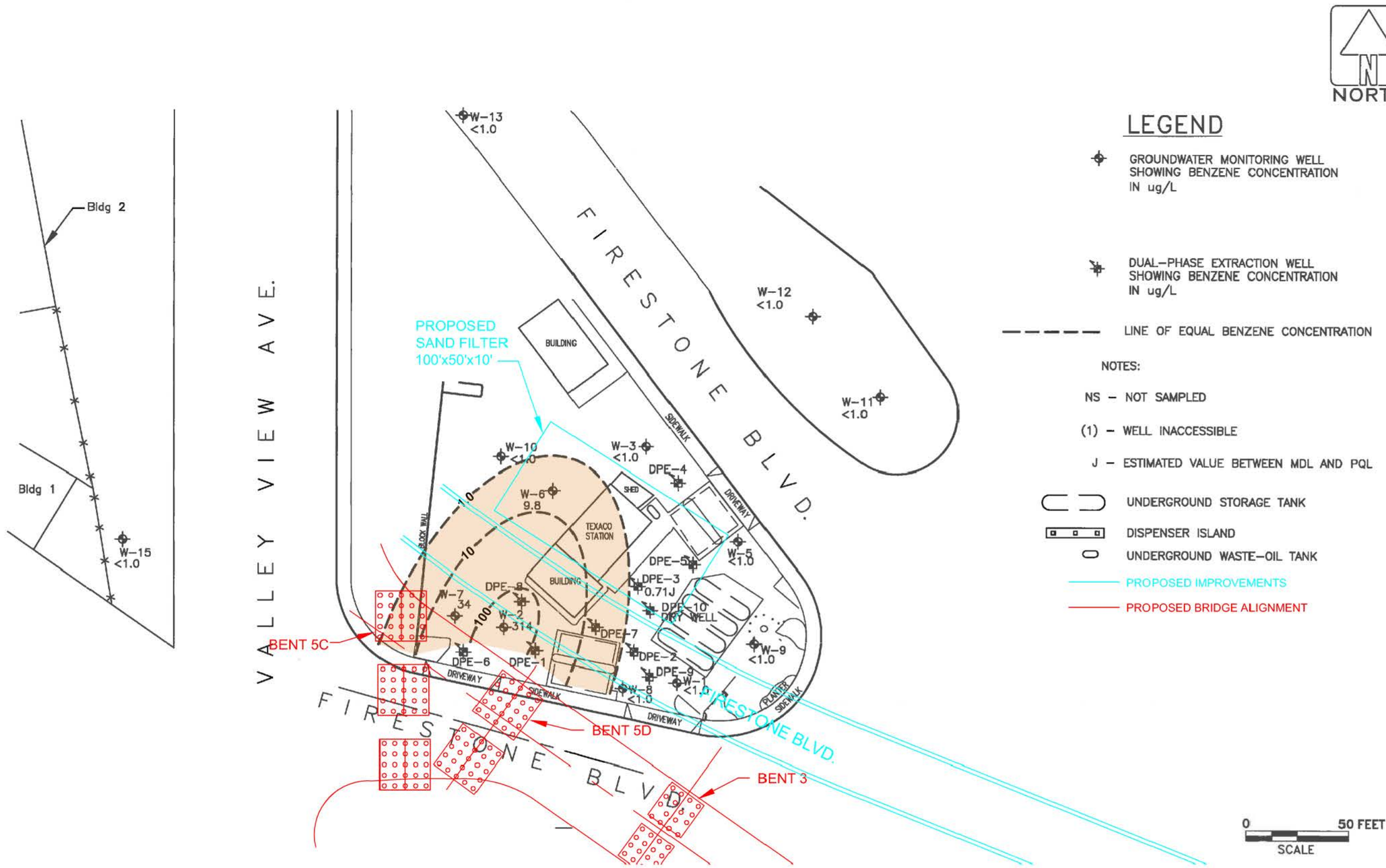
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
FORMER TEXACO SERVICE STATION
14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 10

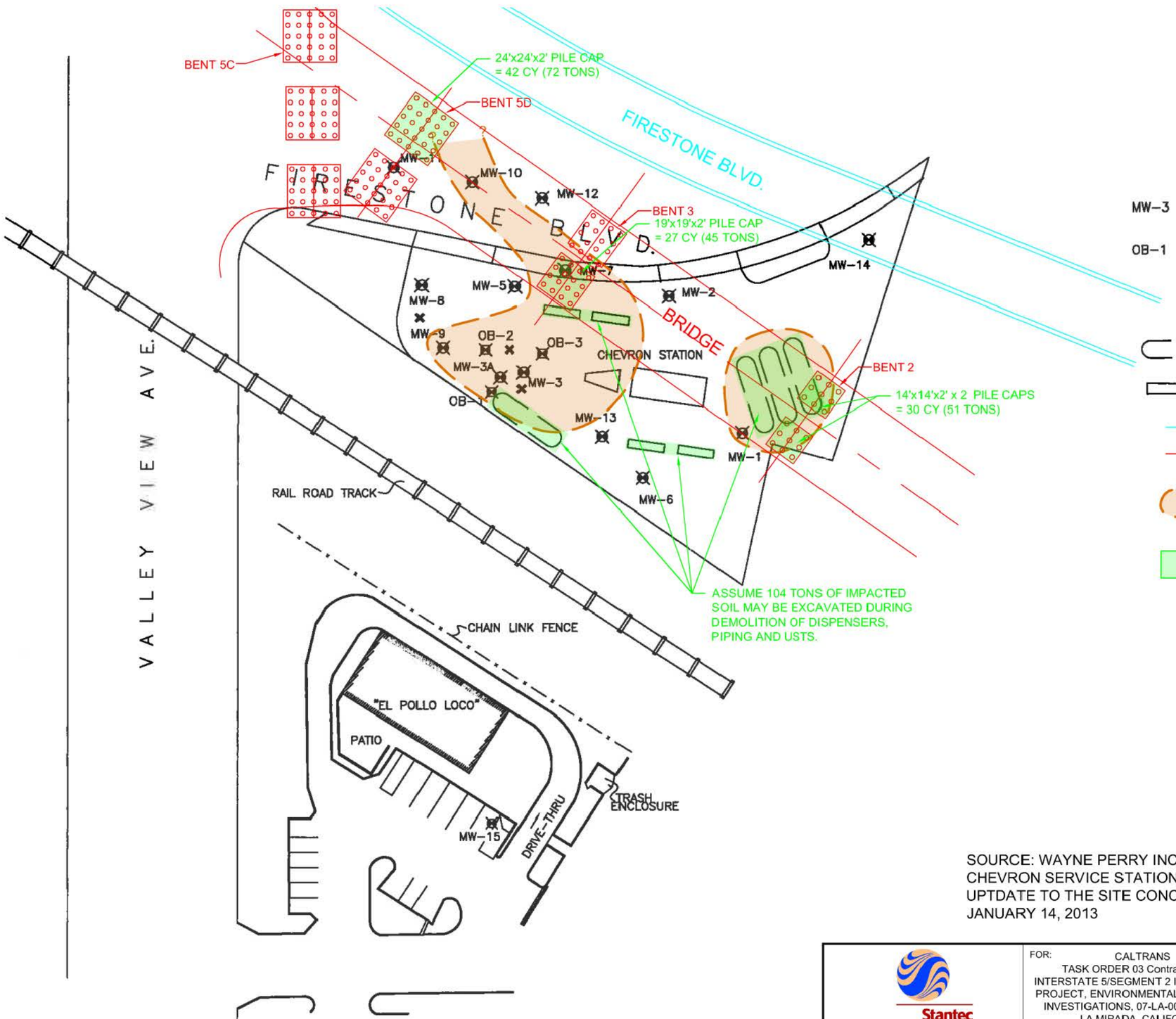
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP FORMER TEXACO SERVICE STATION 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 11
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:45||Layout: FIG 11



NORTH

LEGEND

MW-3	CHEVRON GROUNDWATER MONITORING WELL
OB-1	PIEZOMETER
	PROPOSED CONFIRMATION SOIL BORING
	UNDERGROUND STORAGE TANK
	DISPENSER ISLAND
	PROPOSED ROAD ALIGNMENT
	PROPOSED BRIDGE ALIGNMENT
	POTENTIAL IMPACTED SOIL (BASED ON LIMITED SOIL ANALYTICAL DATA AND HISTORICAL SPH WELLS WHICH MAY HAVE RESIDUAL HYDROCARBON FROM GROUNDWATER FLUCTUATION)
	EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

0 50 FEET
SCALE

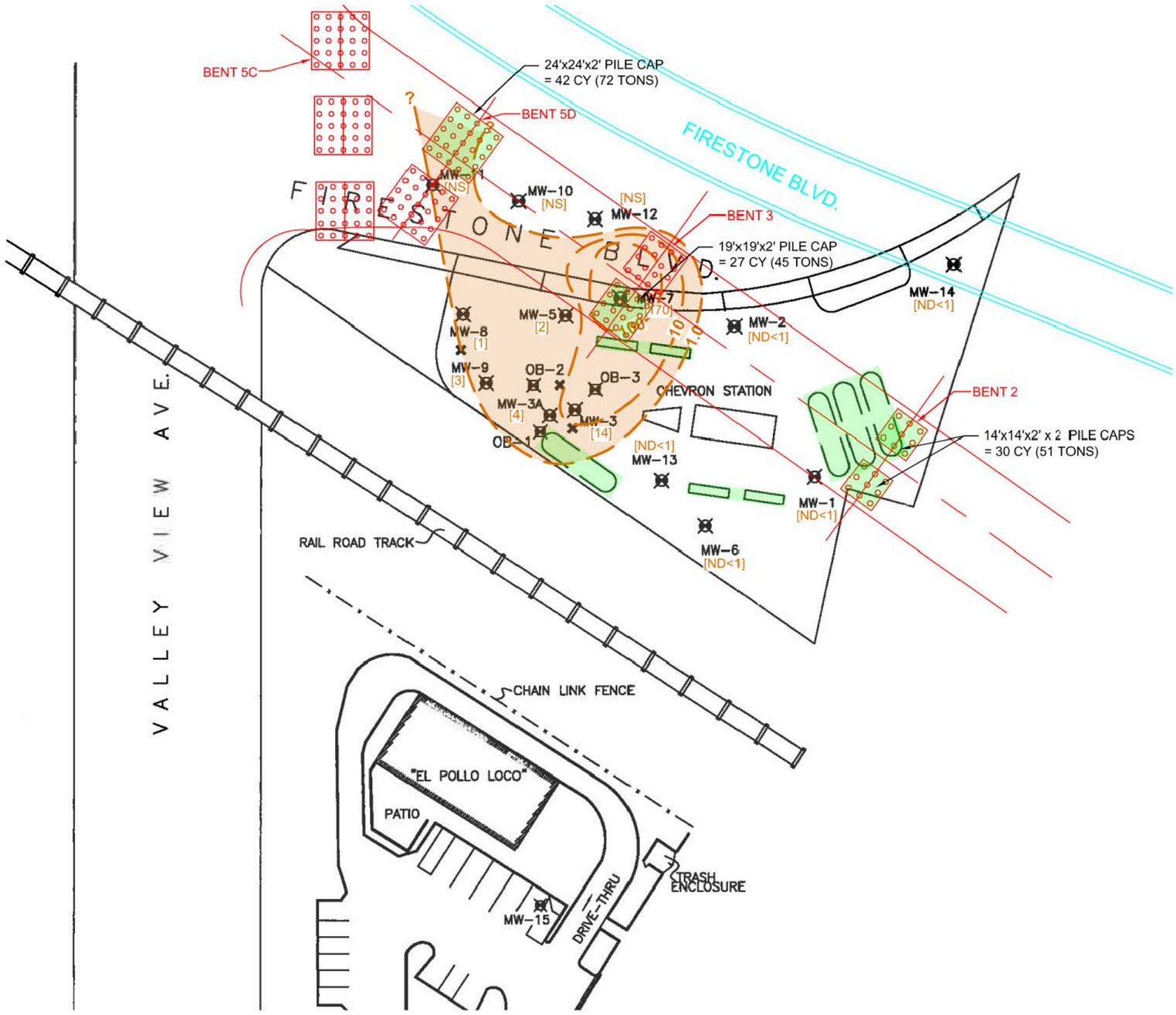
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 12

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



NORTH

LEGEND

GROUNDWATER MONITORING WELL SHOWING BENZENE CONCENTRATION IN ug/L

LINE OF EQUAL BENZENE CONCENTRATION

NOTES:

NS – NOT SAMPLED

ND – NOT DETECTED

UNDERGROUND STORAGE TANK

DISPENSER ISLAND

PROPOSED ROAD ALIGNMENT

PROPOSED BRIDGE ALIGNMENT

EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

0 50 FEET
SCALE

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

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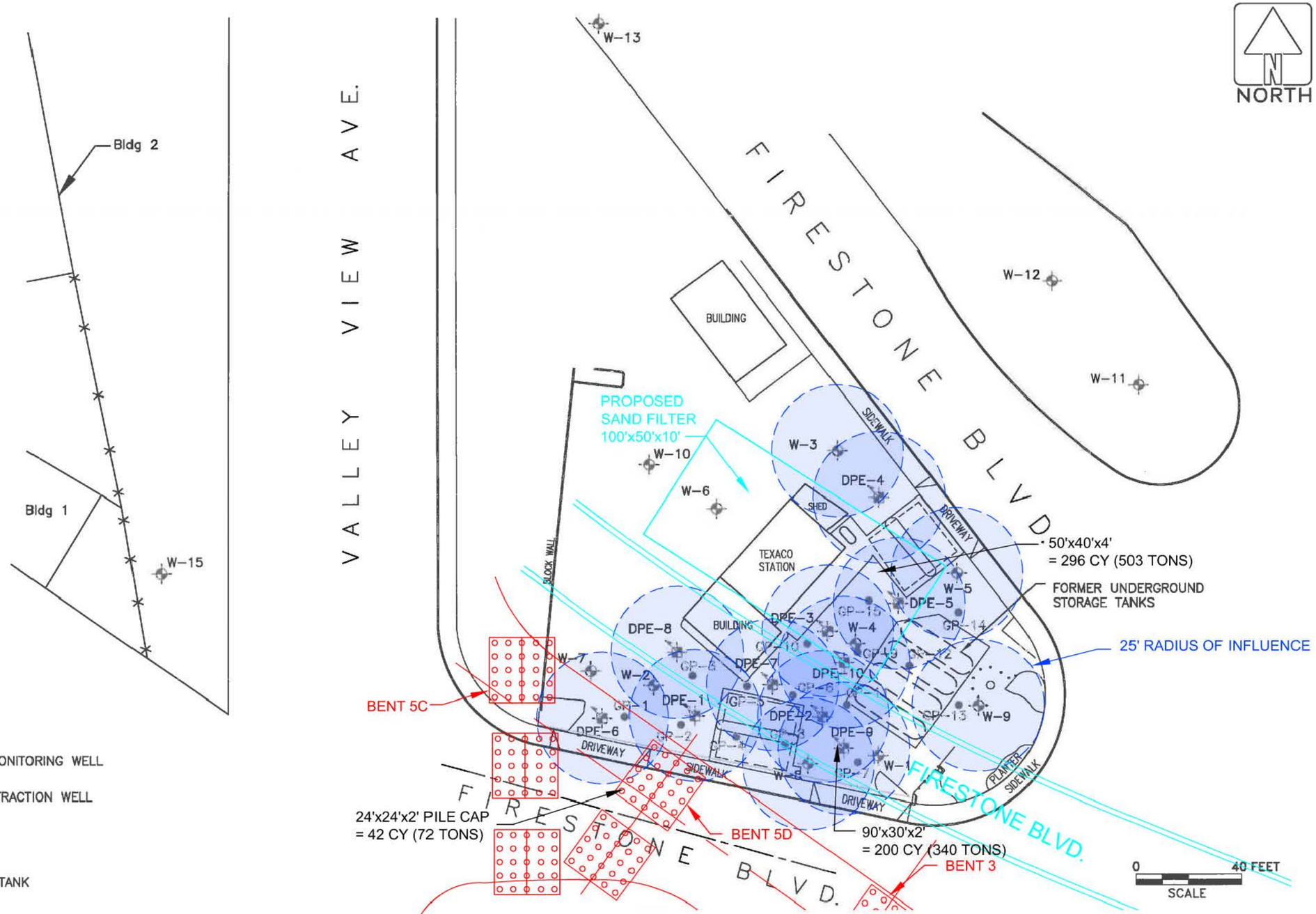
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 13

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



LEGEND

- TEXACO GROUNDWATER MONITORING WELL
- TEXACO DUAL-PHASE EXTRACTION WELL
- GEOPROBE BORING
- UNDERGROUND STORAGE TANK
- DISPENSER ISLAND
- PROPOSED IMPROVEMENTS
- PROPOSED BRIDGE ALIGNMENT

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

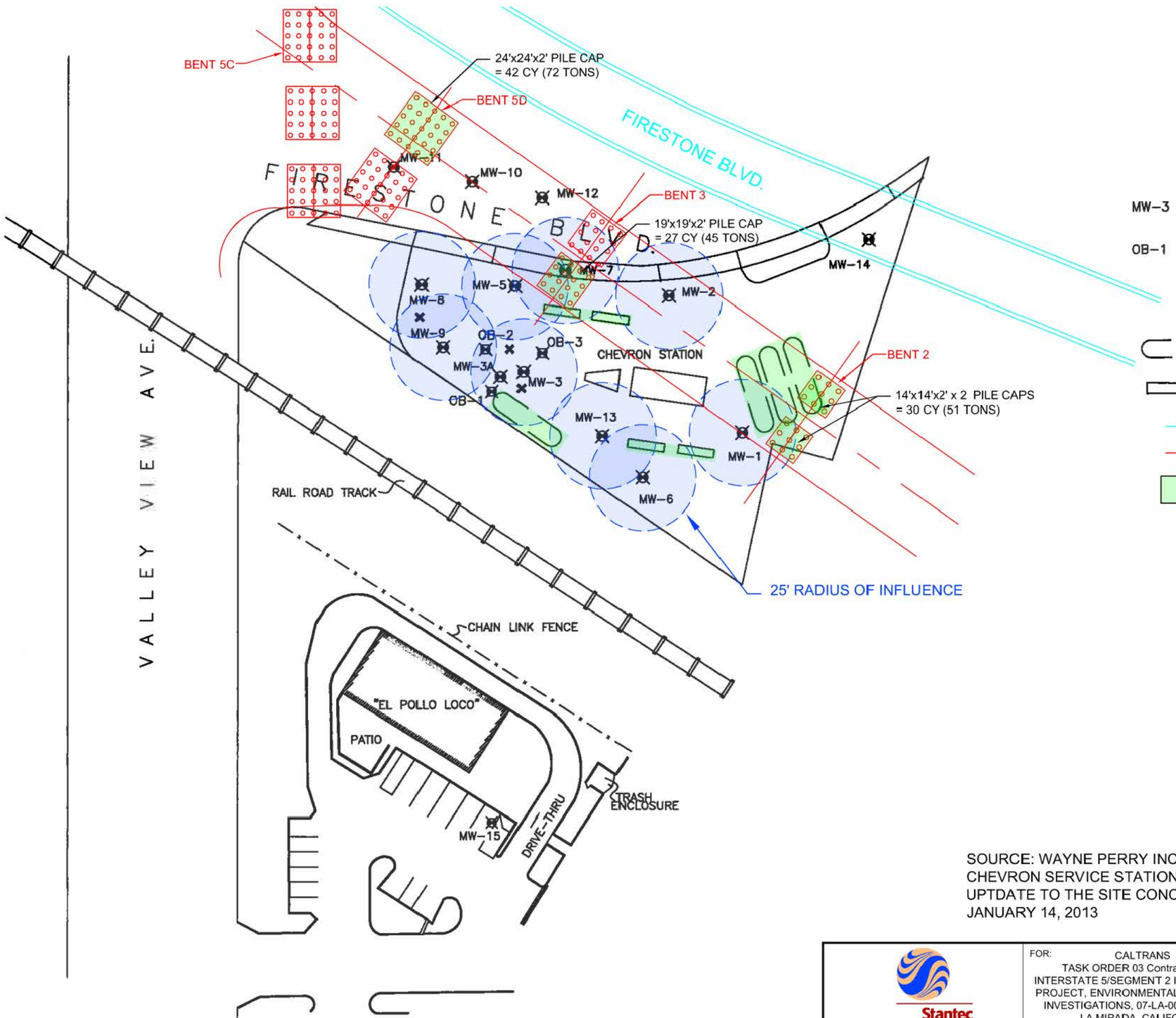
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

LIMITS OF DPE
FORMER TEXACO SERVICE STATION
14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 14

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:49||Layout: FIG 14



NORTH

LEGEND

MW-3	CHEVRON GROUNDWATER MONITORING WELL
OB-1	PIEZOMETER
	PROPOSED CONFIRMATION SOIL BORING
	UNDERGROUND STORAGE TANK
	DISPENSER ISLAND
	PROPOSED ROAD ALIGNMENT
	PROPOSED BRIDGE ALIGNMENT
	EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

0 50 FEET
SCALE

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

LIMITS OF DPE
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 15

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

Site Investigation Report
Parcel 77793 & 77794

REMEDIATION COST ESTIMATE

INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS

CALTRANS PARCELS 77793 (APN#7003-006-002) AND 77794 (APN#7003-006-003)
LOCATION: 07-LA-005, PM 0.0/1.6
07A3321-03
PROJECT NUMBER: 0700001832
EA NUMBER: 215921

STANTEC PROJECT 185831003

Submitted to:
California Department of Transportation
District 7
100 South Main Street
Los Angeles, California 90012

Submitted by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California

Prepared by:

Mike Crowley
Senior Engineer

Reviewed by:

Anne E. Perez
Associate Geologist

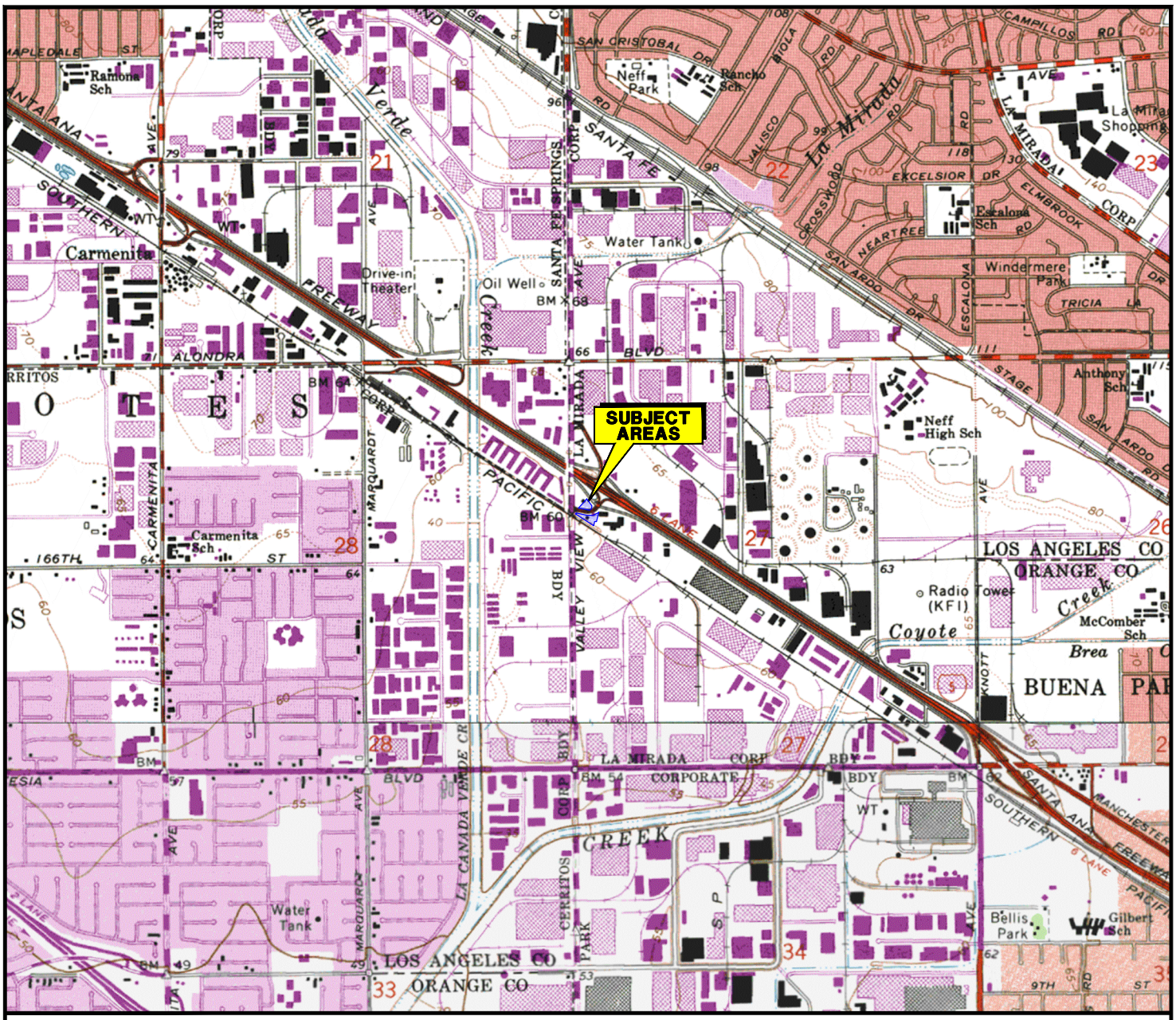
Approved by:

Kevin Miskin, P,E. C48458
Principal Engineer

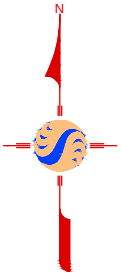
REGISTERED PROFESSIONAL ENGINEER
KEVIN KOY MISKIN
No. C48458
Exp. 6/14
CIVIL
STATE OF CALIFORNIA

August 5, 2013

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, WHITTIER QUADRANGLE, 1965
PHOTOREVISED 1981
LOS ALAMITOS QUADRANGLE, 1964
PHOTOREVISED 1981



0 2000 4000

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 332-6116 FAX: (909) 556-6516

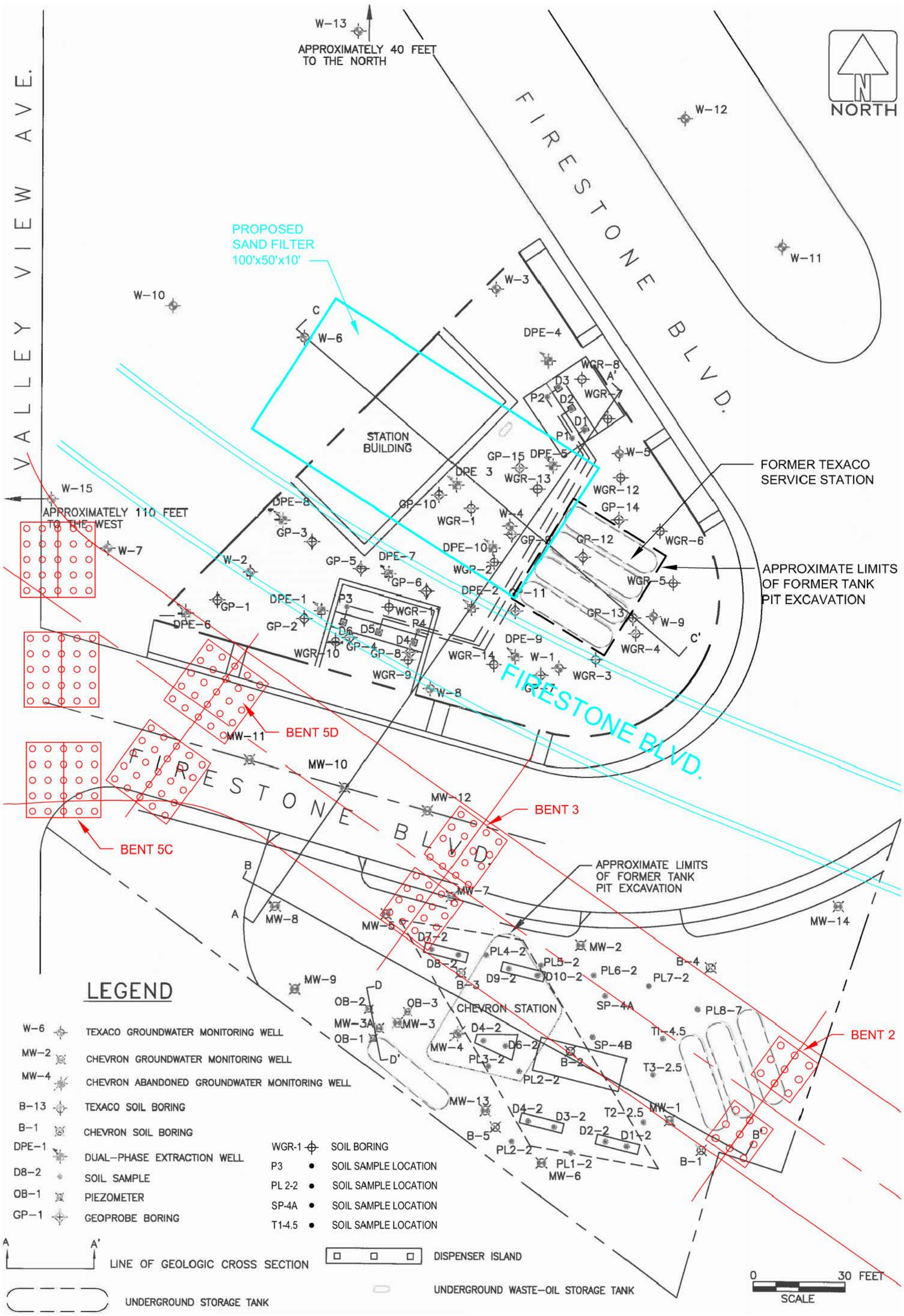
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SITE LOCATION MAP
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_SLM.dwg|troman|Jul 02, 2013 at 9:10|Layout: F1



LEGEND

W-6	TEXACO GROUNDWATER MONITORING WELL
MW-2	CHEVRON GROUNDWATER MONITORING WELL
MW-4	CHEVRON ABANDONED GROUNDWATER MONITORING WELL
B-13	TEXACO SOIL BORING
B-1	CHEVRON SOIL BORING
DPE-1	DUAL-PHASE EXTRACTION WELL
D8-2	SOIL SAMPLE
OB-1	PIEZOMETER
GP-1	GEOPROBE BORING
WGR-1	SOIL BORING
P3	SOIL SAMPLE LOCATION
PL 2-2	SOIL SAMPLE LOCATION
SP-4A	SOIL SAMPLE LOCATION
T1-4.5	SOIL SAMPLE LOCATION
A — A'	LINE OF GEOLOGIC CROSS SECTION
	DISPENSER ISLAND
	UNDERGROUND STORAGE TANK
	UNDERGROUND WASTE-OIL STORAGE TANK
	PROPOSED IMPROVEMENTS
	PROPOSED BRIDGE ALIGNMENT, BENTS, PILING

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

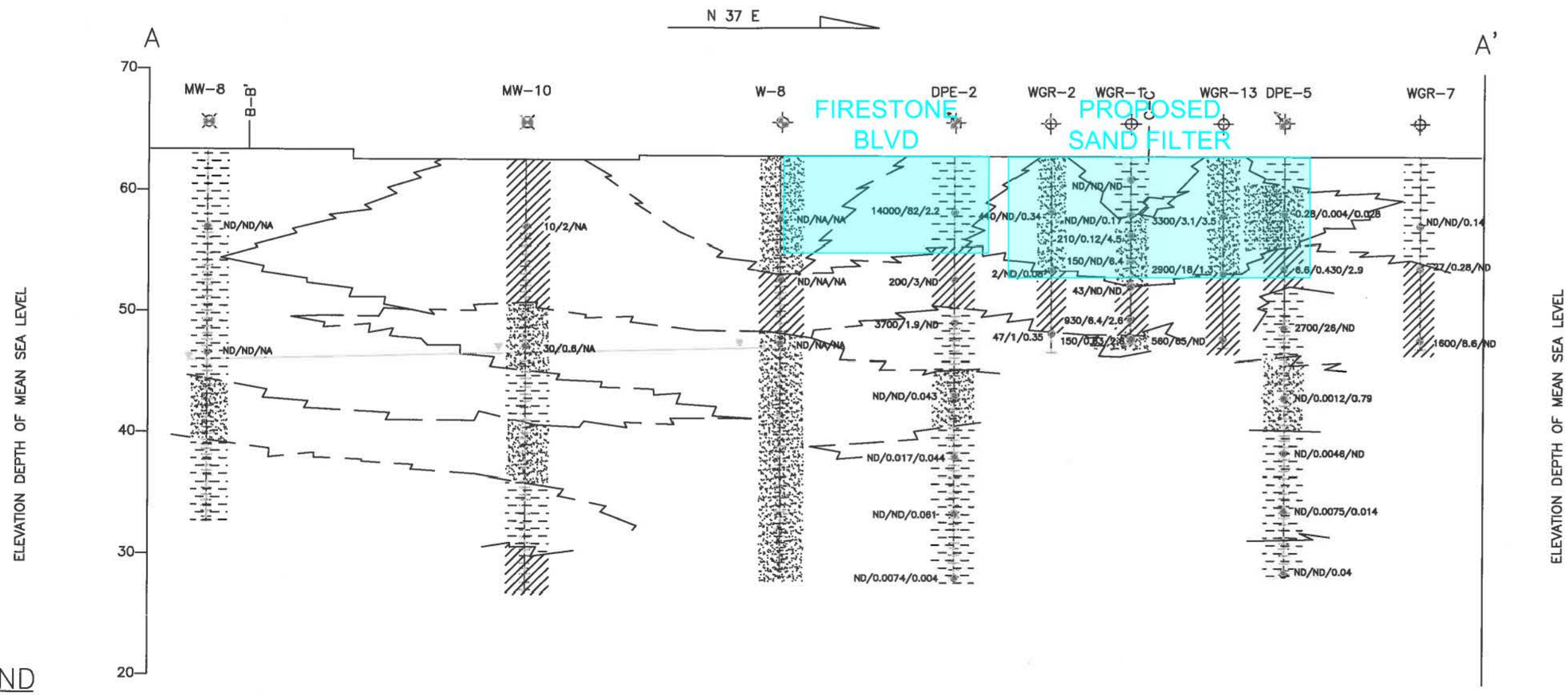
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PLOT PLAN WITH CROSS SECTIONS
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Aug 01, 2013 at 9:56|Layout: FIG 2



LEGEND

- TEXACO GROUNDWATER MONITORING WELL
- CHEVRON GROUNDWATER MONITORING WELL
- DUAL-PHASE EXTRACTION WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)
- PROPOSED IMPROVEMENTS

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE

- CLAYEY SILT, SILTY CLAY
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

10' 0 20'
SCALE:
VERTICAL 1" =10'
HORIZONTAL 1" = 20'

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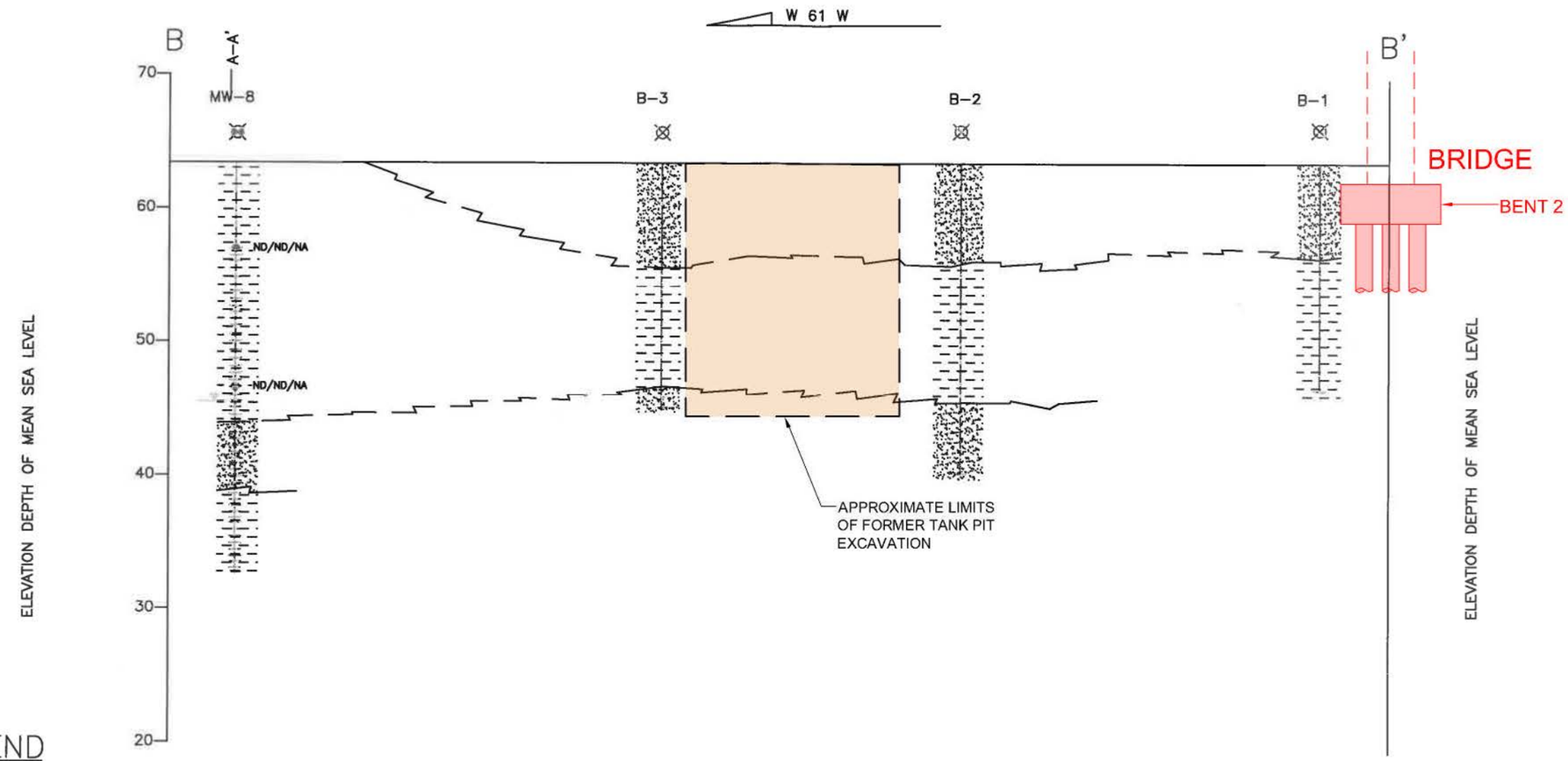
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA		GEOLOGICAL CROSS-SECTION A-A' CHEVRON SERVICE STATION 9-5868 FORMER TEXACO SERVICE STATION 14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 3
JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013



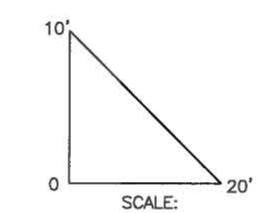
LEGEND

- CHEVRON GROUNDWATER MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)
- PROPOSED BRIDGE ALIGNMENT
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012



SCALE:
VERTICAL 1" =10'
HORIZONTAL 1" = 20'

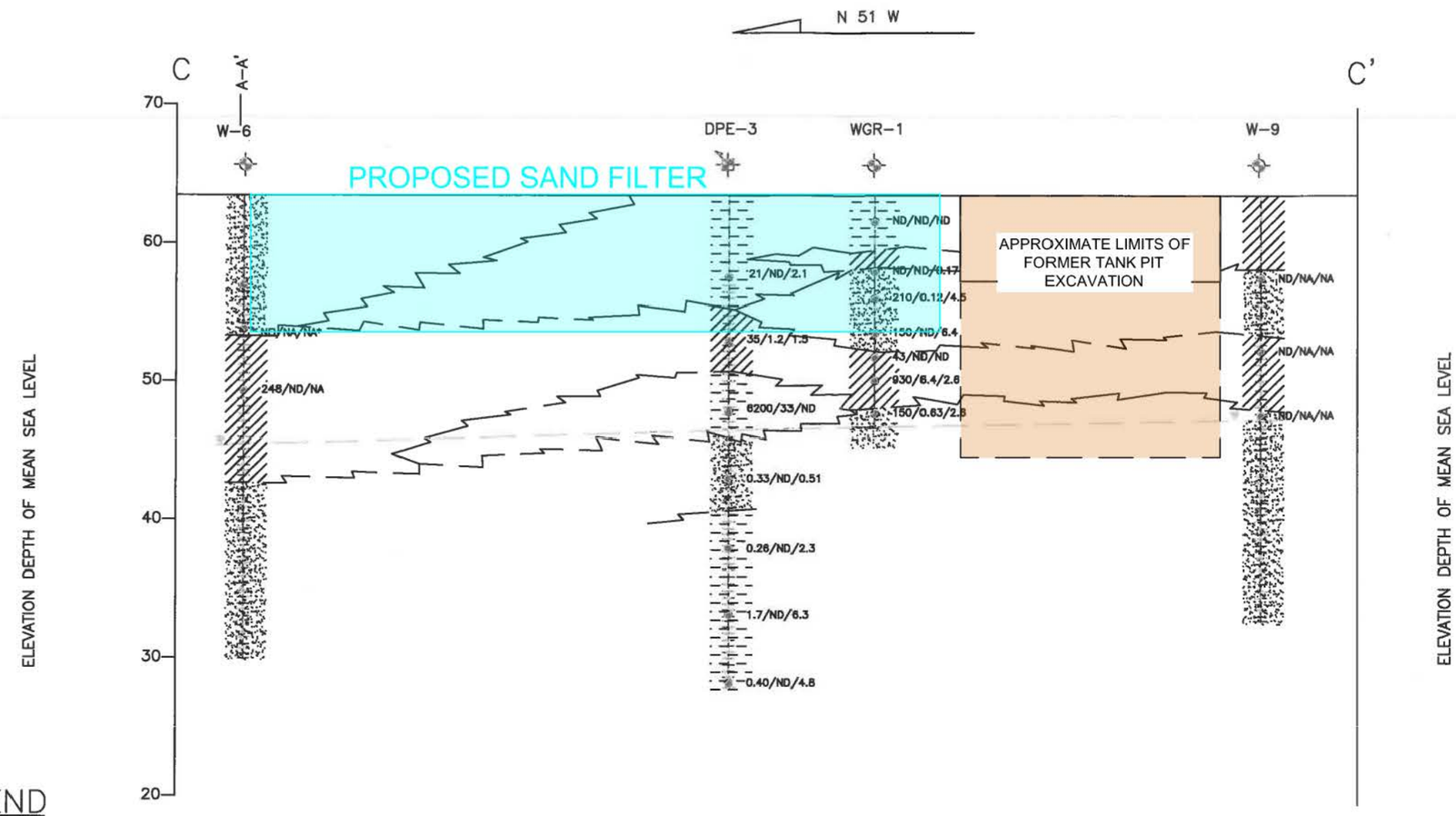
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

GEOLOGICAL CROSS-SECTION B-B'
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



LEGEND

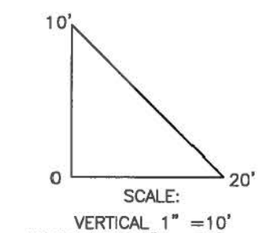
- DUAL-PHASE EXTRACTION WELL
- TEXACO GROUNDWATER MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- GROUNDWATER MONITORING WELL SCREEN INTERVAL
- GROUNDWATER ELEVATION (02/06/02)

NOTES:

ND/ND/ND TPH-G/BENZENE/ MTBE CONCENTRATIONS IN mg/kg
DIRECTION LIMITS ARE NOTED IN TABLE 3 AND 4
NA – NOT APPLICABLE
* – COMPOSITED WITH 5 FOOT SAMPLE

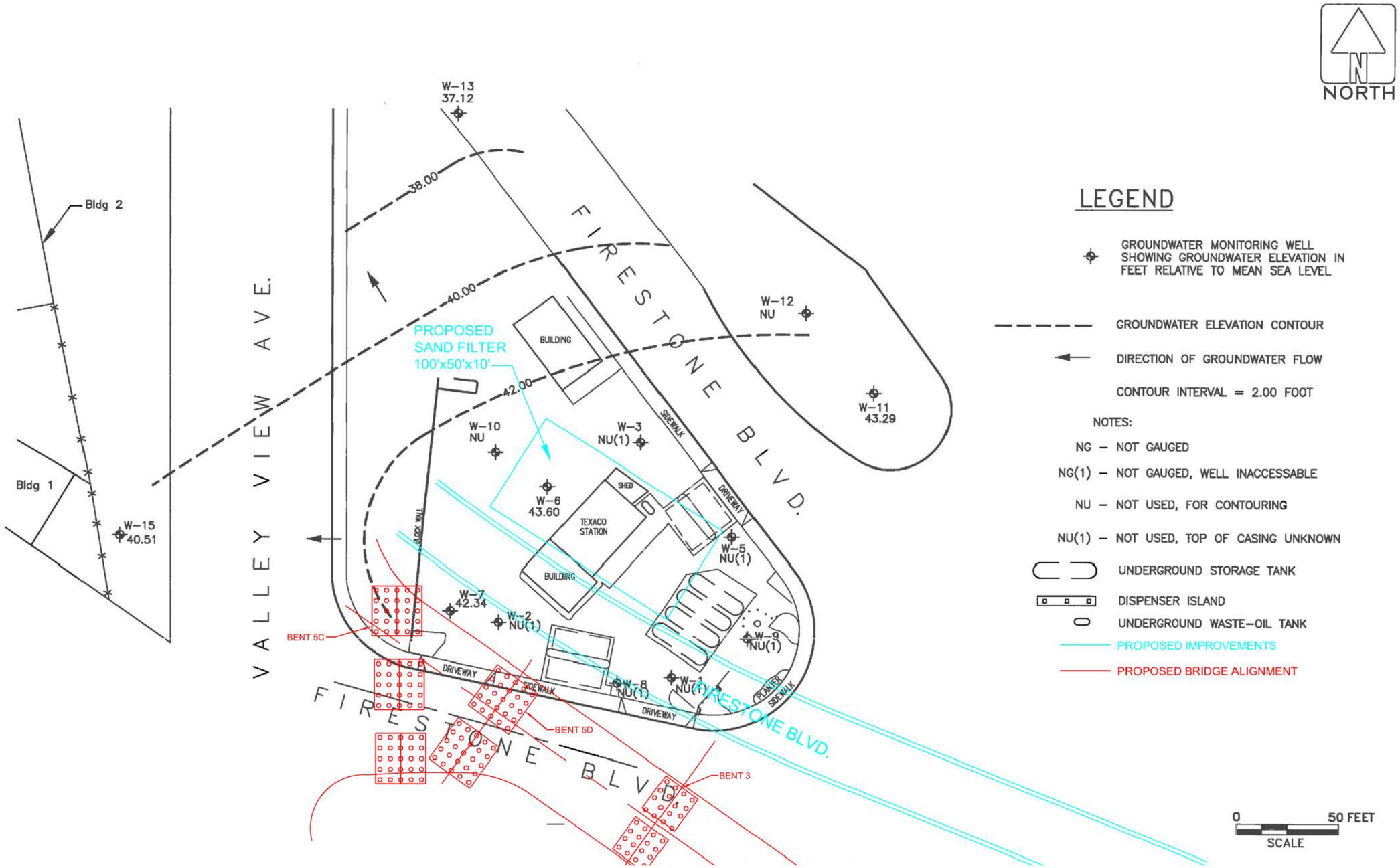
- CLAYEY SILT, SILTY CLAY
- SILT, SANDY SILT
- SAND, SILTY SAND, CLAYEY SAND

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012



Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GEOLOGICAL CROSS-SECTION C-C' CHEVRON SERVICE STATION 9-5868 FORMER TEXACO SERVICE STATION 14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 5
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

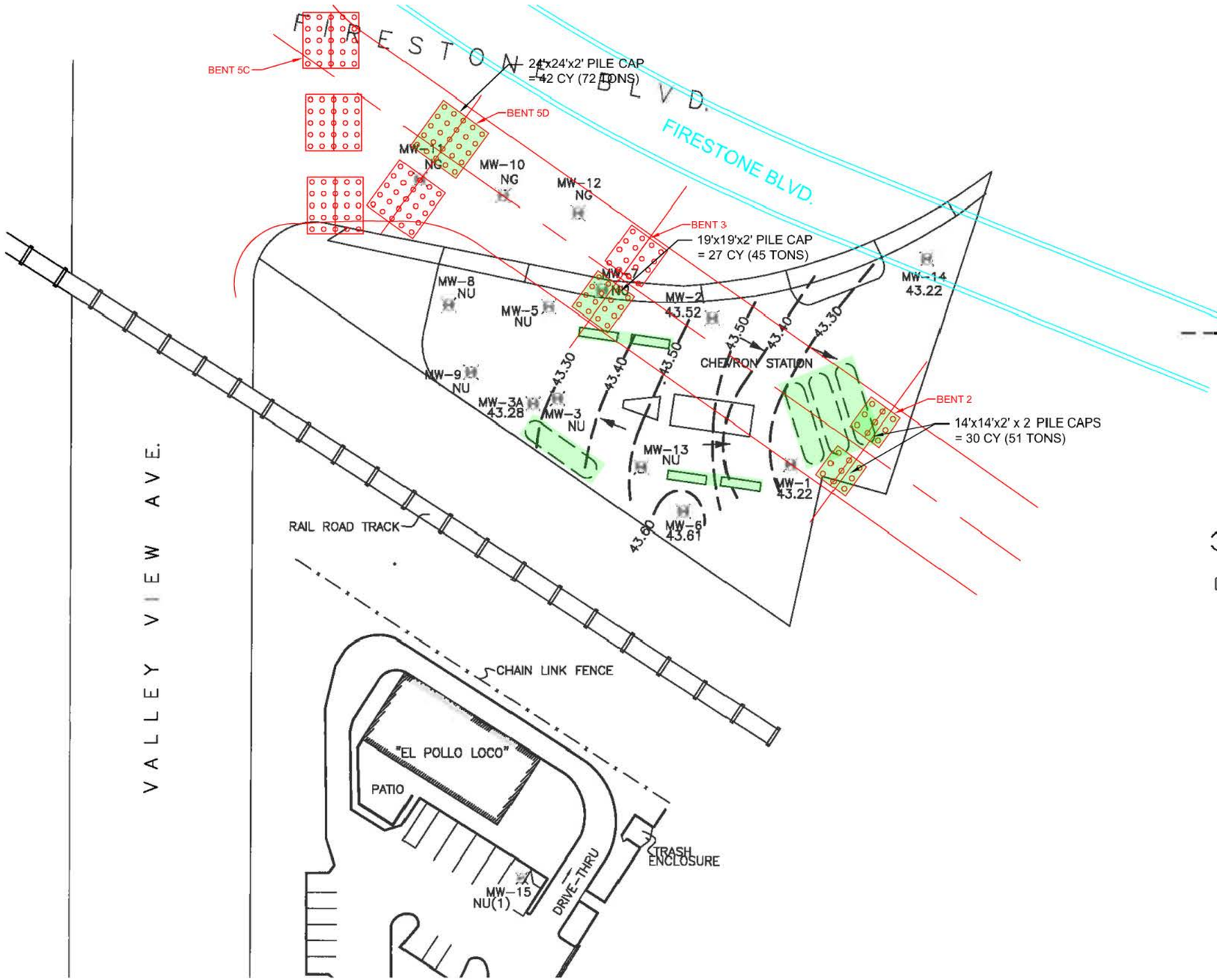
FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Aug 01, 2013 at 10:20|Layout: FIG 5



SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GROUNDWATER ELEVATION CONTOUR MAP (8-21-2012) FORMER TEXACO SERVICE STATION 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 6
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:44||Layout: FIG 6



NORTH

LEGEND

GROUNDWATER MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL

GROUNDWATER ELEVATION CONTOUR

DIRECTION OF GROUNDWATER FLOW

CONTOUR INTERVAL = 0.10 FOOT

NOTES:

NG – NOT GAUGED

NU – NOT USED FOR CONTOURING FORMER REMEDIATION WELL

UNDERGROUND STORAGE TANK

DISPENSER ISLAND

PROPOSED ROAD ALIGNMENT

PROPOSED BRIDGE ALIGNMENT

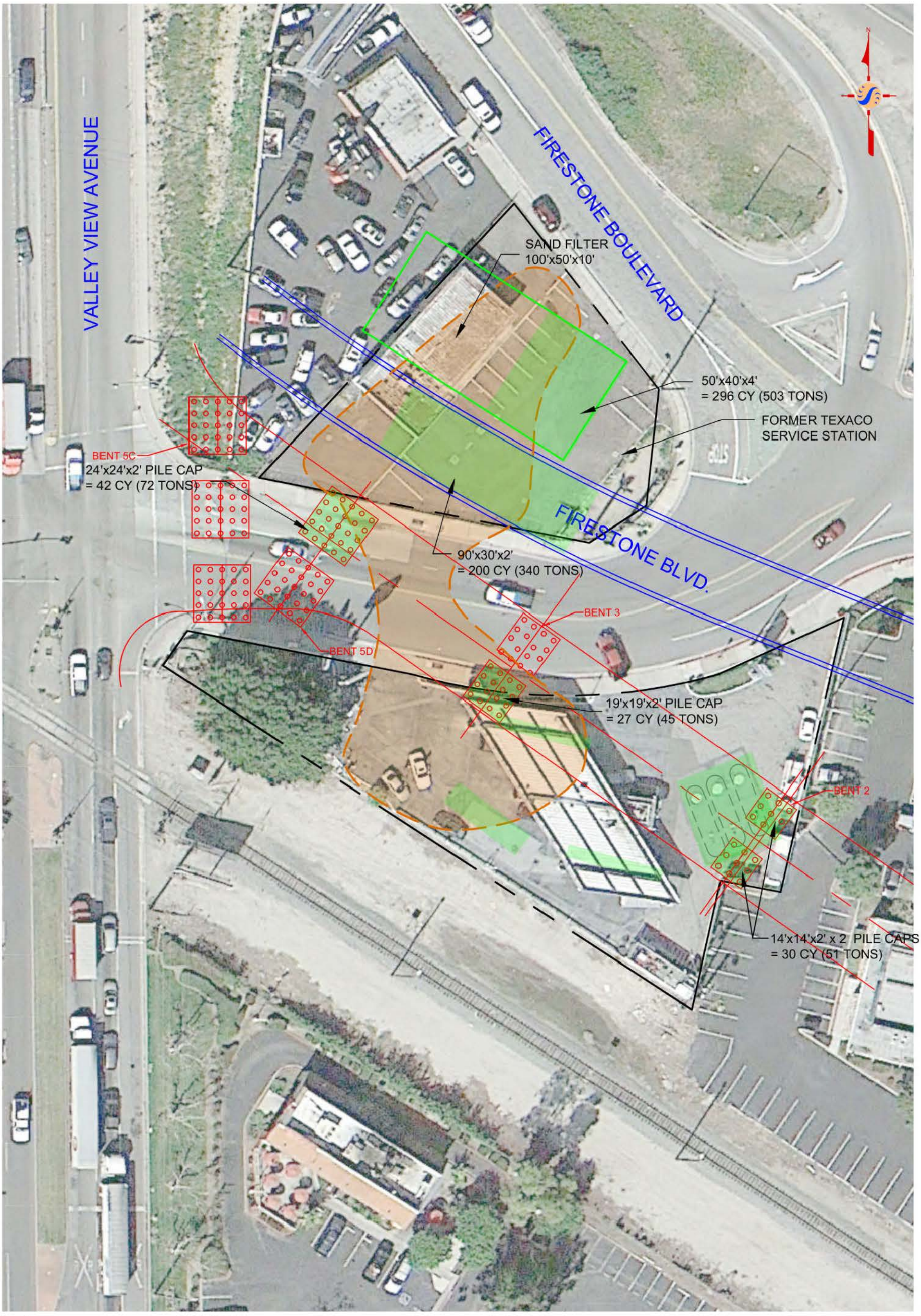
EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

0 50 FEET
SCALE

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA		GROUNDWATER ELEVATION CONTOUR MAP (8-21-2012) CHEVRON SERVICE STATION 9-5868 14240 E. FIRESTONE BLVD. LA MIRADA, CA	FIGURE: 7
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Chevron3.dwg|mrcrowley|Jul 31, 2013 at 8:41||Layout: FIG 7



LEGEND

- PROPOSED ROAD ALIGNMENT
- PROPOSED BRIDGE ALIGNMENT, BENTS, PILING
- POTENTIAL IMPACTED SOIL (BASED ON LIMITED PRE-REMEDIATION SOIL ANALYTICAL DATA AND HISTORICAL SPH WELLS WHICH MAY HAVE RESIDUAL HYDROCARBON FROM GROUNDWATER FLUCTUATION)
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: GOOGLE EARTH AERIAL IMAGED, DATED MARCH 7, 2011.

0 40 80

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

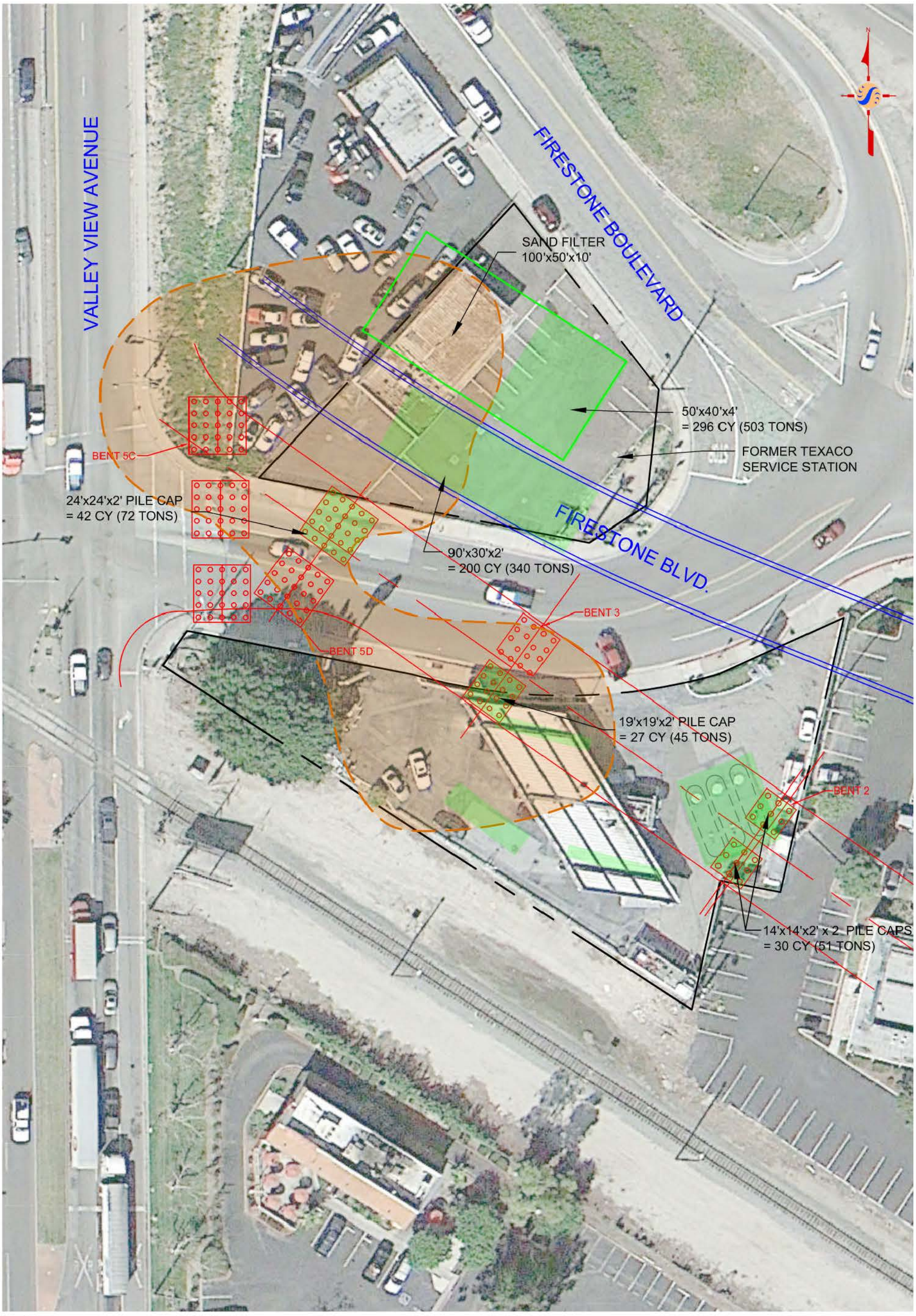
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PRE-REMEDIATION SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 8

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_Aerial3.dwg|mrcrowley|Jul 31, 2013 at 9:18|Layout: FIG 8



LEGEND

- PROPOSED ROAD ALIGNMENT
- PROPOSED BRIDGE ALIGNMENT, BENTS, PILING
- ESTIMATED PLUME DELINEATION OF GASOLINE CONSTITUENTS ABOVE MCL
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: GOOGLE EARTH AERIAL IMAGED, DATED MARCH 7, 2011.

0 40 80

APPROXIMATE SCALE (FEET)

Stantec
25864 - F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 332-6116 FAX:(909) 556-6516

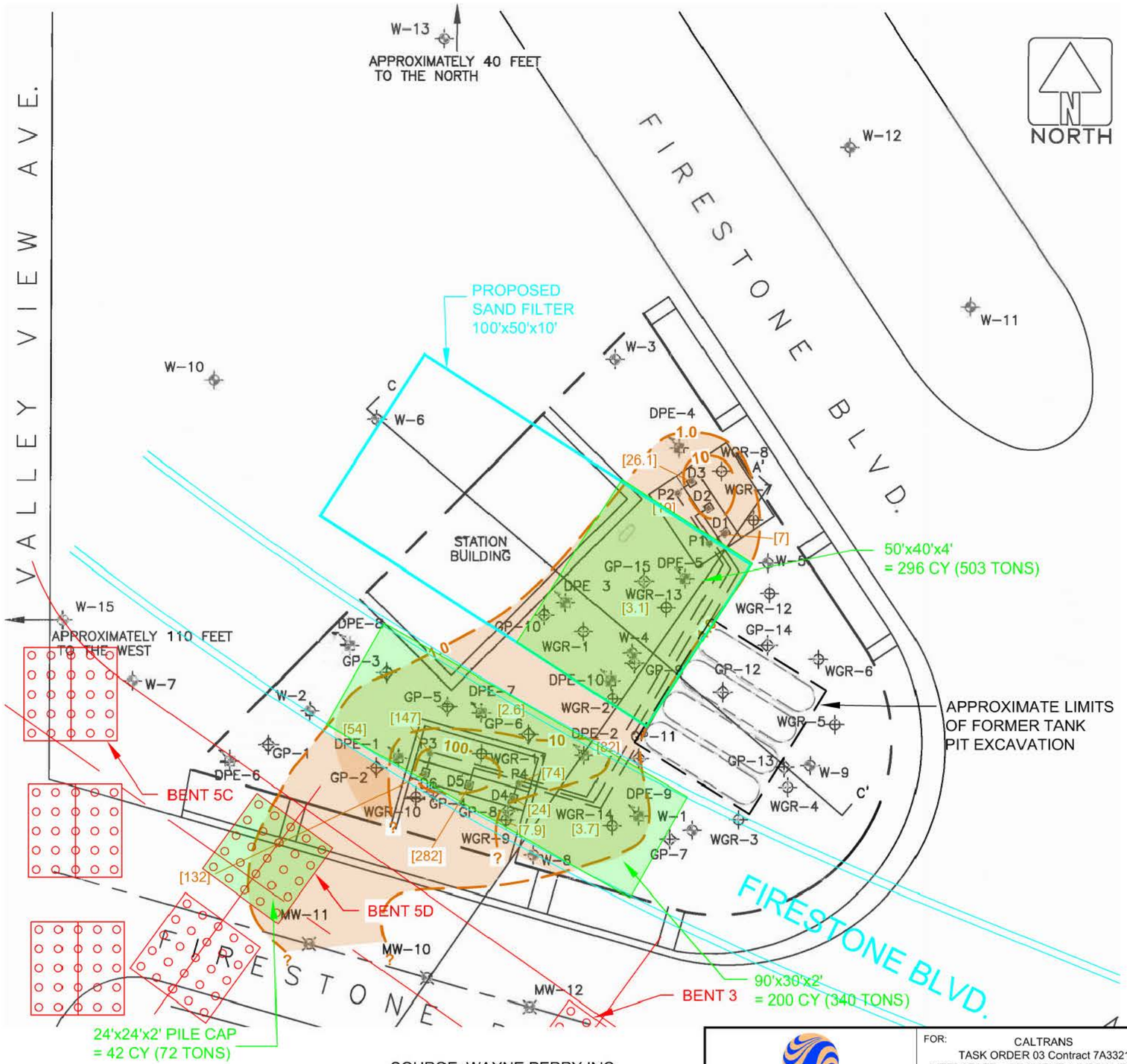
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

PRE-REMEDIATION GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP
CHEVRON SERVICE STATION 9-5868
FORMER TEXACO SERVICE STATION
14240 & 14220 E. FIRESTONE BLVD. LA MIRADA, CA

FIGURE: 9

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans_Chevron-Texaco_Aerial3.dwg|mrcrowley|Jul 31, 2013 at 9:17|Layout: FIG 9



LEGEND

- W-6 TEXACO GROUNDWATER MONITORING WELL
- MW-2 CHEVRON GROUNDWATER MONITORING WELL
- MW-4 CHEVRON ABANDONED GROUNDWATER MONITORING WELL
- B-13 TEXACO SOIL BORING
- B-1 CHEVRON SOIL BORING
- DPE-1 DUAL-PHASE EXTRACTION WELL
- D8-2 SOIL SAMPLE
- OB-1 PIEZOMETER
- GP-1 GEOPROBE BORING
- A A' LINE OF GEOLOGIC CROSS SECTION
- UNDERGROUND STORAGE TANK
- DISPENSER ISLAND
- UNDERGROUND WASTE-OIL STORAGE TANK
- PROPOSED IMPROVEMENTS
- PROPOSED BRIDGE ALIGNMENT
- LINE OF EQUAL BENZENE CONCENTRATION (mg/Kg)
- POTENTIAL IMPACTED SOIL
- EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
REQUEST FOR SITE CLOSURE
AUGUST 8, 2012

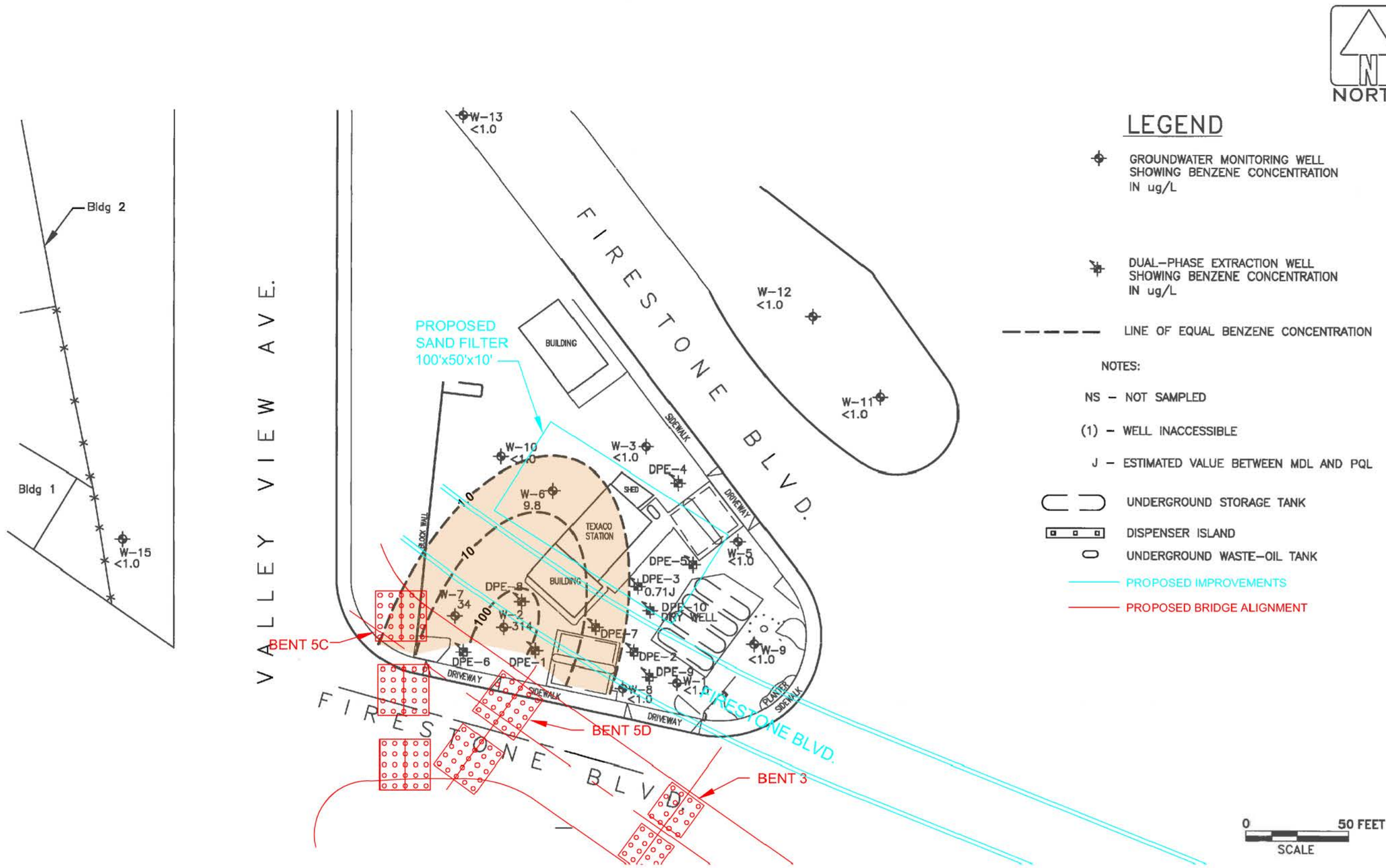
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
FORMER TEXACO SERVICE STATION
14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 10

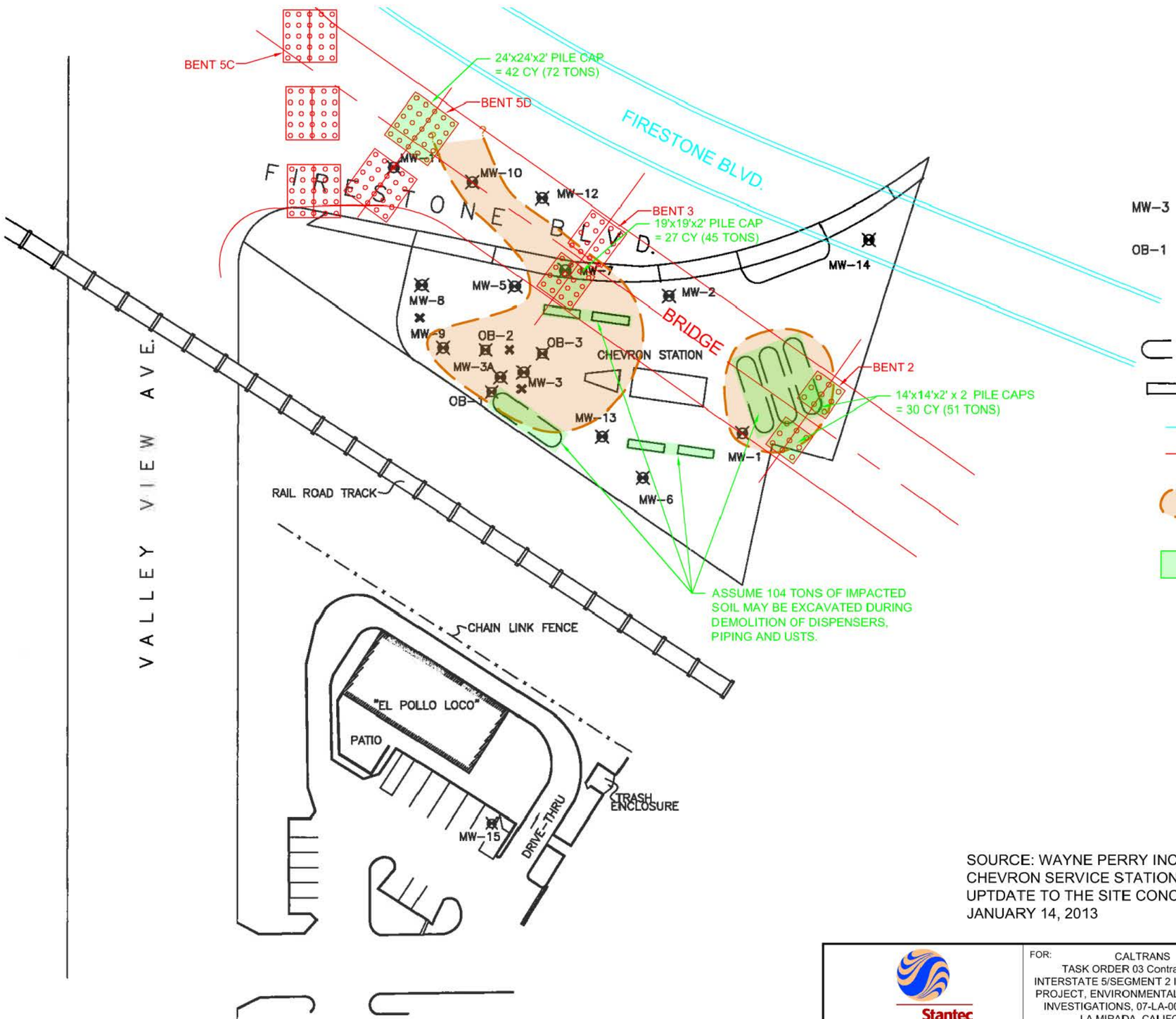
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE:(909) 335-6116 FAX:(909) 556-6516	FOR: CALTRANS TASK ORDER 03 Contract 7A3321 INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6 LA MIRADA, CALIFORNIA	GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP FORMER TEXACO SERVICE STATION 14220 E. FIRESTONE BLVD. LA MIRADA, CA		FIGURE: 11
	JOB NUMBER: 185831003	DRAWN BY: MC	CHECKED BY:	APPROVED BY: KM	DATE: JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:45||Layout: FIG 11



NORTH

LEGEND

MW-3	CHEVRON GROUNDWATER MONITORING WELL
OB-1	PIEZOMETER
	PROPOSED CONFIRMATION SOIL BORING
	UNDERGROUND STORAGE TANK
	DISPENSER ISLAND
	PROPOSED ROAD ALIGNMENT
	PROPOSED BRIDGE ALIGNMENT
	POTENTIAL IMPACTED SOIL (BASED ON LIMITED SOIL ANALYTICAL DATA AND HISTORICAL SPH WELLS WHICH MAY HAVE RESIDUAL HYDROCARBON FROM GROUNDWATER FLUCTUATION)
	EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

0 50 FEET
SCALE

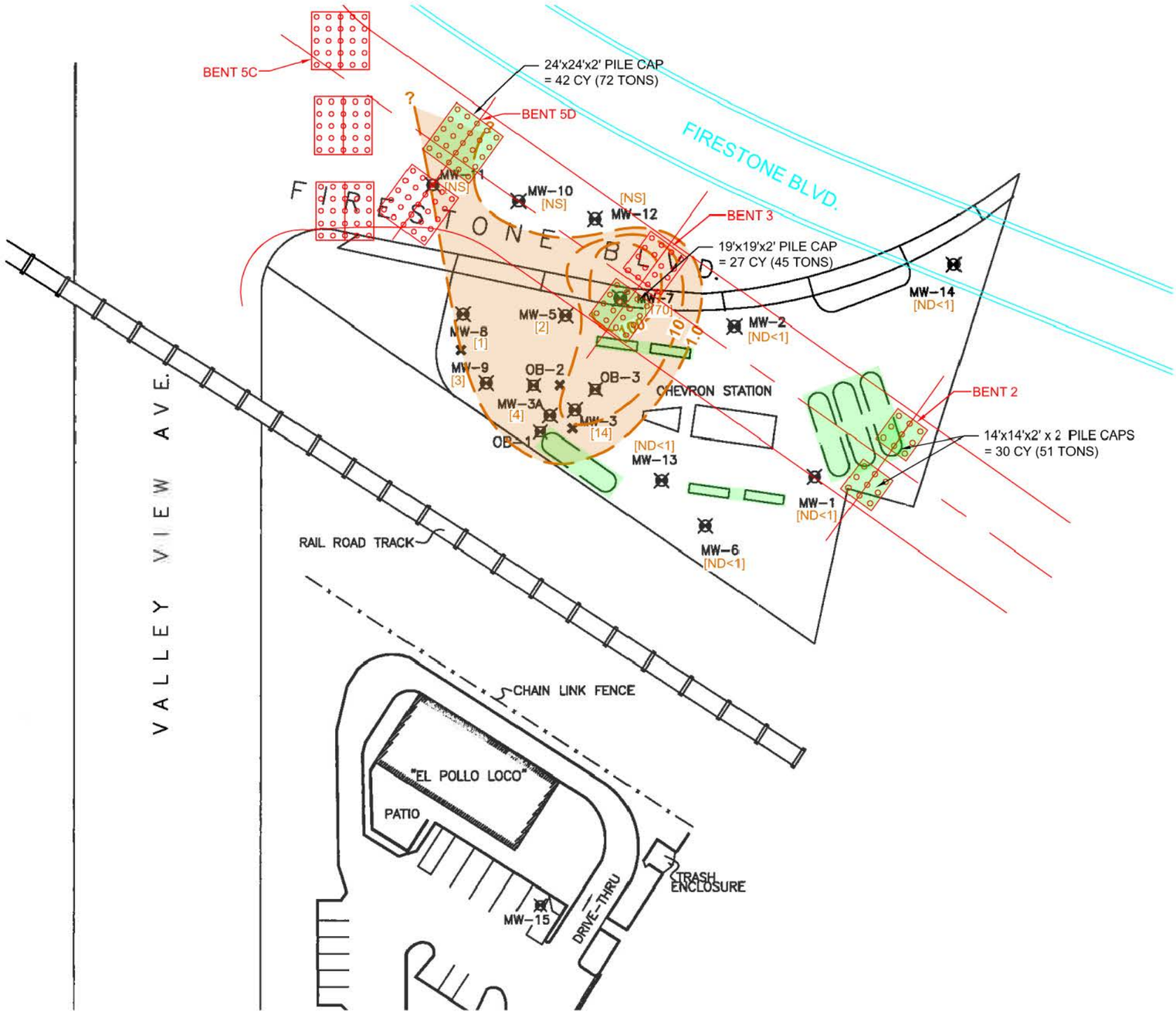
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

SOIL PETROLEUM HYDROCARBON DISTRIBUTION MAP ABOVE RSL
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 12

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



NORTH

LEGEND

GROUNDWATER MONITORING WELL SHOWING BENZENE CONCENTRATION IN ug/L

LINE OF EQUAL BENZENE CONCENTRATION

NOTES:

NS – NOT SAMPLED

ND – NOT DETECTED

UNDERGROUND STORAGE TANK

DISPENSER ISLAND

PROPOSED ROAD ALIGNMENT

PROPOSED BRIDGE ALIGNMENT

EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

0 50 FEET
SCALE

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

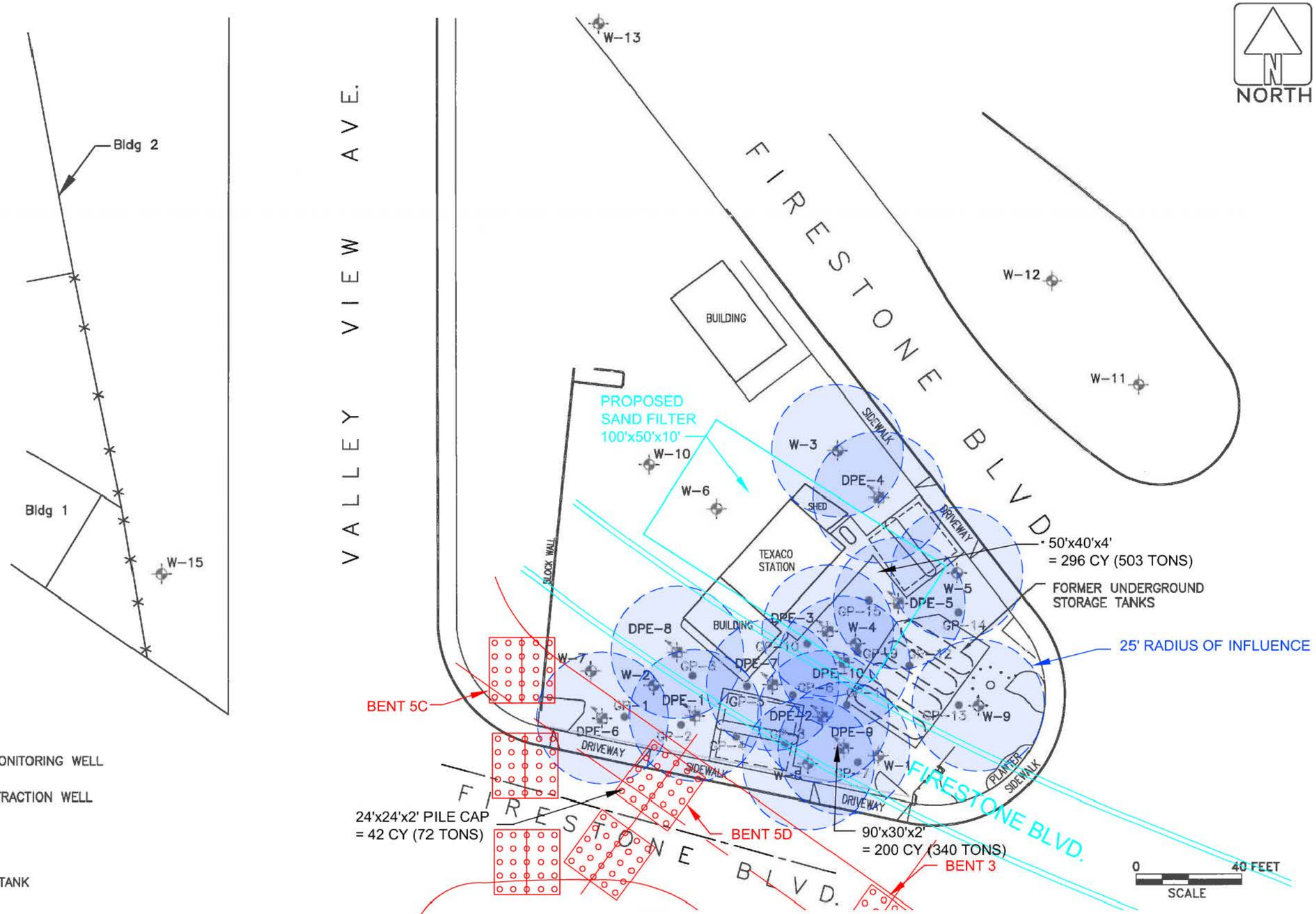
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

GROUNDWATER PETROLEUM HYDROCARBON DISTRIBUTION MAP
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 13

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013



LEGEND

- TEXACO GROUNDWATER MONITORING WELL
- TEXACO DUAL-PHASE EXTRACTION WELL
- GEOPROBE BORING
- UNDERGROUND STORAGE TANK
- DISPENSER ISLAND
- PROPOSED IMPROVEMENTS
- PROPOSED BRIDGE ALIGNMENT

SOURCE: WAYNE PERRY INC.
FORMER TEXACO SERVICE STATION
UPDATE TO SCM THIRD QUARTER 2012
OCTOBER 10, 2012

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

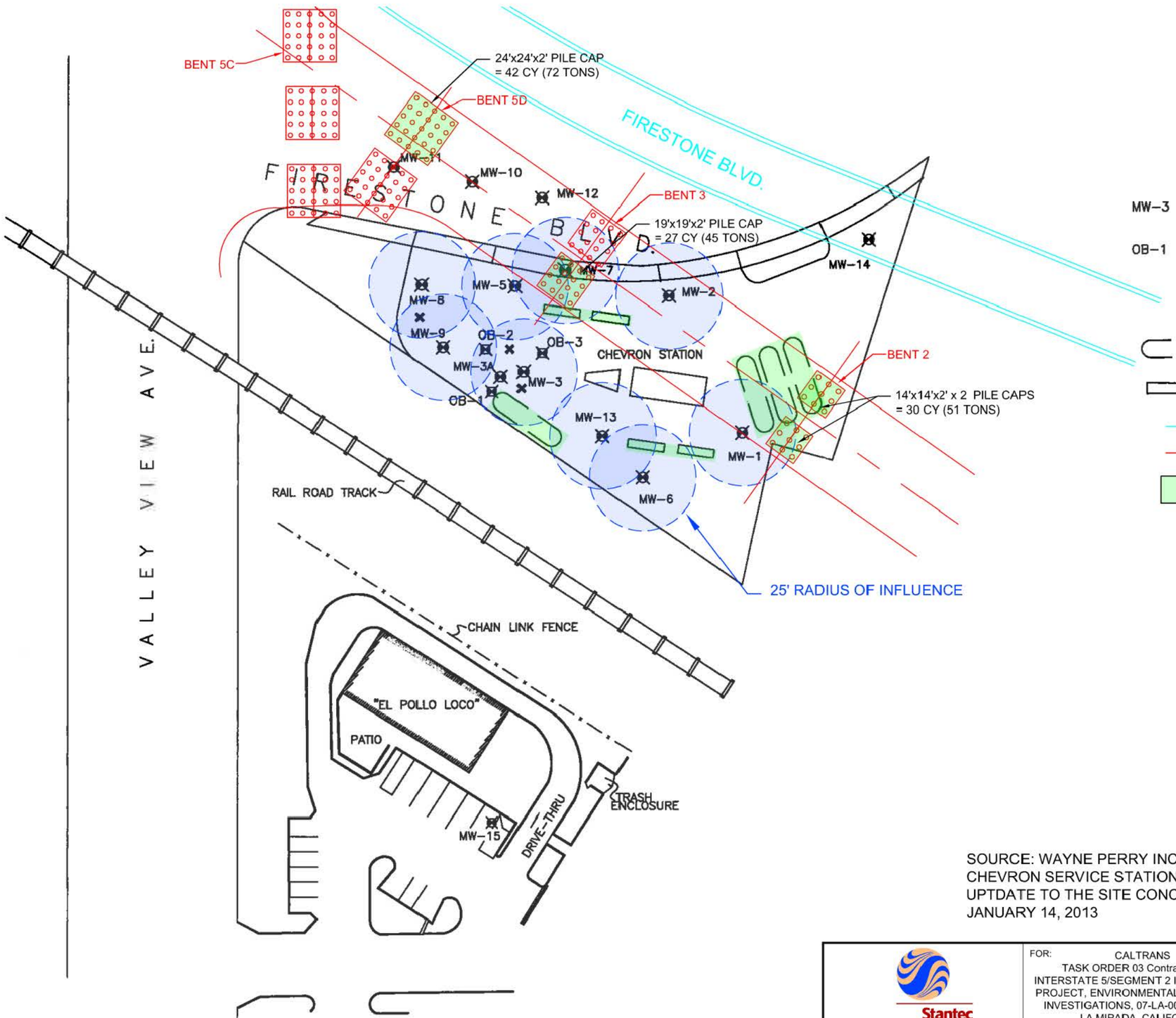
FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

LIMITS OF DPE
FORMER TEXACO SERVICE STATION
14220 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 14

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

FILEPATH:P:\t_roman\CALTRANS\Caltrans - Texaco3.dwg|mrcrowley|Aug 01, 2013 at 9:49||Layout: FIG 14



NORTH

LEGEND

MW-3	CHEVRON GROUNDWATER MONITORING WELL
OB-1	PIEZOMETER
	PROPOSED CONFIRMATION SOIL BORING
	UNDERGROUND STORAGE TANK
	DISPENSER ISLAND
	PROPOSED ROAD ALIGNMENT
	PROPOSED BRIDGE ALIGNMENT
	EXPECTED AREA WHERE TPH IMPACTED SOIL IS LIKELY TO BE ENCOUNTERED DURING PROPOSED CONSTRUCTION EXCAVATION ACTIVITIES.

SOURCE: WAYNE PERRY INC.
CHEVRON SERVICE STATION 9-5868
UPTDATE TO THE SITE CONCEPTUAL MODEL
JANUARY 14, 2013

0 50 FEET
SCALE

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE:(909) 335-6116 FAX:(909) 556-6516

FOR: CALTRANS
TASK ORDER 03 Contract 7A3321
INTERSTATE 5/SEGMENT 2 IMPROVEMENT PROJECT, ENVIRONMENTAL PARCEL SITE INVESTIGATIONS, 07-LA-005, PM 0.0/1.6
LA MIRADA, CALIFORNIA

LIMITS OF DPE
CHEVRON SERVICE STATION 9-5868
14240 E. FIRESTONE BLVD.
LA MIRADA, CA

FIGURE: 15

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831003	MC		KM	JUNE 2013

Site Investigation Report
Parcel 79832

SITE INVESTIGATION REPORT

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

Prepared for:

California Department of Transportation (District 7)

Division of Planning
Office of Environmental Engineering and Corridor Studies,
100 South Main Street, 12-297, MS-16
Los Angeles, CA 90012

Prepared by:

AMEC Geomatrix, Inc.
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

March 17, 2011

Project No. 0153240100

TABLES

TABLE 1

ANALYTICAL RESULTS FOR SOIL SAMPLES - VOLATILE ORGANIC COMPOUNDS [1]

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(Results reported in micrograms per kilogram [µg/kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	m,p-Xylene	n-Propylbenzene	o-Xylene	Tetrachloroethene (PCE)	Toluene	Other VOCs [2]
			MSSL [3]	--	11	700	1750	--	1750	--	300	--
			RSL [4]	21	--	--	--	2500	--	0.049	--	--
			ESL [5]	--	--	--	--	--	--	--	--	--
1128-101	01/28/11	1128-101-5.5	5.5	<4.6	**16**	2.1J	2.3J	<4.6	0.94J	<4.6	15	ND
	01/28/11	1128-101-10.5	10.5	<3.6	7.2	<3.6	<7.2	<3.6	<3.6	<3.6	2.2J	ND
1128-102	01/28/11	1128-102-5.5	5.5	1.9J	**73**	15	16	1.4J	6.2	**1.4J**	90	ND
	01/28/11	1128-102-10.5	10.5	<4.1	1.6J	<4.1	<8.3	<4.1	<4.1	<4.1	1.3J	ND
1128-103	01/28/11	1128-103-7.5	7.5	<3.9	1.3J	<3.9	<7.8	<3.9	<3.9	<3.9	1.3J	ND
	01/28/11	1128-103-10.5	10.5	<3.6	2.1J	<3.9	<7.7	<3.9	<3.9	**1.1J**	1.4J	ND
IDW	01/28/11	IDW-DI-01282011	--	<4.3	5.7	<4.3	<8.6	<4.3	<4.3	<4.3	4.8	ND

Notes:
1. Samples analyzed by United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by EPA Method 8260B; refer to laboratory reports in Appendix D for list of analytes and individual method detection limits (MDLs) and practical quantitation limits (PQLs).
3. MSSL = Maximum Soil Screening Level, Los Angeles Regional Water Quality Control Board (September 2006) for sand 20 feet above groundwater (groundwater at the site is at approximately 15 feet bgs). MSSL concentration expressed as µg/Kg.
4. RSL = United States Environmental Protection Agency, Region IX, 2010. Regional Screening Level (RSL) Table, November 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL. Concentration expressed as µg/Kg.
5. ESL = Environmental Screening Level, California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater (May 2008).

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
ND = not detected at or above the PQLs; refer to the laboratory reports in Appendix D for individual PQLs.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
"<" = value less than the PQL shown.
"--" = not published or not applicable.
IDW = investigation derived waste.

TABLE 2

ANALYTICAL RESULTS FOR SOIL SAMPLES - TPH[1] (Carbon Chain Speciation)
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(Results reported in milligrams per kilogram [mg/kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	C4-C8	C9-C10	C11-C12	C4-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C13-C22	C23-C24	C25-C26	C27-C28	C29-C30	C31-C32	C23-C32	C8-C17
MSSL (<20 feet above groundwater) [2]				--	--	--	100	--	--	--	--	--	100	--	--	--	--	--	1000	--
1128-101	01/28/11	1128-101-2.5	2.5	<0.84	<15	<15	ND	<15UJ*	<15	<15	<15	<15	ND	22	32	51	83	89	277	<15
	01/28/11	1128-101-5.5	5.5	0.32J	<3.0	<3.0	0.32J	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
	01/28/11	1128-101-10.5	10.5	<0.81	<3.0	<3.0	ND	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
1128-102	01/28/11	1128-102-2.5	2.5	<0.78	<3.0	<3.0	ND	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	3.8	5.8	9.1	14	13	45.7	<3.0
	01/28/01	1128-102-5.5	5.5	0.52J	<3.0	<3.0	0.52J	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
	01/28/11	1128-102-10.5	10.5	0.20J	<3.0	<3.0	0.20J	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
1128-103	01/28/11	1128-103-7.5	7.5	<0.78	<3.0	<3.0	ND	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
	01/28/11	1128-103-10.5	10.5	<0.77	<3.0	<3.0	ND	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
IDW	01/28/11	IDW-DI-01282011	--	0.35J	<3.0	<3.0	0.35J	<3.0UJ*	<3.0	<3.0	<3.0	<3.0	ND	3.1	4.1	6.8	9.3	9.4	32.7	<3.0

Notes:
1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. MSSL = Los Angeles Regional Water Quality Control Board, Maximum Soil Screening Levels for TPH above Drinking Water Aquifers (September 2006), <20 feet above groundwater (groundwater at the site is at approximately 15 feet bgs); carbon ranges are C4-C12, C13-C22, and C23-C32. MSSL concentration expressed as mg/Kg.

Abbreviations:
bgs = below ground surface.
UJ* = The reported PQL is approximate and may be imprecise as a result of AMEC's data validation process.
TPH = total petroleum hydrocarbons.
"<" = value less than the practical quantitation limit (PQL) shown.
"--" = not established or not applicable.
IDW = investigation derived waste.

TABLE 3

ANALYTICAL RESULTS FOR SOIL SAMPLES - METALS[1]
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(Results in milligrams per kilogram [mg/kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		Commercial/Industrial CHHSL[2]		380	[3]	63,000	190[4]	7.5[5]	100,000/37[6]	3,200	38,000	320[7]	4,800	16,000	4,800	4,800	63	6,700	100,000
		RSL[8]		--	0.0013	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--
1128-101	01/28/11	1128-101-2.5	2.5	<2.0	**3.9**	100	<1.0	0.49J	14	5.1	15	17J*	<1.0	13	0.54J	<1.0	<1.0	28	16
	01/28/11	1128-101-5.5	5.5	<2.0	**3.6**	120	<1.0	0.74J	14	5.4	16	3.6J*	0.24J	15	1.0	<1.0	<1.0	32	16
	01/28/11	1128-101-10.5	10.5	<2.0	**4.0**	82	<1.0	0.24J	17	7.1	18	5.2J*	3.8	16	0.90J	<1.0	<1.0	38	20
1128-102	01/28/11	1128-102-2.5	2.5	<2.0	**2.6**	67	<1.0	0.060J	6.5	3.9	9.7	2.6J*	<1.0	6.4	<1.0	<1.0	<1.0	18	7.9
	01/28/11	1128-102-5.5	5.5	<2.0	**4.3**	140	<1.0	1.1	16	6.2	19	4J*	0.84J	19	1.2	<1.0	<1.0	35	18
	01/28/11	1128-102-10.5	10.5	<2.0	**4.6**	97	<1.0	0.32J	19	6.6	19	4.7J*	1.7	15	1.3	<1.0	<1.0	43	22
1128-103	01/28/11	1128-103-7.5	7.5	<2.0	**3.2**	50	<1.0	0.26J	11	4.0	10	2.8J*	0.29J	8.2	0.50J	<1.0	<1.0	29	13
	01/28/11	1128-103-10.5	10.5	<2.0	**4.2**	94	<1.0	0.42J	18	6.6	19	4.8J*	1.5	14	1.5	<1.0	<1.0	41	21
IDW	01/28/11	IDW-DI-01282011	--	<2.0	**3.5**	100	<1.0	1.1	14	5.0	16	15J*	0.20J	13	1.1	<1.0	<1.0	30	16

Notes:
1. All samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 6010B for each constituent except mercury (EPA Method 7471A).
2. CHHSL = California Human Health Screening Levels, California EPA Office of Environmental Health Hazard Assessment (Cal/EPA OEHHA; January 2005 and September 2010).
3. The commercial/industrial CHHSL for arsenic published by OEHHA in January 2005 is not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been replaced with the oral cancer slope factor used in the derivation of Regional Screening Levels (RSLs). The RSL (0.0013 milligrams per kilogram [mg/Kg]) was therefore considered the lowest applicable screening criterion for the screening-level evaluat
4. The commercial/industrial CHHSL for beryllium published by OEHHA in January 2005 has since been revised to 190 mg/Kg (Cal/EPA, 2010).
5. The commercial/industrial CHHSL for cadmium published by OEHHA in January 2005 is incorrect and not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been withdrawn. The RSL (1.4 mg/Kg) was, therefore, considered the lowest applicable screening criterion for the screening-level evaluation.
6. There is no CHHSL for total chromium. The indicated values are for chromium (III) and chromium (VI), respectively.
7. The commercial/industrial CHHSL for lead published by OEHHA in January 2005 has since been revised to 320 mg/Kg (Cal/EPA, 2010).
8. RSL = U.S. EPA, Region IX, 2010. RSL Table November 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL.

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
J = the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J* = the analyte is qualified as estimated as a result of AMEC's data validation process.
"--" = not applicable.
"<" = value less than the practical quantitation limit (PQL) shown.
IDW = investigation derived waste

TABLE 4

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - VOLATILE ORGANIC COMPOUNDS [1]

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(Results reported in micrograms per liter [µg/L])

Boring ID	Sample Date	Sample ID	Temporary Well Screen Interval feet (bgs)	1,1-Dichloroethene	Bromomethane	Chloromethane	cis-1,2-Dichloroethene	Methyl tert-Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Other VOCs [2]
			MCL[3]	6	--	--	6	13	5	150	10	5	--
			RSL[4]	--	8.7	190	--	--	--	--	--	--	--
1128-101	01/28/11	1128-101-GWS	23 to 28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	<0.50	ND
1128-102	01/28/11	1128-102-GWS	11 to 15	<0.50	0.65	<0.50	<0.50	0.5	<0.50	<0.50	<0.50	<0.50	ND
1128-103	01/28/11	1128-103-GWS	15 to 20	0.42J	0.50U*	<0.50	**26**	<0.50	3.4	<0.50	1.2	**8.5**	ND
	01/28/11	1128-103-GWS-DUP		0.49J	0.50U*	0.50U*	**25**	<0.50	3.4	0.37J	1.2	**8.5**	ND

Notes:
1. Samples analyzed by United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by U.S. EPA Method 8260B; refer to laboratory reports in Appendix D for list of analytes and individual practical quantitation limits (PQLs).
3. MCL = Maximum Contaminant Levels for Regulated Drinking Water Contaminants, California Safe Drinking Water Act & Related Laws and Regulations (CCR Title 22, Article 5.5, Section 64444). California Department of Public Health, updated September 16, 2010. MCL concentration expressed as µg/L.
4. RSL = U.S. EPA, Region IX, 2010. Regional Screening Level (RSL) Table November 2010 for tapwater.

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
-- = not analyzed, not established, or not applicable.
< = value less than the PQL shown.
DUP = duplicate sample.
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
ND = not detected at or above the PQLs.
U* = the analyte was positively identified, but was not detected at a concentration greater than or equal to the PQL.

TABLE 5

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - TPH[1] (CARBON CHAIN SPECIATION)

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(Results reported in milligrams per liter [mg/L])

Boring ID	Sample Date	Sample ID	Temporary Well Screen Interval feet (bgs)	C4-C8	C9-C10	C11-C12	C4-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C13-C22	C23-C24	C25-C26	C27-C28	C29-C30	C31-C32	C23-C32	C8-C17
			ESL [2]	--	--	--	0.21	--	--	--	--	--	0.21	--	--	--	--	--	0.21	0.21
1128-101	01/28/11	1128-101-GWS	23 to 28	<0.050	<0.020	<0.020	ND	<0.020	<0.020	<0.020	<0.020	<0.020	ND	<0.020	<0.020	<0.020	<0.020	<0.020	ND	<0.020
1128-102	01/28/11	1128-102-GWS	11 to 15	<0.050	<0.021	<0.021	ND	<0.021	<0.021	<0.021	<0.021	<0.021	ND	<0.021	<0.021	<0.021	<0.021	<0.021	ND	<0.021
1128-103	01/28/11	1128-103-GWS	15 to 20	<0.050	<0.021	<0.021	ND	<0.021	<0.021	<0.021	<0.021	<0.021	ND	<0.021	<0.021	<0.021	<0.021	<0.021	ND	<0.021
	01/28/11	1128-103-GWS-DUP		0.12J*	<0.024	<0.024	0.12J*	<0.024	<0.024	<0.024	<0.024	<0.024	ND	<0.024	<0.024	<0.024	<0.024	<0.024	ND	<0.024

Notes:
1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. ESL = Environmental Screening Level, California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Appendix 1, Table F-3, Summary of Drinking Water Screening Levels, May 2008. ESL concentration expressed as mg/L.

Abbreviations:
bgs = below ground surface
"<" = value less than the practical quantitation limit shown.
DUP = duplicate sample.
ND = not detected at or above the method detection limits.
TPH = total petroleum hydrocarbons.
-- = not established.
J* = the analyte is qualified as estimated as a result of AMEC's data validation process.

TABLE 6

ANALYTICAL RESULTS FOR FIELD QUALITY CONTROL SAMPLES

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

(All results reported as micrograms per liter [µg/L] for water)

Sample Date	Sample Name [1]	Associated Borehole Locations	Matrix	VOCs (EPA 8260B)	TPH Carbon Chain Speciation (EPA 8015B)
01/28/11	1128-100-TBW-01282011	1128-101, 1128-102, 1128-103	Water	ND	NA
01/28/11	1128-100-SW-01282011	1128-101, 1128-102, 1128-103	Water	ND	ND
01/28/11	1128-100-FB-01282011	1128-101, 1128-102, 1128-103	Water	ND	ND
01/28/11	1128-100-EB-01282011	1128-101, 1128-102, 1128-103	Water	Bromomethane (0.40J) Chloromethane (0.38J)	ND

Notes:
1. Sample name abbreviations: EB = equipment blank, SW = source water blank, TBW = trip blank, FB = field blank.

Abbreviations:
ND = all analytes are not detected; refer to the laboratory reports in Appendix D for individual method detection and practical quantitation limits.
NA = not analyzed.
VOCs = volatile organic compounds.
TPH = total petroleum hydrocarbons.

TABLE 7

BORING GPS COORDINATES[1]
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

Unique Identification	Boring Identification	Latitude	Longitude	Northing	Easting
1128	101	33.876900213	-118.013686091	6557512.29	1777583.67
1128	102	33.877111487	-118.014145638	6557372.81	1777660.58
1128	103	33.877256818	-118.014524733	6557257.75	1777713.48

Note:
1. Survey coordinates using North American Datum (NAD) 83, California State Plane Zone 5 Coordinate System (feet). GPS coordinates were not measured or verified by a Professional Licensed Surveyor, and are excluded from the professional certification of this report.

FIGURES

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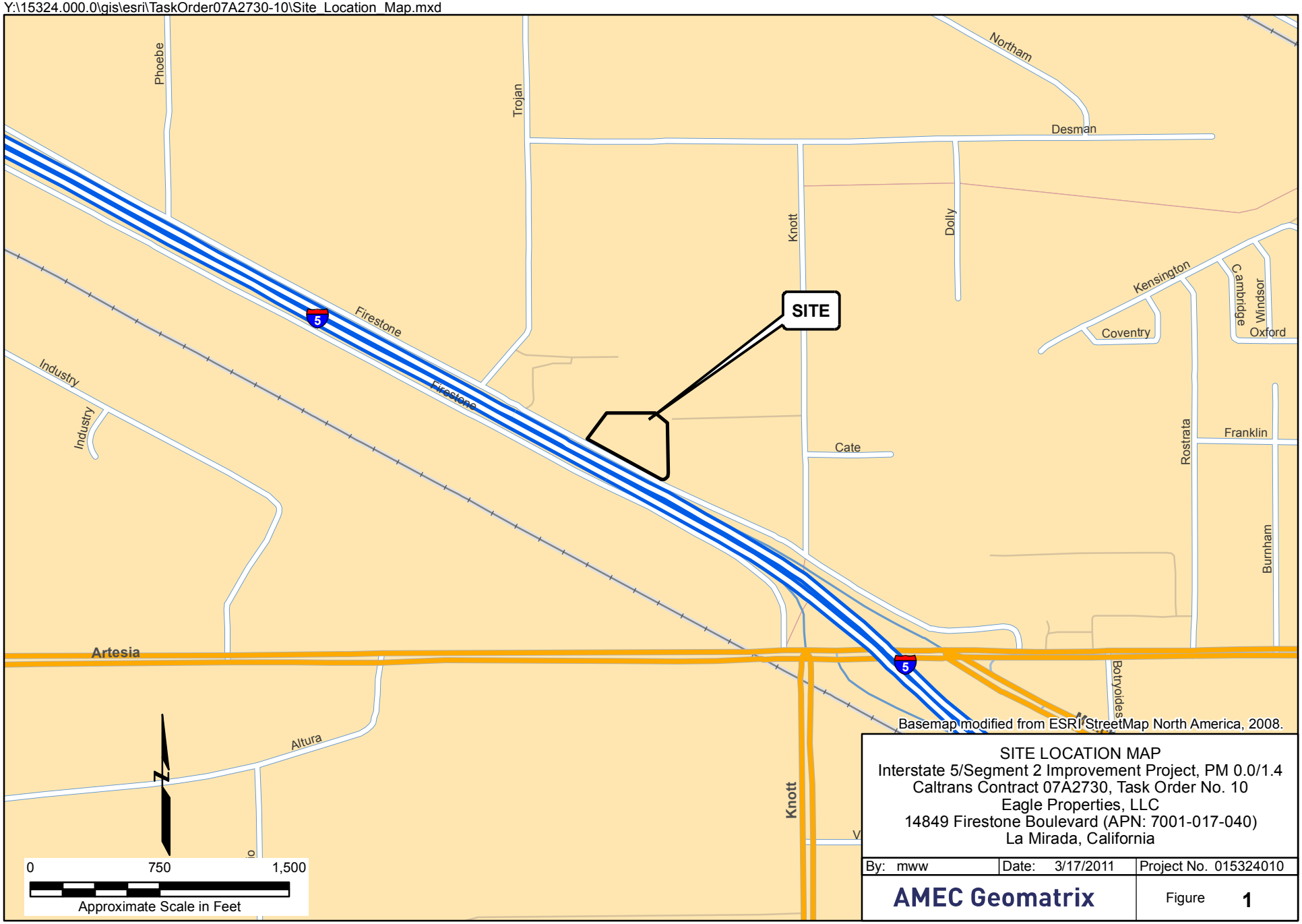
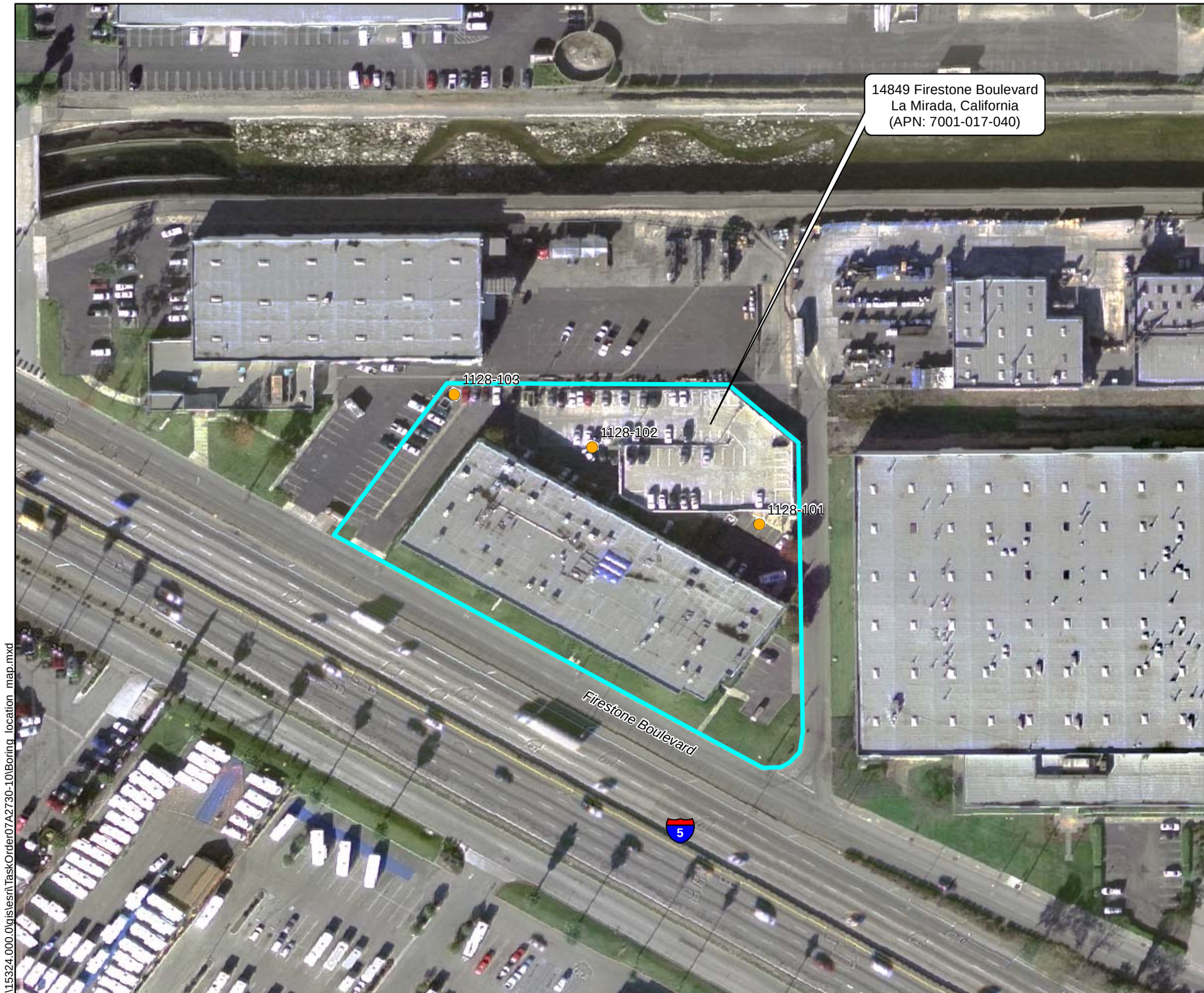


SITE LOCATION MAP
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

By: mww	Date: 3/17/2011	Project No. 015324010
AMEC Geomatrix		Figure 1



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Explanation

1128-101 ● Soil and groundwater sample location

Approximate area of investigation

Note:
Sample locations are approximate.

N

0 50 100

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

BORING LOCATION MAP
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

By: mww	Date: 3/17/2011	Project No. 015324010
AMEC Geomatrix		Figure 2

Sample ID	Depth feet	Benzene µg/Kg	PCE µg/Kg	Arsenic mg/Kg
1128-102-2.5	2.5	--	--	**2.6**
1128-102-5.5	5.5	**73**	**1.4J**	**4.3**
1128-102-10.5	10.5	**1.6J**	<4.1	**4.6**

Sample ID	Depth feet	Benzene µg/Kg	PCE µg/Kg	Arsenic mg/Kg
1128-101-2.5	2.5	--	--	**3.9**
1128-101-5.5	5.5	**16**	<4.6	**3.6**
1128-101-10.5	10.5	**7.2**	<3.6	**4.0**

Sample ID	Depth feet	Benzene µg/Kg	PCE µg/Kg	Arsenic mg/Kg
1128-103-7.5	7.5	**1.3J**	<3.9	**3.2**
1128-103-10.5	10.5	**2.1J**	**1.1J**	**4.2**

Explanation

1128-101 ● Soil and groundwater sample location

Approximate area of investigation

PCE tetrachloroethene

-- Not analyzed

Notes:

1. Concentrations in micrograms per kilogram (µg/Kg) or milligrams per kilogram (mg/Kg) in soil.
2. Sample locations are approximate.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.
4. Less than symbol indicates not detected at or above the practical quantitation limit shown.
5. J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N

0 50 100

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION SOIL DATA EXCEEDING SCREENING CRITERIA
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

By: mww | Date: 3/17/2011 | Project No. 015324010

AMEC Geomatrix | Figure 3

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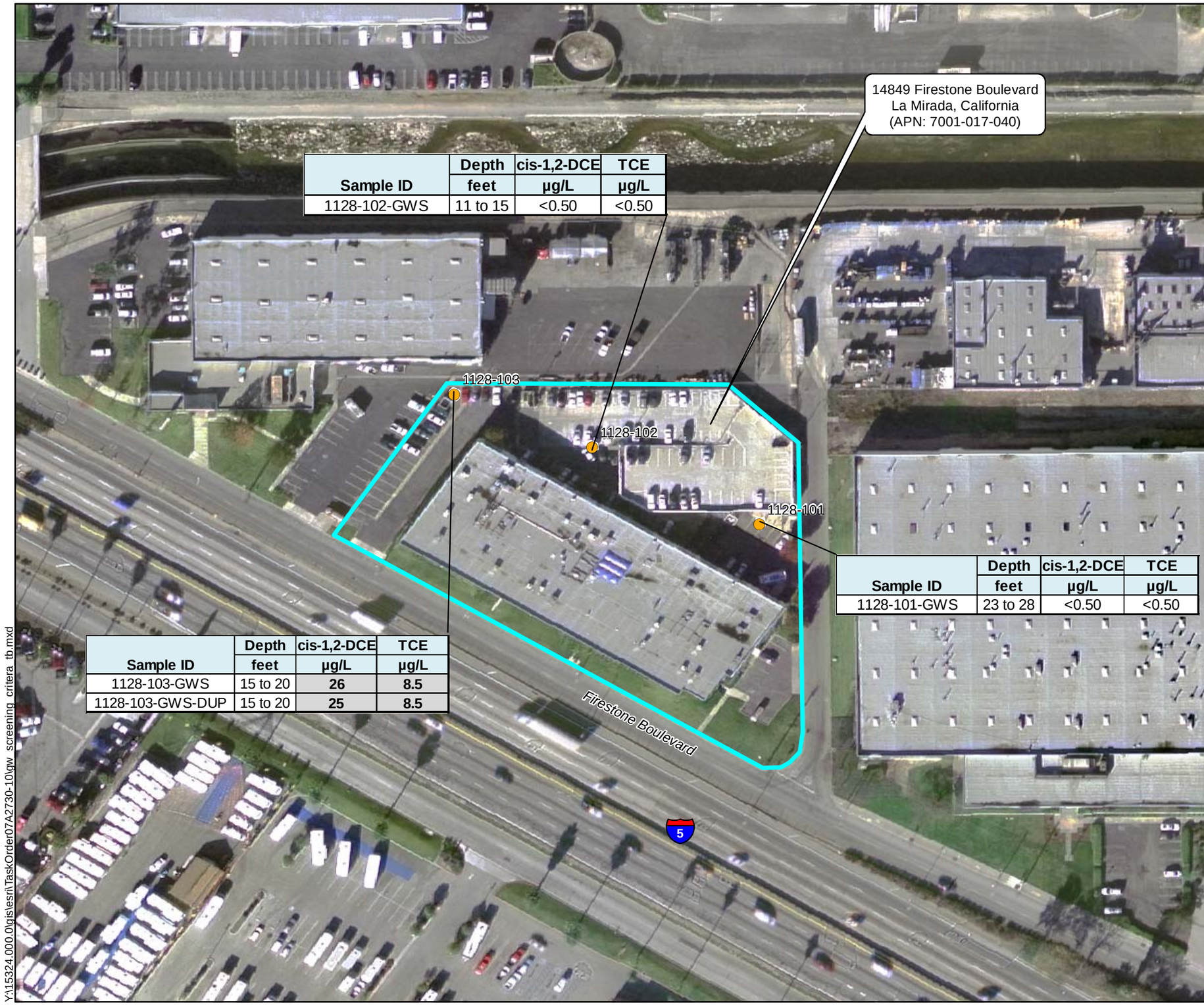

Sample ID	Depth feet	cis-1,2-DCE µg/L	TCE µg/L
1128-102-GWS	11 to 15	<0.50	<0.50

Sample ID	Depth feet	cis-1,2-DCE µg/L	TCE µg/L
1128-103-GWS	15 to 20	**26**	**8.5**
1128-103-GWS-DUP	15 to 20	**25**	**8.5**

Sample ID	Depth feet	cis-1,2-DCE µg/L	TCE µg/L
1128-101-GWS	23 to 28	<0.50	<0.50

Explanation

1128-101 Soil and groundwater sample location

Approximate area of investigation

cis-1,2-DCE cis-1,2-dichloroethene

TCE trichloroethene

Notes:

1. Concentrations in micrograms per liter (µg/L) in groundwater.
2. Sample locations are approximate.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.
4. Less than symbol indicates not detected at or above the practical quantitation limit shown.

N

0 50 100

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION GROUNDWATER DATA EXCEEDING SCREENING CRITERIA
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

By: mww | Date: 3/17/2011 | Project No. 015324010

AMEC Geomatrix

Figure 4

Y:\15324.000.0\gislesri\TaskOrder07A2730-10\gw_screening_critera_tb.mxd

Explanation

1128-101 Soil and groundwater sample location

Approximate area of investigation

Estimated limits for TPH-impacted soil for management during construction

Note:
Sample locations are approximate.

N

0 50 100
Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

SOIL MANAGEMENT AREA DURING CONSTRUCTION
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 10
Eagle Properties, LLC
14849 Firestone Boulevard (APN: 7001-017-040)
La Mirada, California

By: mww	Date: 3/17/2011	Project No. 015324010
AMEC Geomatrix		Figure 5

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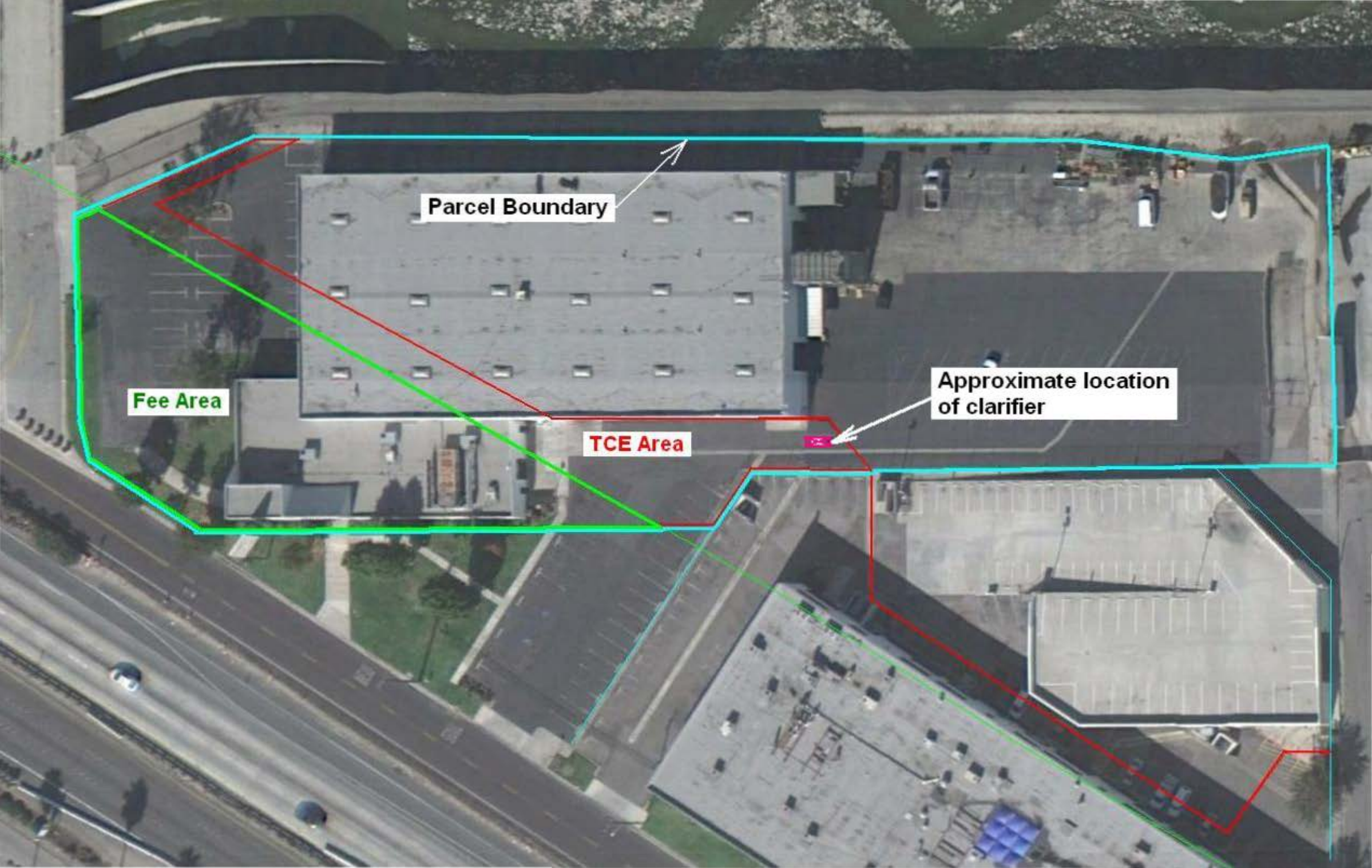
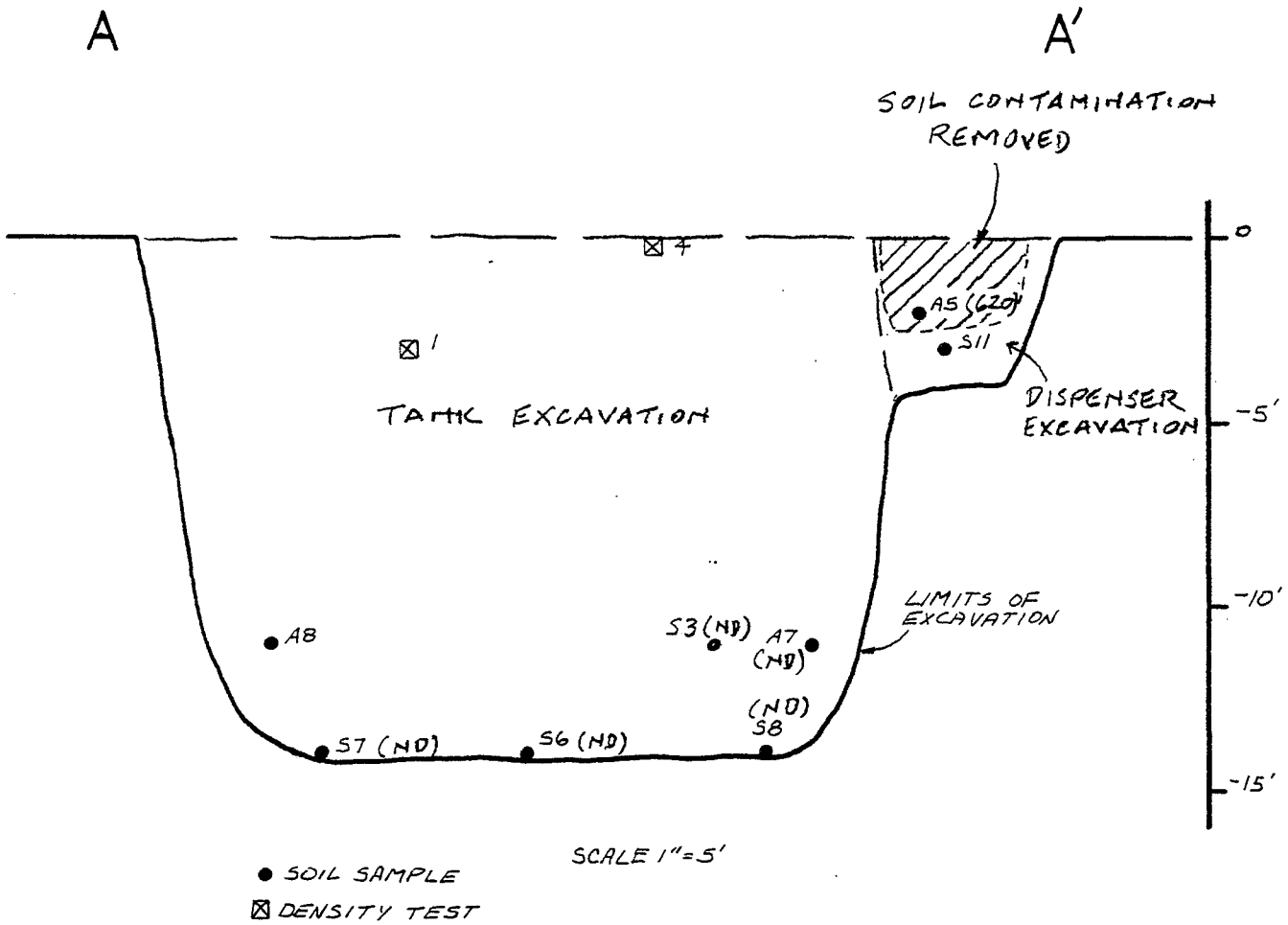
Site Investigation Report
Parcel 79833


Parcel Boundary
Fee Area
TCE Area
Approximate location of clarifier

14815 Firestone Blvd.
La Mirada, CA 90638
28,920 Sq Ft., Light Manufacturing
APN 7001-016-002
Trojan Way
Firestone Blvd
Santa Ana Fwy
Santa Ana Fwy
Firestone Blvd
14817
Firestone Blvd
16000
Osmond Ave
Location of clarifier
APN 7001-017-024
200 ft
Google



A-1 – A-11: INITIAL TESTS (OFF-SITE LAB)
S-1 – S-12: FINAL TESTS (ON-SITE MOBILE LAB)

SECTION A-A'

SCALE: 1"= 5'

AAKO GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

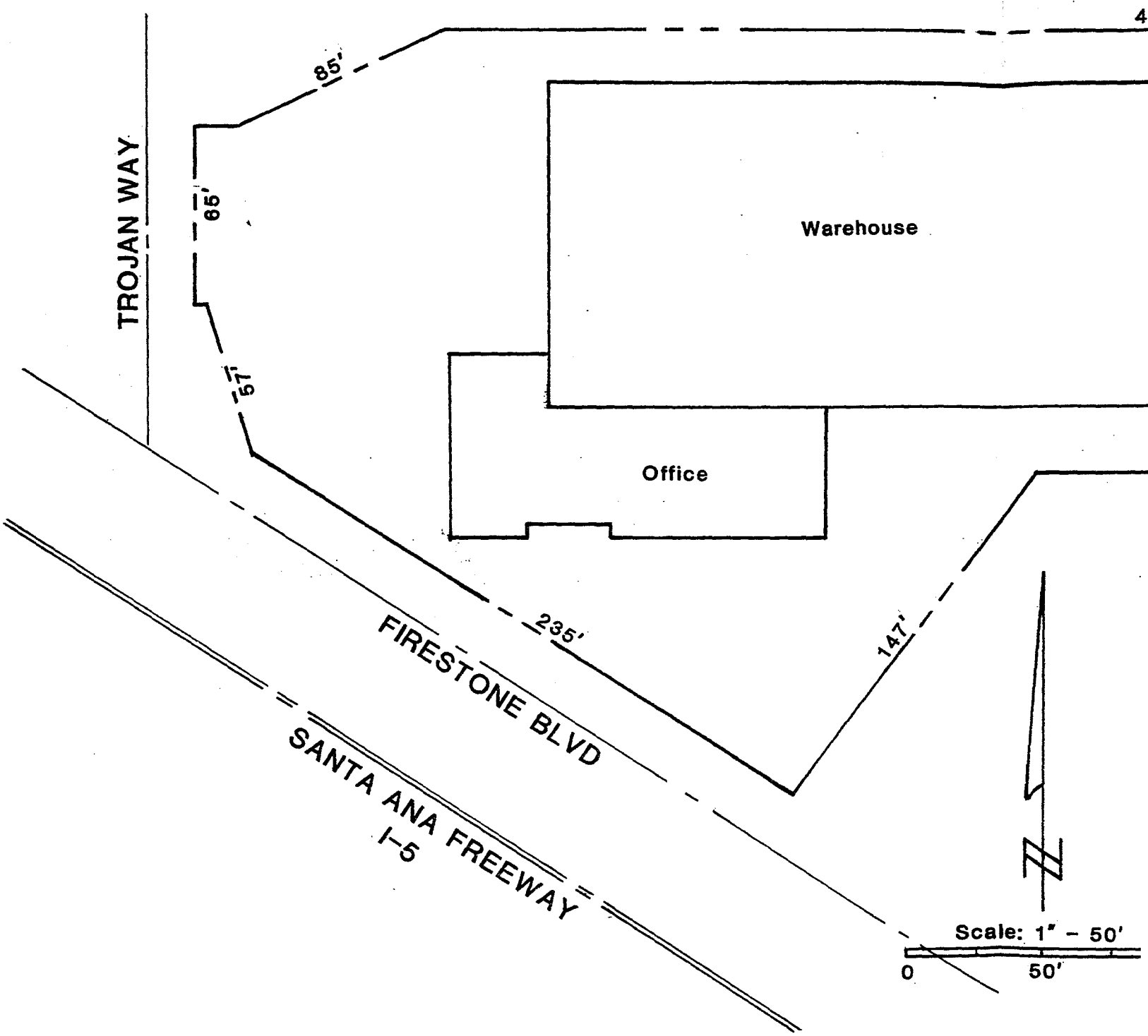
Job No.	Dwg. No.
5948-H	2

7/94

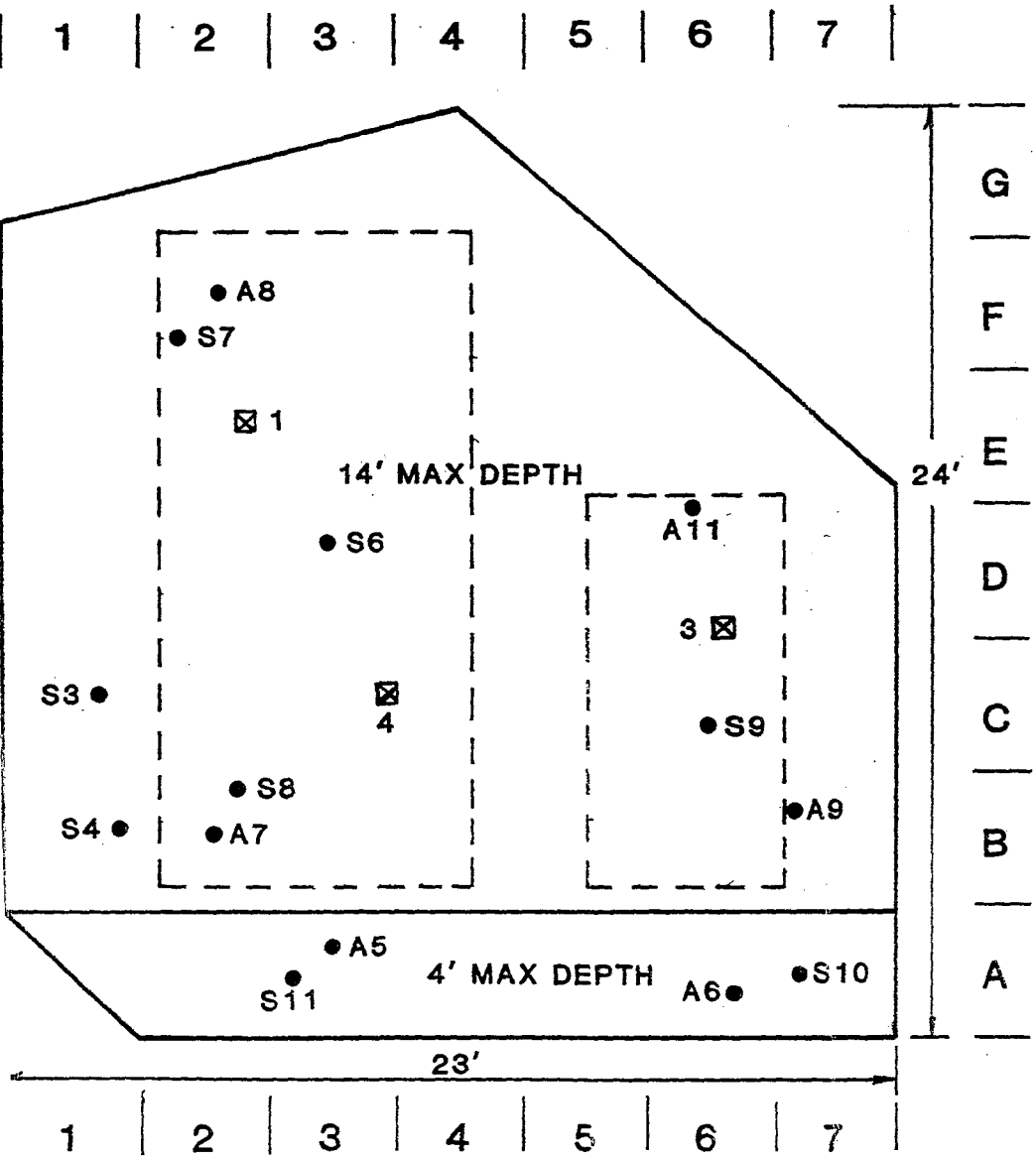
TABLE 1
LABORATORY TEST RESULTS SUMMARY

Sample ID	EPA 418.1 TRPH (mg/kg)	EPA 8015M TPH (Gasoline)	EPA 8015M TPH Diesel (mg/kg)	EPA 8020 - BTEX			
				Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg\kg)	Xylenes (mg/kg)
On-Site Mobile Laboratory							
S1 - Stockpile	--	--	33	--	--	--	--
S2 - Stockpile	--	0.8	--	--	--	--	--
S3 - C1@11'	--	ND	ND	ND	ND	ND	ND
S4 - B1@11'	--	ND	ND	ND	ND	ND	ND
S5 - WO@6'	ND	--	--	--	--	--	--
S6 - D3@14'	--	ND	--	ND	ND	ND	ND
S7 - F2@14'	--	ND	--	ND	ND	ND	ND
S8 - B2@14'	--	--	ND	--	--	--	--
S9 - C6@14'	--	ND	ND	ND	ND	ND	ND
S10 - A7@3'	--	ND	ND	ND	ND	ND	ND
S11 - A3@3'	--	ND	ND	ND	ND	ND	ND
S12 - WO@6'	ND	--	--	--	--	--	--
Detection Limit	10	0.10	10	5.0	5.0	5.0	5.0
Off-Site Laboratory							
A1 - Stockpile	--	--	170	--	--	--	--
A2 - Stockpile	--	ND	ND	ND	ND	ND	ND
A3 - Stockpile	--	16	--	ND	ND	1.0	16
A4 - Stockpile	ND	--	--	--	--	--	--
A5 - A3@2'	--	620	--	0.08	ND	3.3	46
A6 - A6@2'	--	--	ND	--	--	--	--
A7 - B2@11'	--	ND	--	ND	ND	0.007	0.02
A8 - F2@11'	--	--	--	--	--	--	--
A9 - B7@10'	--	--	ND	--	--	--	--
A10 - WO@6'	ND	--	--	--	--	--	--
A11 - D6@10'	--	--	--	--	--	--	--
Detection Limit	10	10	10	0.005	0.005	0.005	0.010

ND = None Detected


TROJAN WAY
85'
65'
57'
Warehouse
Office
235'
147'
FIRESTONE BLVD
SANTA ANA FREEWAY
I-5
Scale: 1" - 50'
0
50'

SITE PLAN



FUEL TANK EXCAVATION

LEGEND

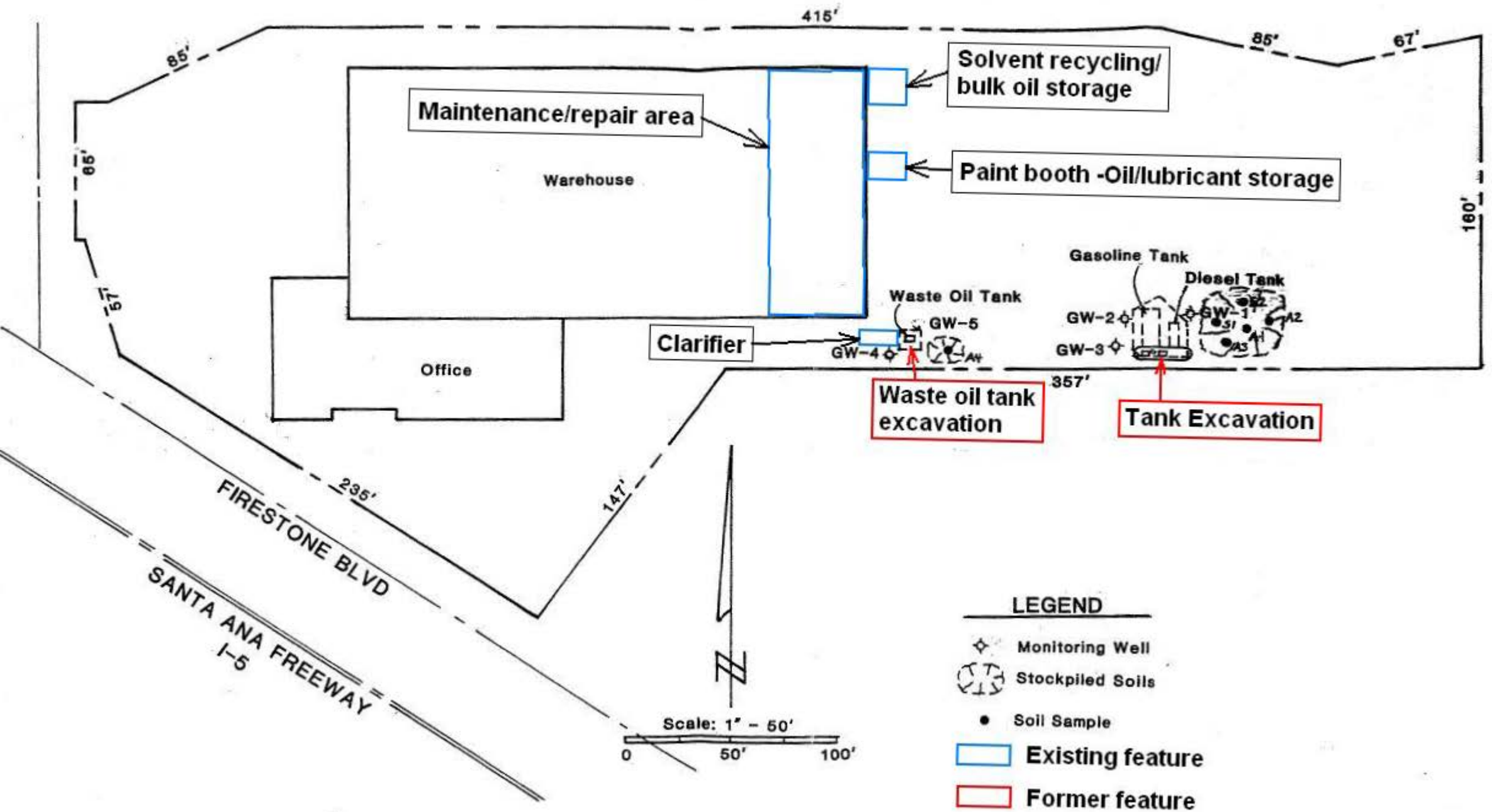
- Soil Sample
- Density Test

AAKO GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

2483 E. Orangethorpe Ave.
Fullerton, CA 92631
(714) 773-1232

Job No.	Dwg. No.
5948-H6-A3	2

12-27-93



Source: AAKO Geotechnical Engineering Consultants 12/27/1993

SITE PLAN

Site Investigation Report
Parcel 79852

SITE INVESTIGATION REPORT

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard
La Mirada, California

Prepared for:

California Department of Transportation (District 7)
Division of Planning
Office of Environmental Engineering and Corridor Studies
100 South Main Street, 12-297, MS-16
Los Angeles, CA 90012

Prepared by:

AMEC Geomatrix, Inc.
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

March 10, 2011

Project No. 0153240080

TABLES

TABLE 1

ANALYTICAL RESULTS FOR SOIL SAMPLES - VOLATILE ORGANIC COMPOUNDS [1]
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

(Results reported in micrograms per kilogram [µg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Tetrachloroethene (PCE)	Toluene	Other VOCs [2]
			MSSL [3]	--	--	--	11	700	--	1750	--	--	--	--	--	300	--
			RSL [4]	21	520	--	--	--	1100	--	--	2500	0.47	--	0.049	--	--
			ESL [5]	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1124-112	01/18/11	1124-112-2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/18/11	1124-112-5.5	5.5	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	ND
	01/18/11	1124-112-10.5	10.5	<3.7	<3.7	<3.7	1.9J	<3.7	<3.7	<7.5	<3.7	<3.7	<3.7	<3.7	**1.3J**	1.2J	ND
1124-113	01/18/11	1124-113-2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/18/11	1124-113-5.5	5.5	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	ND
	01/18/11	1124-113-10.5	10.5	<3.9	<3.9	<3.9	1.3J	1.1J	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	1.9J	ND
1124-114	01/18/11	1124-114-2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/18/11	1124-114-5.5	5.5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.2	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	ND
	01/18/11	1124-114-10.5	10.5	<4.0	<4.0	<4.0	2.4J	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	1.6J	ND
1124-115	01/18/11	1124-115-2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/18/11	1124-115-5.5	5.5	<3.7	<3.7	<3.7	0.66J	<3.7	<3.7	<7.4	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	ND
	01/18/11	1124-115-10.5	10.5	<4.2	<4.2	<4.2	3.9J	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<4.2	<4.2	2.9J	ND
IDW	01/18/11	IDW-BDT-01182011	--	160	27	1.8J	2.6	56	8.4	78	14	31	10	4.2	<4.0	2.2J	ND

Notes:
1. Samples analyzed by United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by EPA Method 8260B; refer to laboratory reports in Appendix D for list of analytes and individual method detection limits (MDLs) and practical quantitation limits (PQLs).
3. MSSL = Maximum Soil Screening Level, Los Angeles Regional Water Quality Control Board (September 2006) for sand 20 feet above groundwater (groundwater at the site is approximately 18 feet bgs). MSSL concentration expressed as µg/Kg.
4. RSL = United States Environmental Protection Agency, Region IX, 2010. Regional Screening Level (RSL) Table, November 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL. Concentration expressed as µg/Kg.
5. ESL = Environmental Screening Level, California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
NA = not analyzed.
ND = not detected at or above the PQLs; refer to the laboratory reports in Appendix D for individual PQLs.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
"<" = value less than the PQL shown.
"--" = not published or not applicable.
IDW = investigation derived waste.

TABLE 2

ANALYTICAL RESULTS FOR SOIL SAMPLES - TPH[1] (Carbon Chain Speciation)

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

(Results reported in milligrams per kilogram [mg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	C4-C8	C9-C10	C11-C12	C4-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C13-C22	C23-C24	C25-C26	C27-C28	C29-C30	C31-C32	C23-C32	C8-C17
MSSL (<20 feet above groundwater) [2]				--	--	--	100	--	--	--	--	--	100	--	--	--	--	--	1000	--
1124-112	01/18/11	1124-112-2.5	2.5	<0.77	<3.0	<3.0	ND	<3.0	<3.0	4.0	6.0	9.5	19.5	14	19	31	40	53	157	<3.0
	01/18/11	1124-112-5.5	5.5	<0.85	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	3.2	3.2	3.8	5.0	12	12	13	45.8	<3.0
	01/18/11	1124-112-10.5	10.5	<0.79	<3.0	<3.0	ND	6.0	<3.0	<3.0	<3.0	<3.0	6.0	<3.0	<3.0	<3.0	<3.0	<3.0	ND	11
1124-113	01/18/11	1124-113-2.5	2.5	<0.74	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	3.1	4.4	7.0	8.6	11	34.1	<3.0
	01/18/11	1124-113-5.5	5.5	<0.87	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
	01/18/11	1124-113-10.5	10.5	<0.75	<3.0	<3.0	ND	6.1	<3.0	<3.0	<3.0	<3.0	6.1	<3.0	<3.0	<3.0	<3.0	<3.0	ND	14
1124-114	01/18/11	1124-114-2.5	2.5	<0.71	<3.0	<3.0	ND	<3.0	<3.0	3.5	4.6	7.6	15.7	14	26	57	88	110	295	<3.0
	01/18/11	1124-114-5.5	5.5	<0.91	<3.0	<3.0	ND	3.1	<3.0	<3.0	<3.0	<3.0	3.1	<3.0	<3.0	<3.0	<3.0	<3.0	ND	6.1
	01/18/11	1124-114-10.5	10.5	<0.79	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0
1124-115	01/18/11	1124-115-2.5	2.5	<0.79	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	3.5	3.5	5.1	9.4	18	27	28	87.5	<3.0
	01/18/11	1124-115-5.5	5.5	<0.70	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	4.0	3.3	3.6	10.9	<3.0
	01/18/11	1124-115-10.5	10.5	0.58J	<3.0	<3.0	0.58J	3.9	<3.0	<3.0	<3.0	<3.0	3.9	<3.0	<3.0	<3.0	<3.0	<3.0	ND	7.4
IDW	01/18/11	IDW-BDT-01182011	--	6.9J*	<3.0	<3.0	6.9J*	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0	<3.0	<3.0	<3.0	<3.0	ND	<3.0

Notes:

1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. MSSL = Los Angeles Regional Water Quality Control Board, Maximum Soil Screening Levels for TPH above Drinking Water Aquifers (September 2006), <20 feet above groundwater (groundwater at the site is approximately 18 feet bgs); carbon ranges are C4-C12, C13-C22, and C23-C32. MSSL concentration expressed as mg/Kg.

Abbreviations:

bgs = below ground surface.
J* = The analyte is qualified as estimated as a result of AMECs data validation process.
TPH = total petroleum hydrocarbons.
"<" = value less than the practical quantitation limit (PQL) shown.
"--" = not established or not applicable.
IDW = investigation derived waste.
ND = not detected at or above the PQLs; refer to the laboratory reports in Appendix D for individual PQLs.

TABLE 3

ANALYTICAL RESULTS FOR SOIL SAMPLES - METALS[1]
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California
(Results in milligrams per kilogram [mg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth feet (bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Commercial/Industrial CHHSL[2]				+[3]	[4]	63,000	+	7.5[5]	100,000/37[6]	3200	38,000	320[7]	180	4800	16,000	4800	+	63	6700	100,000
RSL[8]				+	0.0013	--	+	1.4	--	--	--	--	--	--	--	--	+	--	--	--
1124-112	01/18/11	1124-112-2.5	2.5	<2.0	**5.9**	100	<1.0	<1.0	17	6.5	23	24	NA	<1.0	12	<1.0	<1.0	<1.0	30	76
	01/18/11	1124-112-5.5	5.5	<2.0	**3.3**	57	<1.0	<1.0	10	4.8	15	3.7	NA	<1.0	9.2	<1.0	<1.0	<1.0	23	35
	01/18/11	1124-112-10.5	10.5	<2.0	**2.5**	90	<1.0	0.66J	15	5.9	19	4.4	NA	<1.0	14	<1.0	<1.0	<1.0	36	45
1124-113	01/18/11	1124-113-2.5	2.5	<2.0	**4.5**	130	<1.0	<1.0	21	7.6	26	7.5	NA	<1.0	16	<1.0	<1.0	<1.0	35	59
	01/18/11	1124-113-5.5	5.5	<2.0	**3.6**	76	<1.0	<1.0	11	5.3	17	2.3	NA	<1.0	9.2	<1.0	<1.0	<1.0	25	31
	01/18/11	1124-113-10.5	10.5	<2.0	**5.7**	100	<1.0	1.3	17	6.5	19	3.5	NA	3.7	18	0.44J	<1.0	<1.0	44	48
1124-114	01/18/11	1124-114-2.5	2.5	<2.0	**6.3**	110	<1.0	0.032J	15	6.3	20	5.9	NA	<1.0	12	<1.0	<1.0	<1.0	30	39
	01/18/11	1124-114-5.5	5.5	<2.0	**2.6**	55	<1.0	<1.0	9.9	4.8	13	2.6	NA	<1.0	8.3	<1.0	<1.0	<1.0	22	29
	01/18/11	1124-114-10.5	10.5	<2.0	**3.4**	88	<1.0	0.25J	15	5.8	15	3.8	NA	<1.0	12	<1.0	<1.0	0.37J	32	46
1124-115	01/18/11	1124-115-2.5	2.5	<2.0	**11**	100	<1.0	<1.0	15	6.5	21	6.1	NA	<1.0	12	<1.0	<1.0	<1.0	30	45
	01/18/11	1124-115-5.5	5.5	<2.0	**4.1**	66	<1.0	<1.0	11	5.3	18	2.6	NA	<1.0	9.2	<1.0	<1.0	<1.0	26	31
	01/18/11	1124-115-10.5	10.5	<2.0	**3.0**	87	<1.0	0.19J	15	6.0	16	4.5	NA	<1.0	12	<1.0	<1.0	0.42J	32	49
IDW	01/18/11	IDW-BDT-01182011	--	<2.0	4.1	96	<1.0	0.38J	17	6.9	22	5.1	0.10U*	<1.0	15	<1.0	<1.0	<1.0	42	50

Notes:
1. All samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 6010B for each constituent except mercury (EPA Method 7471A).
2. CHHSL = California Human Health Screening Levels, California EPA Office of Environmental Health Hazard Assessment (Cal/EPA OEHHA; January 2005).
3. "+" = Analyte was not detected in the samples shown. Screening Levels therefore are not provided.
4. The commercial/industrial CHHSL for arsenic published by OEHHA in January 2005 is not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been replaced with the oral cancer slope factor used in the derivation of RSLs. The RSL (0.0013 milligrams per kilogram [mg/Kg]) was therefore considered the lowest applicable screening criterion for the screening-level evaluation.
5. The commercial/industrial CHHSL for cadmium published by OEHHA in January 2005 is incorrect and not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been withdrawn. The RSL (1.4 mg/Kg) was, therefore, considered the lowest applicable screening criterion for the screening-level evaluation.
6. There is no CHHSL for total chromium. The indicated values are for chromium (III) and chromium (VI), respectively.
7. The commercial/industrial CHHSL for lead published by OEHHA in January 2005 has since been revised to 320 mg/Kg (Cal/EPA, 2009).
8. RSL = U.S. EPA, Region IX, 2010. RSL Table November 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL.

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
NA = not analyzed.
J = the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U* = the analyte was positively identified, but was not detected at a concentration greater than or equal to the PQL as a result of AMECs data validation process.
"--" = not applicable.
"<" = value less than the practical quantitation limit (PQL) shown.
IDW = investigation derived waste.

TABLE 4

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - VOLATILE ORGANIC COMPOUNDS [1]

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

(Results reported in micrograms per liter [µg/L])

Boring ID	Sample Date	Sample ID	Temporary Well Screen Interval feet (bgs)	1,2,4 -Trimethylbenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Methyl tert-Butyl Ether (MTBE)	Ethylbenzene	Isopropylbenzene	m,p-Xylene	n-Butylbenzene	n-Propylbenzene	Naphthalene	o-Xylene	sec-Butylbenzene	tert-Butanol	Toluene	Other VOCs [2]
			MCL[3]	--	0.5	--	--	1.0	13	300	--	1750	--	--	--	1750	--	--	150	--
			RSL[4]	15	--	370	--	--	--	--	680	--	--	1300	0.14	--	--	--	--	--
1124-112	01/18/11	1124-112-GWS	15 to 20	<0.50	0.26J	<0.50	<0.50	<0.50	0.30J	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	ND
1124-113	01/18/11	1124-113-GWS	15 to 20	<0.50	<0.50	<0.50	<0.50	<0.50	0.40J	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	ND
1124-114	01/18/11	1124-114-GWS	15 to 20	<0.50	**0.94**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	14	<0.50	ND
1124-115	01/18/11	1124-115-GWS	15 to 20	**89**	<0.50	10	1.8J*	**10**	<0.50	190	18	44	6.6	44	**96**	0.28J	5.2	6.4J	0.35J	ND
	01/18/11	1124-115-GWSD	15 to 20	**79**	<0.50	8.6	0.72J*	**9.7**	<0.50	170	16	40	6.0	39	**91**	<0.50	4.5	7.2J	0.34J	ND

Notes:
1. Samples analyzed by United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by U.S. EPA Method 8260B; refer to laboratory reports in Appendix D for list of analytes and individual practical quantitation limits (PQLs).
3. MCL = Maximum Contaminant Levels for Regulated Drinking Water Contaminants, California Safe Drinking Water Act & Related Laws and Regulations (CCR Title 22, Article 5.5, Section 64444). California Department of Public Health, updated September 16, 2010. MCL concentration expressed as µg/L.
4. RSL = U.S. EPA, Region IX, 2010. Regional Screening Level (RSL) Table November 2010 for tapwater.

Concentrations that are equal to or exceed the respective screening level are shown in **BOLD**.

Abbreviations:
bgs = below ground surface.
-- = not analyzed, not established, or not applicable.
< = value less than the PQL shown.
GWSD = duplicate sample.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
J* = The analyte was qualified as estimated as a result of AMECs data validation process.
ND = not detected at or above the PQLs; refer to the laboratory reports in Appendix D for individual PQLs.

TABLE 5

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - TPH[1] (CARBON CHAIN SPECIATION)

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

(Results reported in milligrams per liter [mg/L])

Boring ID	Sample Date	Sample ID	Temporary Well Screen Interval feet (bgs)	C4-C8	C9-C10	C11-C12	C4-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C13-C22	C23-C24	C25-C26	C27-C28	C29-C30	C31-C32	C23-C32	C8-C17
			ESL [2]	--	--	--	0.21	--	--	--	--	--	0.21	--	--	--	--	--	0.21	--
1124-112	01/18/11	1124-112-GWS	15 to 20	<0.050	<0.020	<0.020	ND	<0.020	0.035	0.039	0.037	0.086	0.20	0.027	0.031	0.047	0.048	0.085	**0.238**	0.12
1124-113	01/18/11	1124-113-GWS	15 to 20	<0.050	<0.020	<0.020	ND	<0.020	0.050	0.051	0.044	0.12	**0.27**	0.035	0.039	0.064	0.071	0.13	**0.339**	0.12
1124-114	01/18/11	1124-114-GWS	15 to 20	0.17	<0.020	0.039	**0.21**	0.042	0.069	0.065	0.050	0.10	**0.33**	0.029	0.036	0.051	0.050	0.087	**0.253**	0.20
1124-115	01/18/11	1124-115-GWS	15 to 20	0.68	0.14	0.40	**1.22**	0.13	0.11	0.088	0.077	0.094	**0.50**	<0.040	<0.040	0.052	0.054	0.095	0.201	0.89
	01/18/11	1124-115-GWSD	15 to 20	0.81	0.12	0.32	**1.25**	0.096	0.084	0.063	0.052	0.069	**0.36**	0.024	0.029	0.044	0.046	0.071	**0.214**	0.70

Notes:
1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. ESL = Environmental Screening Level, California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Appendix 1, Table F-3, Summary of Drinking Water Screening Levels, May 2008. ESL concentration expressed as mg/L.

Abbreviations:
bgs = below ground surface
"<" = value less than the practical quantitation limit (PQL) shown.
GWSD = duplicate sample.
TPH = total petroleum hydrocarbons.
-- = not established.
ND = not detected at or above the PQLs; refer to the laboratory reports in Appendix D for individual PQLs.

TABLE 6

ANALYTICAL RESULTS FOR FIELD QUALITY CONTROL SAMPLES

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

(All results reported as milligrams per liter [mg/L] for water)

Sample Date	Sample Name [1]	Associated Borehole Locations	Matrix	VOCs (EPA 8260B)	TPH Carbon Chain Speciation (EPA 8015B)
01/04/11	1124-100-Source-01042011	1124-112, 1124-113, 1124-114, 1124-115	Water	ND	C9-C10 (0.031 mg/L), C11-C12 (0.024 mg/L), C8-C17 (0.15 mg/L)
01/18/11	1124-100-TBW-01182011	1124-112, 1124-113, 1124-114, 1124-115	Water	ND	NA
01/18/11	1124-100-FB-01182011	1124-112, 1124-113, 1124-114, 1124-115	Water	ND	ND
01/18/11	1124-100-EB-01182011	1124-112, 1124-113, 1124-114, 1124-115	Water	ND	ND

Notes:
1. Sample name abbreviations: EB = equipment blank, Source = source water blank, TBW = trip blank, FB = field blank.

Abbreviations:
ND = all analytes are not detected; refer to the laboratory reports in Appendix D for individual method detection and practical quantitation limits.
NA = not analyzed.
VOCs = volatile organic compounds.
TPH = total petroleum hydrocarbons.

TABLE 7

BORING GPS COORDINATES[1]

Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

Unique Identification	Boring Identification	Latitude	Longitude	Northing	Easting
1124	112	33.8808466	-118.0247483	6554154.75	1779020.49
1124	113	33.8807877	-118.0247610	6554150.90	1778999.05
1124	114	33.8807690	-118.0248267	6554130.94	1778992.27
1124	115	33.8808210	-118.0248649	6554119.37	1779011.20

Note:

1. Survey coordinates using North American Datum (NAD) 83, California State Plane Zone 5 Coordinate System (feet). GPS coordinates were not measured or verified by a Professional Licensed Surveyor, and are excluded from the professional certification of this report.

FIGURES

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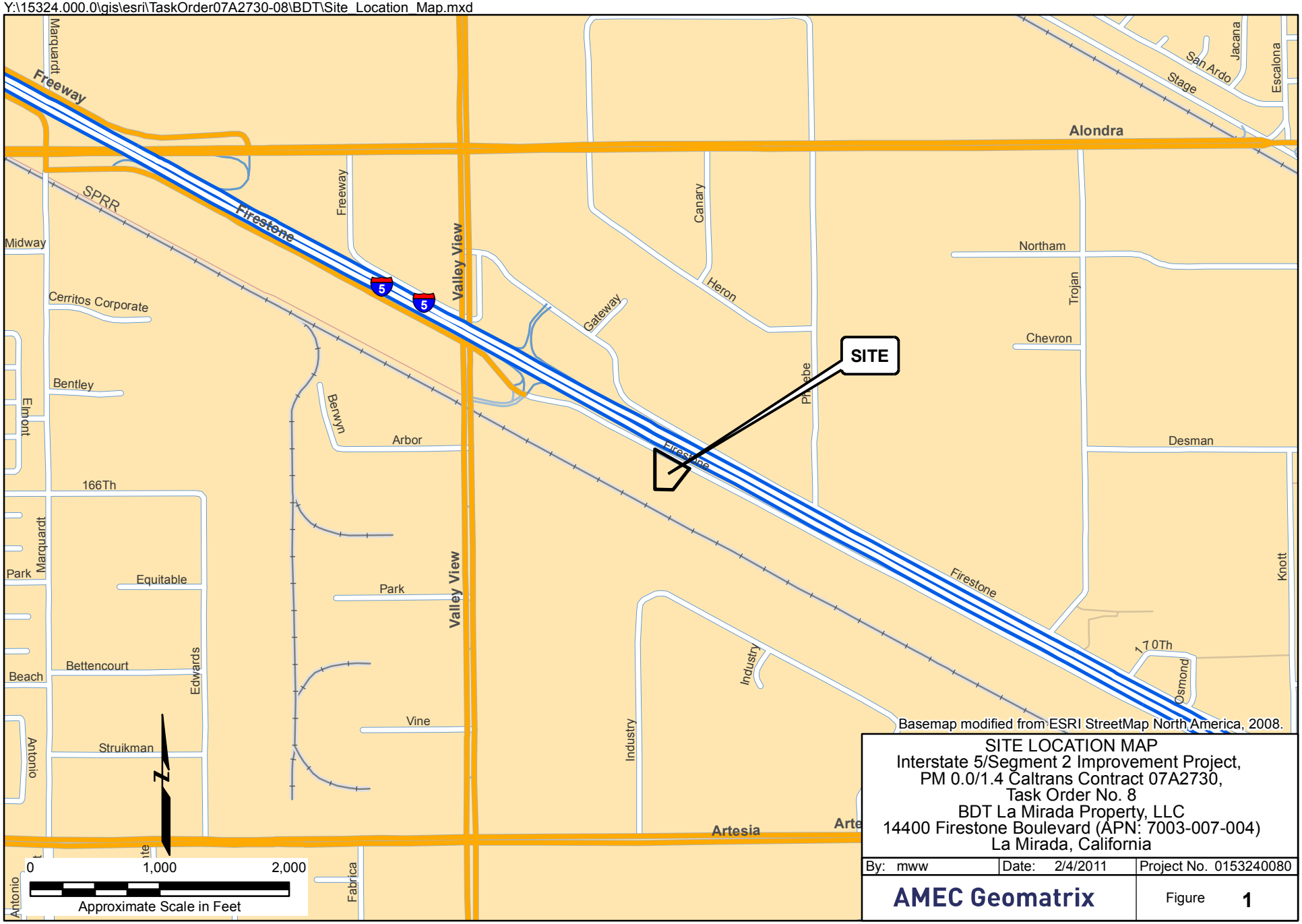
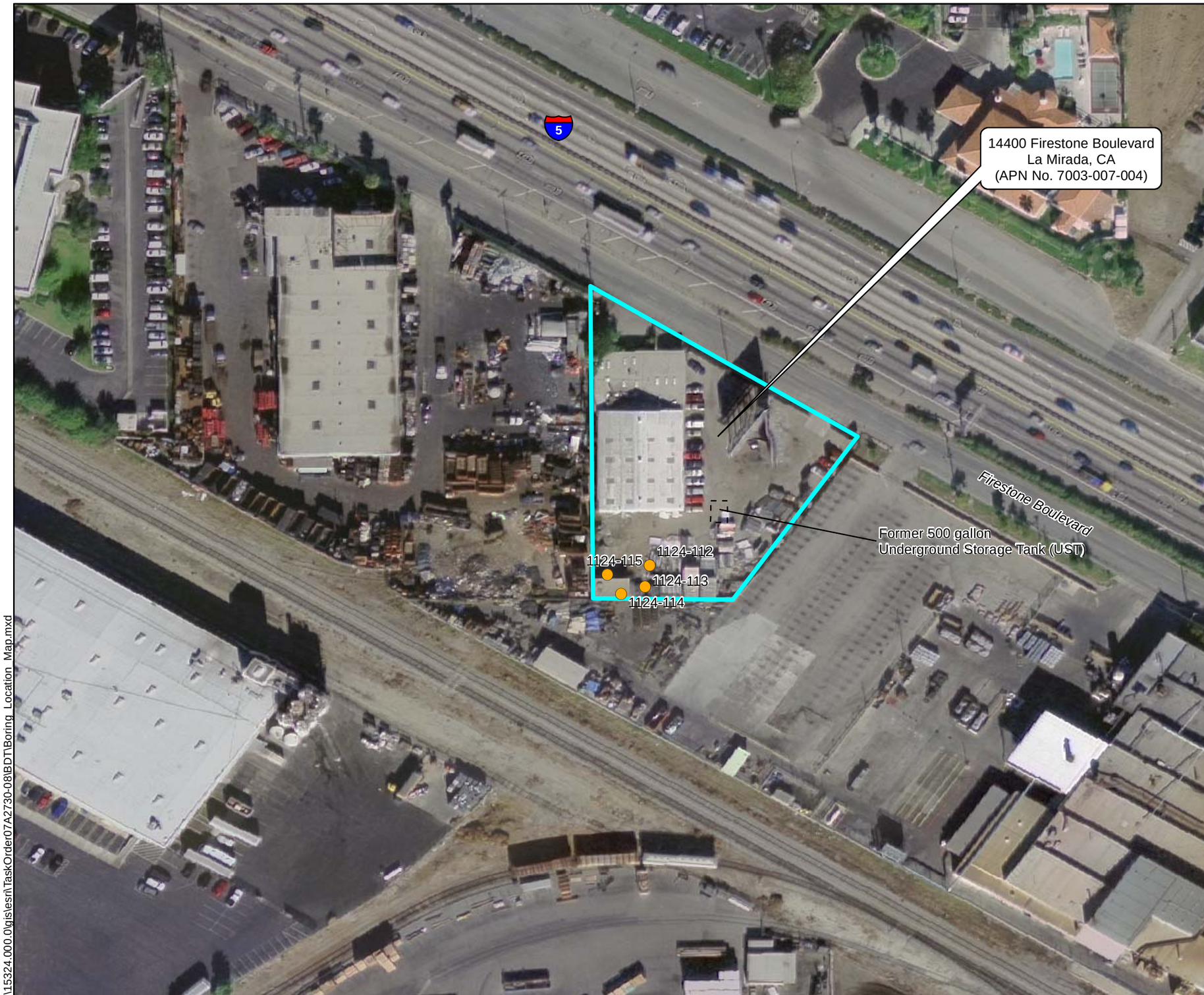


SITE LOCATION MAP
Interstate 5/Segment 2 Improvement Project,
PM 0.0/1.4 Caltrans Contract 07A2730,
Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

By: mww	Date: 2/4/2011	Project No. 0153240080
AMEC Geomatrix		Figure 1



Explanation

1124-112 ● Soil and groundwater sample location

Approximate area of investigation

Approximate location of former 500 gallon UST

Note:
Sample locations are approximate.

N

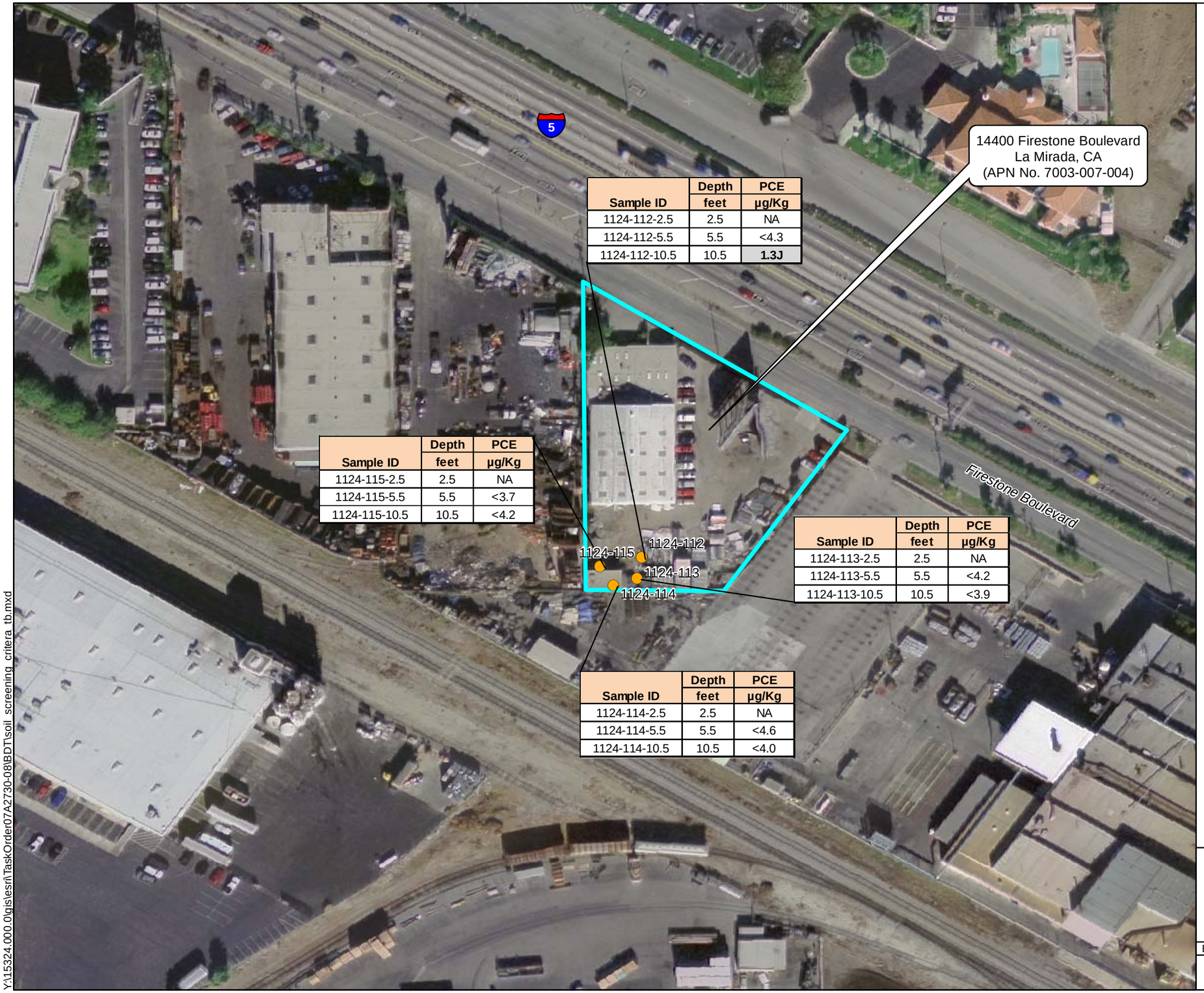
0 50 100
Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

BORING LOCATION MAP
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

By: mww	Date: 2/4/2011	Project No. 015324008
AMEC Geomatrix		Figure 2

Y:\15324.000.0\gis\esri\TaskOrder07A2730-08\BDT\Boring_Location_Map.mxd



Sample ID	Depth feet	PCE µg/Kg
1124-112-2.5	2.5	NA
1124-112-5.5	5.5	<4.3
1124-112-10.5	10.5	**1.3J**

Sample ID	Depth feet	PCE µg/Kg
1124-115-2.5	2.5	NA
1124-115-5.5	5.5	<3.7
1124-115-10.5	10.5	<4.2

Sample ID	Depth feet	PCE µg/Kg
1124-113-2.5	2.5	NA
1124-113-5.5	5.5	<4.2
1124-113-10.5	10.5	<3.9

Sample ID	Depth feet	PCE µg/Kg
1124-114-2.5	2.5	NA
1124-114-5.5	5.5	<4.6
1124-114-10.5	10.5	<4.0

Explanation

1124-112 — Soil and groundwater sample location

Approximate area of investigation

PCE — Tetrachloroethene

NA — Not analyzed

Notes:

1. Concentrations in micrograms per kilogram (µg/Kg) in soil.
2. Sample locations are approximate.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.
4. J = The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
5. Less than symbol indicates value less than the practical quantitation limit shown.

N

0 50 100

Approximate Scale in Feet

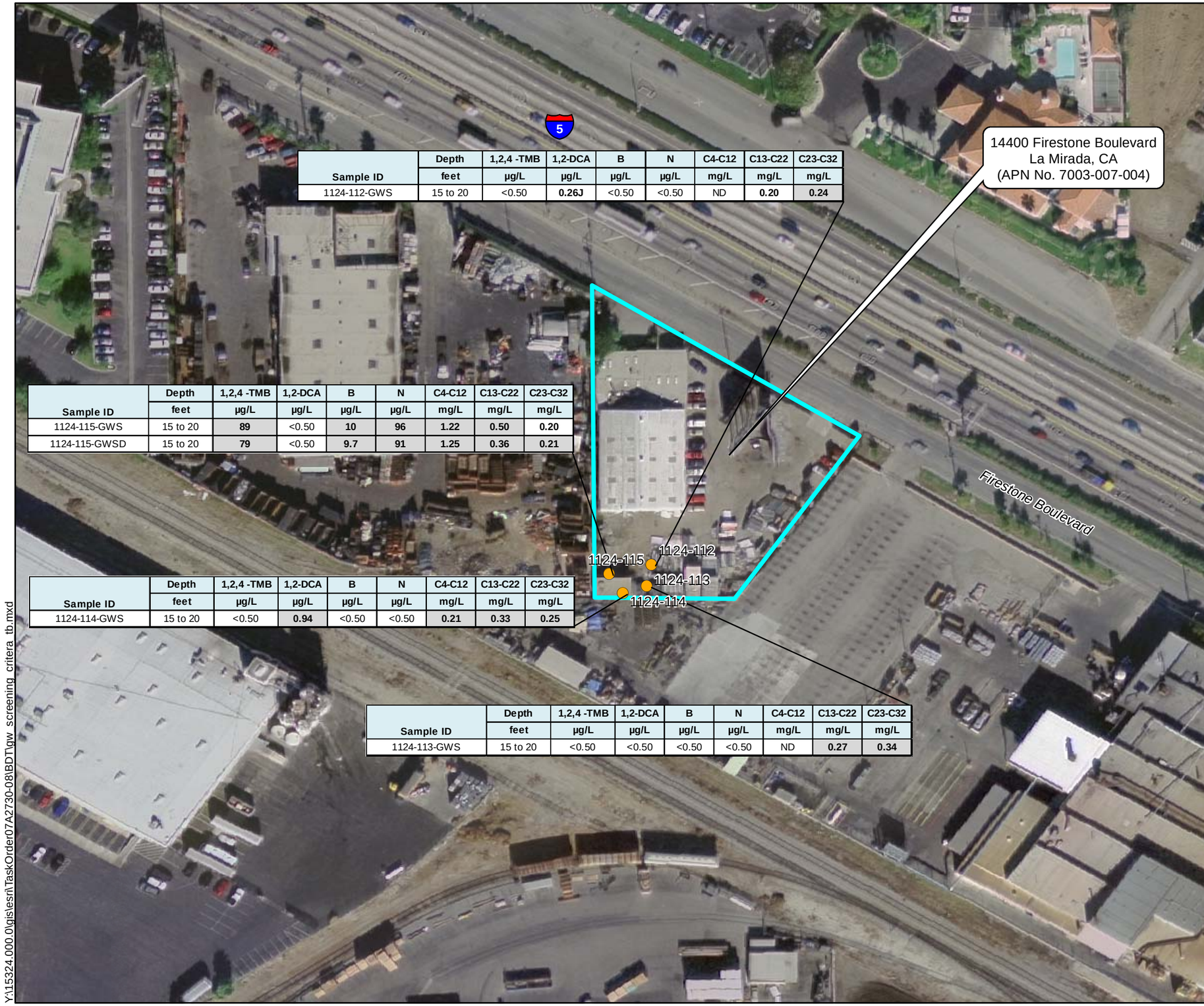
Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION SOIL DATA EXCEEDING SCREENING CRITERIA
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

By: mww | Date: 2/4/2011 | Project No. 015324008

AMEC Geomatrix | Figure 3

Y:\15324.000.0\gis\esri\TaskOrder07A2730-08\BDT\soil_screening_critera_tb.mxd



Sample ID	Depth	1,2,4 -TMB	1,2-DCA	B	N	C4-C12	C13-C22	C23-C32
	feet	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L
1124-112-GWS	15 to 20	<0.50	**0.26J**	<0.50	<0.50	ND	**0.20**	**0.24**

Sample ID	Depth	1,2,4 -TMB	1,2-DCA	B	N	C4-C12	C13-C22	C23-C32
	feet	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L
1124-115-GWS	15 to 20	**89**	<0.50	**10**	**96**	**1.22**	**0.50**	**0.20**
1124-115-GWSD	15 to 20	**79**	<0.50	**9.7**	**91**	**1.25**	**0.36**	**0.21**

Sample ID	Depth	1,2,4 -TMB	1,2-DCA	B	N	C4-C12	C13-C22	C23-C32
	feet	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L
1124-114-GWS	15 to 20	<0.50	**0.94**	<0.50	<0.50	**0.21**	**0.33**	**0.25**

Sample ID	Depth	1,2,4 -TMB	1,2-DCA	B	N	C4-C12	C13-C22	C23-C32
	feet	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L
1124-113-GWS	15 to 20	<0.50	<0.50	<0.50	<0.50	ND	**0.27**	**0.34**

Explanation

1124-112 ● Soil and groundwater sample location

Approximate area of investigation

1,2,4-TMB 1,2,4-Trimethylbenzene

1,2-DCA 1,2-Dichloroethane

B Benzene

N Naphthalene

ND Not detected

C4-C12 Total Petroleum Hydrocarbon Speciation

Notes:

1. Concentrations in micrograms per liter (µg/L) and milligrams per liter (mg/L) in groundwater.
2. Sample locations are approximate.
3. Shaded values exceed applicable screening values. **Bold** values indicate detections.
4. Less than symbol indicates value less than the practical quantitation limit shown.
5. J = The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

N

0 50 100

Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION GROUNDWATER DATA EXCEEDING SCREENING CRITERIA
Interstate 5/Segment 2 Improvement Project, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 8
BDT La Mirada Property, LLC
14400 Firestone Boulevard (APN: 7003-007-004)
La Mirada, California

By: mww | Date: 2/4/2011 | Project No. 015324008

AMEC Geomatrix | Figure 4

Y:\15324.000.0\gis\esri\TaskOrder07A2730-08\BDT\gw_screening_critera_tb.mxd

Site Investigation Report
Parcel 79869

SITE INVESTIGATION REPORT

LENS TECHNOLOGY
14256 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA
LOCATION: 07-LA-005, PM 0.0/6.8; Caltrans Parcel 79869; APN#7003-006-022
PROJECT NUMBER: 0700001832
EA NUMBER: 215921

Stantec Project No.: 185831001

Submitted to:
CALIFORNIA DEPARTMENT OF TRANSPORTATION, DISTRICT 7
07A3321
100 SOUTH MAIN STREET
LOS ANGELES, CALIFORNIA 90012

Submitted by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California

Prepared by:
Anne E. Perez
Associate Geologist

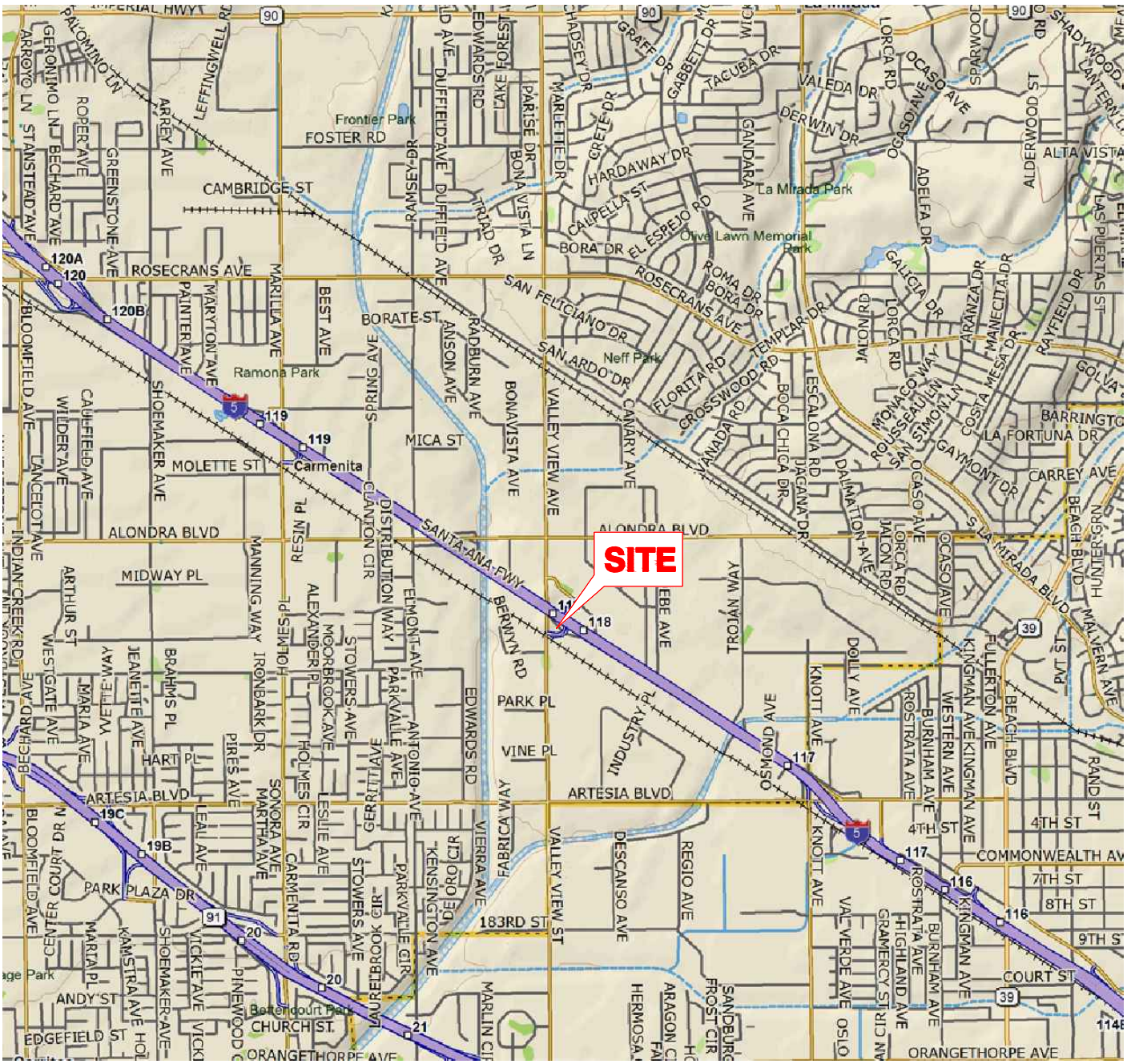
Reviewed by:
Dion Monge
Associate Scientist

Approved by:
Kevin Miskin, P,E. C48458
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
KEVIN KOY MISKIN
No. C48458
Exp. 6/14
CIVIL
STATE OF CALIFORNIA

May 17, 2013

FIGURES



1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, LA MIRADA, CALIFORNIA

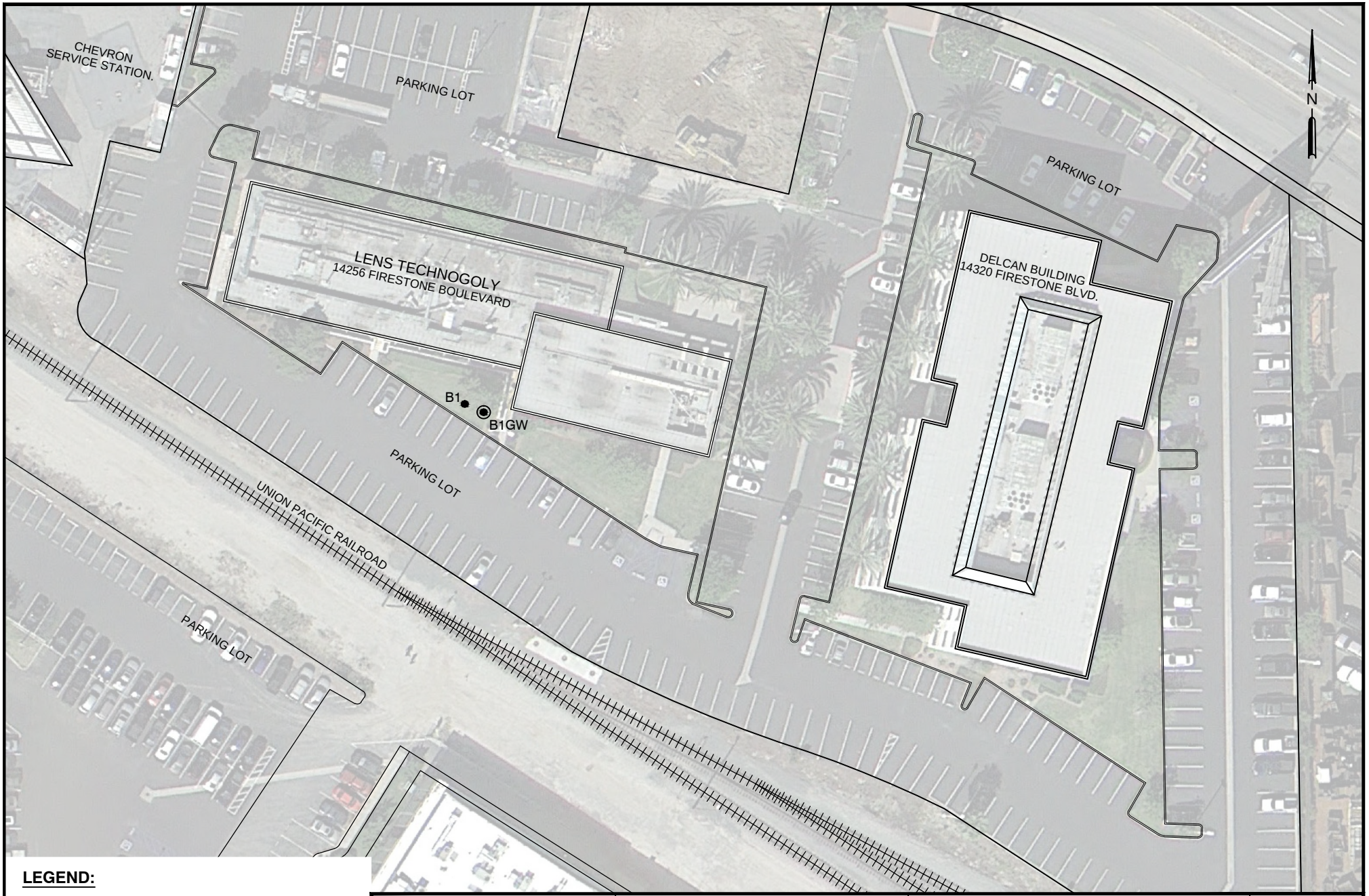
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CA. 92374-4515
PHONE: (909) 335-6116/335-6120 (FAX)

FOR:
CALTRANS-SOUTH REGION
07A3321
100 SOUTH MAIN STREET
LOS ANGELES, CALIFORNIA
PROJECT LOCATION:07-LA-005,PM0.0/6.8

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831001	MDR	AP	--	05/16/13



LEGEND:

- SOIL BORING LOCATION
- GROUNDWATER BORING LOCATION

0 60 120

SCALE IN FEET

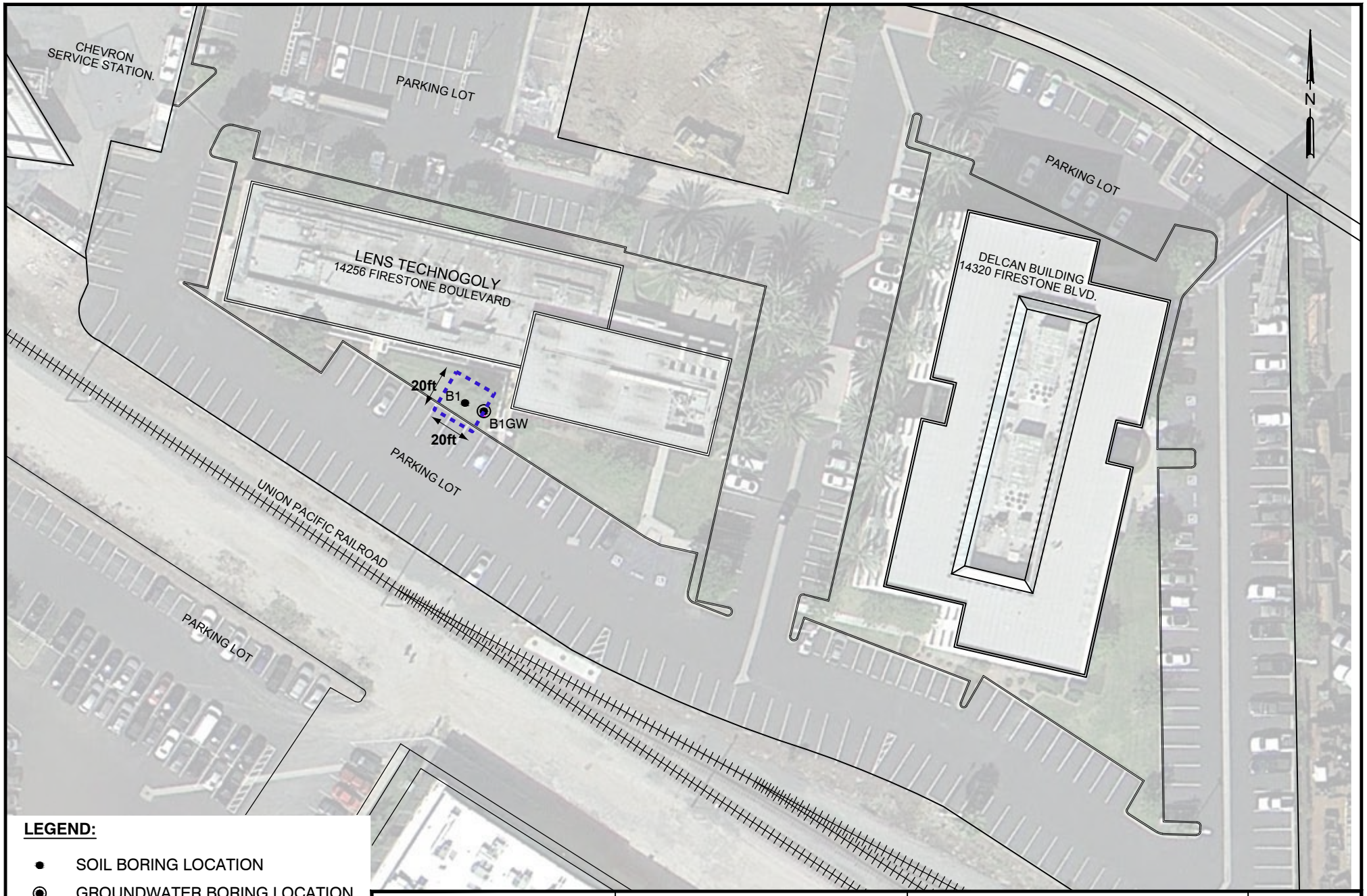
Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CA. 92374-4515
PHONE: (909) 335-6116/335-6120 (FAX)

FOR:
CALTRANS-SOUTH REGION
07A3321
100 SOUTH MAIN STREET
LOS ANGELES, CALIFORNIA
PROJECT LOCATION:07-LA-005,PM0.0/6.8

SITE PLAN

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831001	MDR	AP	--	05/16/13



LEGEND:

- SOIL BORING LOCATION
- GROUNDWATER BORING LOCATION
- ESTIMATED AREA OF ARSENIC IMPACT (x, y, z - 20ft x 20ft x 18ft deep) **(TO BE CONFIRMED IN THE FIELD)**

0 60 120

SCALE IN FEET

Stantec
25864-F BUSINESS CENTER DRIVE
REDLANDS, CA. 92374-4515
PHONE: (909) 335-6116/335-6120 (FAX)

FOR:
CALTRANS-SOUTH REGION
07A3321
100 SOUTH MAIN STREET
LOS ANGELES, CALIFORNIA
PROJECT LOCATION:07-LA-005,PM0.0/6.8

ESTIMATED AREA OF ARSENIC IMPACT

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185831001	MDR	AP	--	05/16/13

TABLES

TABLE 1 - BORING GPS COORDINATES
TO-01
LENS TECHNOLOGY
14256 FIRESTONE BOULEVARD, LA MIRADA, CA
Location: 07-LA-005, PM 0.0/6.8
PN: 0700001832 (EA#215921)

CALTRANS UNIQUE BORING ID(1)	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION (ft amsl)(2)
B1: 1206-101	33.881944	-118.0275	1779420.086	6553319.626	66.00
B1GW: 1206-102	33.881944	-118.0275	1779420.086	6553319.626	66.00

NOTES:

(1) - Boring identification number/Caltrans Unique ID assigned

(2) - ft amsl = feet above mean sea level

The survey coordinates for this project were obtained using a Handheld Trimple Global Positioning System (GPS) unit using North American Datum (NAD) 83 and California State Plane Zone 5 (405) Coordinate System in feet. The GPS coordinates were not verified by a professional licensed surveyor and are excluded from this reports professional certification.

TABLE 2 - SUMMARY OF SOIL ANALYTICAL RESULTS - TPH and VOC
TO-01
LENS TECHNOLOGY
14256 FIRESTONE BOULEVARD, LA MIRADA, CA
Location: 07-LA-005, PM 0.0/6.8
PN: 0700001832 (EA#215921)

Field Sample ID[1]	Caltrans Unique Sample ID[1]	Sample Depth[2]	Sample Date	GAS RANGE ORGANICS by EPA Test Method 8260[3]	TPH Reported as Diesel/Motor Oil Ranges [3]		Volatile Organic Compounds (VOCs)[3]	Semi-Volatile Organic Compounds (VOCs)[3]
					DIESEL RANGE HYDROCARBONS (C8-C22)	MOTOR OIL RANGE HYDROCARBONS (C23-C40)		
Maximum Soil Screening Levels for TPH [4] (20-150ft above GW) in mg/Kg				***500***	***1,000***	***10,000***		
US EPA Regional Soil Screening Levels for Industrial Soils in mg/Kg [5]				***---***	***---***	***---***	***VARIES***	***VARIES***
SOIL SAMPLES								
B1	**1206-101-10**	10	4/12/2013	<1.0 mg/Kg	<10 mg/Kg	<10 mg/Kg	ALL ND	ALL ND
B1	**1206-101-15**	15	4/12/2013	<1.0 mg/Kg	<10 mg/Kg	<10 mg/Kg	ALL ND	ALL ND
B1	**1206-101-20**	20	4/12/2013	<1.0 mg/Kg	<10 mg/Kg	<10 mg/Kg	ALL ND	ALL ND
GROUNDWATER SAMPLE								
B1-GW	**1206-102-GW**	~45	4/12/2013	<0.05 mg/L (ND)	<1.6 mg/L (ND)	<1.6 mg/L (ND)	ALL ND	ALL ND

NOTES:

(1) - Boring identification number/Caltrans Unique ID assigned

(2) - Sample depth reported in feet below the ground surface

(3) - TPH by EPA Test Method 8015M and VOCs by EPA Test Method 8260B

(4) - CRWQCB Maximum Soil Screening Levels for TPH above Drinking Water Aquifers, May 1996, in mg/Kg.

(5) - United States Environmental Protection Agency (Region 9) Regional Screening Levels (RSLs; in mg/Kg) for VOCs for industrial soil (last updated May 2012).

BOLD values are concentrations detected above the laboratory practical quantitation limit (PQL)

Grey shaded values are concentrations exceeding at least one of the respective regulatory screening levels listed for the constituent.

<10 - analyte not reported at or above stated laboratory practical quantitation limit (MDL)

ND - not detected above the laboratory practical quantitation limit (PQL)

-- No agency action level established for this constituent.

TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS - METALS
TO-01
LENS TECHNOLOGY
14256 FIRESTONE BOULEVARD, LA MIRADA, CA
Location: 07-LA-005, PM 0.0/6.8
PN: 0700001832 (EA#215921)

Field Sample ID	Caltrans Unique Sample ID	Sample Depth (feet bgs)	Sample Date	TITLE 22 METALS by EPA Test Method 6010																	Arsenic by EPA Method 6020
				Chromium	Cobalt	Copper	Lead	Molybdenum	Antimony	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Barium	Beryllium	Cadmium	Mercury	Arsenic	
CALIFORNIA HUMAN HEALTH SCREENING LEVELS (1)				*100,000*	*3,200*	*38,000*	*320*	*4,800*	*380*	*16,000*	*4,800*	*4,800*	*63*	*6,700*	*100,000*	*63,000*	*190*	*7.5*	*180*	*0.24*	*0.24*
REGIONAL SCREENING LEVELS (2)				*--*	*300*	*41,000*	*800*	*5,100*	*410*	*16,000*	*5,100*	*5100*	*10*	*5,200*	*310,000*	*190,000*	*2,000*	*7.5 (2)*	*43*	*1.6*	*1.6*
EXPECTED BACKGROUND CONCENTRATIONS (3)				*23-1579*	*2.7-46.9*	*9.1-96.4*	*12.4-97.1*	*0.1-9.6*	*380*	*9-509*	*0.015-0.430*	*13.2-39.4*	*9.8-36.2*	*75-288*	*133-236*	*133-1400*	*0.25-2.70*	*0.05-1.70*	*0.05-0.90*	*0.6-11.0*	*0.6-11.0*
SOIL SAMPLES																					
B1	**1206-101-10**	10	4/12/2013	25	15	36	7.2	3.1	<2.0	22	<1.0	<1.0	<1.0	48	55	180	<1.0	<1.0	<0.10	20	21
B1	**1206-101-15**	15	4/12/2013	22	8.5	20	4.1	<1.0	<2.0	21	<1.0	<1.0	<1.0	44	60	120	<1.0	1.4	<0.10	29	19
B1	**1206-101-20**	20	4/12/2013	10	6.3	7.0	2.2	<0.99	<2.0	7.3	<0.99	<0.99	<0.99	20	32	90	<0.99	<0.99	<0.10	1.1	NA

NOTES:

All soil results in mg/Kg

Sample depth in feet below the ground surface

<0.5 - Analyte not reported at or above stated reporting limit

(1) FOR SOIL: California Human Health Screening Levels for Commercial/Industrial Land Use, California Environmental Protection Agency, January 2005; updates 2009 & 2010 Office of Environmental Health Hazard Assessment Table 1.

(2) United States Environmental Protection Agency (Region 9) Regional Screening Levels (RSLs; in mg/Kg) for VOCs for industrial soil (last updated 2012)

(3) Marrett, D.J., A.L. Page, G.R. Bradford, D. Bakhtar, R.C. Graham, A.C. Chang, Background Levels of Soil Trace Elements in Southern California Soils, April, 1991

= Shaded cells indicate a concentration that exceeds either the RSL and/or the background concentration for that particular metal.

NA - not analyzed

Site Investigation Report
Street Area
La Mirada

SITE INVESTIGATION REPORT

City Streets and State Right-of-Way, PM 0.0/1.4
Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3
La Mirada, California

Prepared for:

California Department of Transportation (District 7)
Division of Planning
Office of Environmental Engineering and Corridor Studies
100 South Main Street, 12-297, MS-16
Los Angeles, CA 90012

Prepared by:

AMEC Geomatrix, Inc.
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

December 28, 2010

Project No. 015324004C

TABLES

TABLE 1

ANALYTICAL RESULTS FOR SOIL SAMPLES - VOLATILE ORGANIC COMPOUNDS[1]

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

(Results reported in micrograms per kilogram [µg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth meters (bgs)	Sample Depth feet (bgs)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Toluene	Other VOCs[2]
				MSSL [3]	--	--	--	11	700	--	1750	--	--	--	1750	--	300	--
				RSL [4]	21	520	--	--	--	1100	--	0.47	--	2500	--	--	--	--
				ESL [5]	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100-160	11/1/2010	1100-160-1.25	0.4	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-160-5.5	1.7	5.5	<3.8	<3.8	<3.8	2.5 J	<3.8	<3.8	<7.5	<3.8	<3.8	<3.8	<3.8	<3.8	1.9 J	ND
		1100-160-10	3.0	10	1100	130	3.6 J	**160**	550	26	**2400**	8.6	20	75	740	5.7	19	ND
1100-161	11/1/2010	1100-161-1.5	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-161-5.5	1.7	5.5	<4.1	<4.1	<4.1	1.2 J	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	0.79 J	ND
		1100-161-10	3.0	10	<3.8	<3.8	<3.8	**15**	2.7 J	<3.8	2.4 J	<3.8	<3.8	<3.8	0.97 J	<3.8	14	ND
1100-162	11/2/2010	1100-162-1.5	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-162-5.5	1.7	5.5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	ND
		1100-162-10	3.0	10	<4.5	<4.5	<4.5	3.9 J	0.96 J	4.5	<9.0	<4.5	<4.5	<4.5	<4.5	<4.5	3.3 J	ND
Investigation Derived Waste	11/2/2010	CSLM-D1-11022010	--	--	<3.9	<3.9	<3.9	1.3 J	<3.9	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	0.77 J	ND

Notes:

1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by U.S. EPA Method 8260B; refer to laboratory reports in Appendix D for list of analytes and individual method detection limits (MDLs) and practical quantitation limits (PQLs).
3. MSSL = Maximum Soil Screening Level, Los Angeles Regional Water Quality Control Board (September 2006) for sand 20 feet above groundwater (groundwater at the site is approximately 15 feet bgs). Concentrations that are equal to or exceeded the MSSL are shown in **BOLD**. MSSL concentration expressed as µg/Kg.
4. In the event that a detected constituent of concern (COC) does not have an established MSSL, the published U.S. Environmental Protection Agency Region IX (U.S. EPA, 2010) Regional Screening Levels (RSLs) listed for Protection of Groundwater Soil Screening Levels (SSLs) Risk-Based SSLs was used for screening (Table May 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL. Concentration expressed as µg/Kg).
5. If a detected COC does not have an established RSL listed for Protection of Groundwater SSLs Risk-Based SSLs, the published California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater Environmental Screening Level (ESL) was used for screening (Appendix 1, Table G, Soil Screening Levels for Leaching Concerns (Drinking Water Resource), May 2008).

Abbreviations:

bgs = below ground surface.
NA = not analyzed.
ND = not detected at or above the PQL; refer to the laboratory reports in Appendix D for individual PQLs.
J = the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
"<" = value less than the practical quantitation limit shown.
"--" = not published or not applicable.

TABLE 2

ANALYTICAL RESULTS FOR SOIL SAMPLES - TPH (CARBON CHAIN SPECIATION)[1]

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

(Results reported in milligrams per kilogram [mg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth meters (bgs)	Sample Depth feet (bgs)	C4 - C8	C9 - C10	C11 - C12	C13 - C14	C15 - C16	C17 - C18	C19 - C20	C21 - C22	C23 - C24	C25 - C26	C27 - C28	C29 - C30	C31 - C32
MSSL (<20 feet above groundwater) [2]					100			100					1,000				
1100-160	11/1/2010	1100-160-1.25	0.4	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-160-5.5	1.7	5.5	<0.87	<20	<20	<20	<20	<20	<20	<20	<20	26	59	100	110
		1100-160-10	3.0	10	17 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1100-161	11/1/2010	1100-161-1.5	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-161-5.5	1.7	5.5	<0.86	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	1.9	3.1	5.4	8.6	7.2
		1100-161-10	3.0	10	0.21 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1100-162	11/2/2010	1100-162-1.5	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-162-5.5	1.7	5.5	<0.87	<20	<20	<20	<20	<20	<20	<20	27	50	98	190	170
		1100-162-10	3.0	10	<0.71	1.3	<1.0	4.1	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.1	<1.0	<1.0
Investigation Derived Waste	11/2/2010	CSLM-D1-11022010	--	--	<0.95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	2.8	2.4	2.3

Notes:

1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. MSSL = Los Angeles Regional Water Quality Control Board, Maximum Soil Screening Levels (MSSLs) for TPH above Drinking Water Aquifers (September 2006), <20 feet above groundwater (groundwater at the site is approximately 15 feet bgs); carbon ranges are C4-C12, C13-C22, and C23-C32. MSSL concentration expressed as mg/Kg.

Abbreviations:

bgs = below ground surface.
NA = not analyzed.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
TPH = total petroleum hydrocarbons.
"<" = value less than the practical quantitation limit (PQL) shown.
"--" = not applicable.

TABLE 3

ANALYTICAL RESULTS FOR SOIL SAMPLES - METALS[1]

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

(Results reported in milligrams per kilogram [mg/Kg])

Boring ID	Sample Date	Sample ID	Sample Depth meters (bgs)	Sample Depth feet (bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (Total)	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
Commercial/Industrial CHHSL[2]					+	[3]	63,000	+	7.5[4]	100,000/37[5]	3200	38,000	320[6]	4800	16,000	4800	+	+	6700	100,000	180
RSL[7]					--	0.0013	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	--
1100-160	11/1/2010	1100-160-1.25	0.4	1.25	<2.0	0.28 J	78 J	<1.0	1.0 U	9.7	4.9 J	7.3	4.5	1.0 U	8.4	<1.0	<1.0	<1.0	24	25	0.013 J
		1100-160-5.5	1.7	5.5	<2.0	<1.0	76 J	<1.0	1.0 U	17	6.7 J	12	3.6	1.0 U	12	<1.0	<1.0	<1.0	24	36	0.017 J
		1100-160-10	3.0	10	<2.0	<1.0	120 J	<1.0	1.4	19	8.0 J	22	5.6	<1.0	17	<1.0	<1.0	<1.0	45	56	0.011 J
1100-161	11/1/2010	1100-161-1.5	0.5	1.5	<2.0	<1.0	97 J	<1.0	1.0 U	14	8.6 J	17	16	<1.0	13	0.66 J	<1.0	<1.0	32	47	0.027 J
		1100-161-5.5	1.7	5.5	<2.0	<1.0	120 J	<1.0	0.68 J	18	10 J	20	17	0.12 J	15	<1.0	<1.0	<1.0	34	59	0.033 J
		1100-161-10	3.0	10	<2.0	<1.0	130 J	<1.0	1.5	19	8.7 J	19	5.2	<1.0	19	<1.0	<1.0	<1.0	40	51	0.031 J
1100-162	11/2/2010	1100-162-1.5	0.5	1.5	<2.0	<1.0	120	<1.0	0.61 J	18	10	23	9.4	<1.0	15	0.60 J	<1.0	<1.0	39	52	0.055 J
		1100-162-5.5	1.7	5.5	<2.0	<1.0	120	<1.0	0.60 J	18	9.9	24	6.0	<1.0	16	0.58 J	<1.0	<1.0	39	53	0.052 J
		1100-162-10	3.0	10	<2.0	<1.0	100	<1.0	1.4	19	8.5	15	3.6	1.5	17	<1.0	<1.0	<1.0	46	48	0.023 J
Investigation Derived Waste	11/2/2010	CSLM-D1-11022010	--	--	<2.0	<1.0	110	<1.0	0.62 J	18	9.8	18	6.3	<1.0	14	<1.0	<1.0	<1.0	39	51	0.036 J

Notes:

1. All samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 6010B for each constituent except mercury (U.S. EPA Method 7471A).
2. CHHSL = California Human Health Screening Levels, California EPA Office of Environmental Health Hazard Assessment (Cal/EPA OEHHA; January 2005).
3. The commercial/industrial CHHSL for arsenic published by OEHHA in January 2005 is not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been replaced with the oral cancer slope factor used in the derivation of Regional Screening Levels (RSLs). The RSL (0.0013 milligrams per kilogram [mg/Kg]) was therefore considered the lowest applicable screening criterion for the screening-level evaluation.
4. The commercial/industrial CHHSL for cadmium published by OEHHA in January 2005 is incorrect and not used for comparison because the oral cancer slope factor used in the derivation of the published CHHSL has since been withdrawn. The RSL (1.4 mg/Kg) was therefore, considered the lowest applicable screening criterion for the screening-level evaluation.
5. There is no CHHSL for total chromium. The indicated values are for chromium (III) and chromium (VI), respectively.
6. The commercial/industrial CHHSL for lead published by OEHHA in January 2005 has since been revised to 320 mg/Kg (Cal/EPA, 2009).
7. RSL = U.S. EPA, Region IX, 2010. RSL Table May 2010, Protection of Groundwater Soil Screening Levels (SSLs), Risk-Based SSL.

Abbreviations:

bgs = below ground surface.
J = the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U = the analyte was positively identified, but was not detected at a concentration greater than or equal to the practical quantitation limit (PQL).
"<" = value less than the PQL shown.
"--" = not applicable.
"+" = the analyte was not detected in the samples shown. Regional Screening Levels (RSLs) and Soil Screening Levels (SSLs) therefore are not provided.

TABLE 4

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - VOLATILE ORGANIC COMPOUNDS[1]

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

(Results reported in micrograms per liter [µg/L])

Boring ID	Sample Date	Sample ID	Sample Depth meters (bgs)	Sample Depth feet (bgs)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Other VOCs[2]
				MCL[3]	--	--	--	1.0	300	--	1750	--	--	--	1750	--	--
				RSL[4]	--	--	--	--	--	--	--	0.14	--	--	--	--	--
1100-160	11/1/2010	1100-160-GWS	6.1	20	36	7.7	0.64	1.2	14	0.90	30	1.9	1.4	3.7	19	0.44 J	ND
		1100-160-GWS-DUP	6.1	20	26	5.4	0.50	0.90	10	0.71	21	1.6	1.1	2.7	13	0.38 J	ND
1100-161	11/1/2010	1100-161-GWS	6.1	20	<0.50	<0.50	<0.50	<0.50	0.33 J	<0.50	0.63 J	<0.50	<0.50	<0.50	0.32 J	<0.50	ND
1100-162	11/2/2010	1100-162-GWS	6.1	20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	ND
		1100-162-GWS-DUP	6.1	20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	ND

Notes:

1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8260B for VOCs.
2. Other VOCs = Remaining VOCs analyzed by U.S. EPA Method 8260B; refer to laboratory reports in Appendix D for a list of all analytes and individual method detection limits (MDLs) and practical quantitation limits (PQLs).
3. MCL = Maximum Contaminant Levels for Regulated Drinking Water Contaminants, California Safe Drinking Water Act & Related Laws and Regulations (CCR Title 22, Article 5.5, Section 64444). California Department of Public Health, updated September 16, 2010. MCL concentration expressed as µg/L.
4. RSL = EPA, Region IX, 2010. Regional Screening Level (RSL) Table May 2010 for tap water. RSL concentration expressed as µg/L.

Abbreviations:

bgs = below ground surface.
VOCs = volatile organic compounds.
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
ND = not detected at or above the PQL; refer to the laboratory reports in Appendix D for individual PQLs.
DUP = duplicate sample.
"<" = value less than the PQL shown.
"--" = not applicable.

TABLE 5

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES - TPH[1] (CARBON CHAIN SPECIATION)

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

(Results reported in milligrams per liter [mg/L])

Boring ID	Sample Date	Sample ID	Sample Depth meters (bgs)[2]	Sample Depth feet (bgs)	C4 - C8	C9 - C10	C11 - C12	C13 - C14	C15 - C16	C17 - C18	C19 - C20	C21 - C22	C23 - C24	C25 - C26	C27 - C28	C29 - C30	C31 - C32
				ESL[2]	0.21			0.21					0.21				
1100-160	11/1/2010	1100-160-GWS	6.1	20	<0.050	0.18	0.077	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	0.068
		1100-160-GWS-DUP	6.1	20	<0.050	0.19	0.076	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062
1100-161	11/1/2010	1100-161-GWS	6.1	20	<0.050	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062
1100-162	11/2/2010	1100-162-GWS	6.1	20	<0.050	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062
		1100-162-GWS-DUP	6.1	20	<0.050	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062

Notes:

1. Samples analyzed using United States Environmental Protection Agency (U.S. EPA) Method 8015B for carbon chain speciation.
2. ESL = Environmental Screening Level, California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Appendix 1, Table F-3, Summary of Drinking Water Screening Levels, May 2008. ESL concentration expressed as mg/L.

Abbreviations:

bgs = below ground surface.
"<" = value less than the practical quantitation limit shown.
DUP = duplicate sample.
TPH = total petroleum hydrocarbons.

TABLE 6

ANALYICAL RESULTS FOR FIELD QUALITY CONTROL SAMPLES

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

La Mirada, California

Associated Borehole Location(s)	Sample Date	Sample ID[1]	Matrix	U.S. EPA Method 8260B	U.S. EPA Method 8015B	U.S. EPA Method 6010B (mg/L)																Method 7470A/7471A (mg/L)
				VOCs	TPH (Carbon Chain Speciation)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (Total)	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
1100-160 and 1100-161	11/1/2010	1100-100-TBS-11012010	Soil	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-100-SW-11012010	Water	ND	ND	<0.0050	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0030	<0.015	<0.0030	0.011	<0.20
		1100-100-FB-11012010	Water	ND	ND	0.0055	<0.010	0.0011 J	0.00096 J	0.0010 J	0.00079 J	0.0010 J	<0.0050	<0.0050	0.0016 J	0.0010 J	<0.010	0.0028 J	<0.015	<0.0030	0.0092 J	<0.20
		1100-100-TBW-11012010	Water	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-100-EB-11012010	Water	Chloromethane (0.45 J µg/L)	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1100-162	11/2/2010	1100-100-TBS-11022010	Soil	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-100-TBW-11022010	Water	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		1100-100-EB-11022010	Water	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:

1. Sample ID Abbreviations: EB = equipment blank, FB = field blank, TBS = trip blank (soil), TBW = trip blank (water).

Abbreviations:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
mg/L = milligrams per liter.
NA = not analyzed.
ND = not detected at or above the practical quantitation limits (PQLs) or method detection limits (MDLs); refer to the laboratory reports in Appendix D for individual PQLs and MDLs.
µg/L = micrograms per liter.
VOCs = volatile organic compounds.
TPH = total petroleum hydrocarbons.
"<" = value less than the PQL shown.

TABLE 7

BORING GPS COORDINATES

City Streets and State Right-of-Way, PM 0.0/1.4

Caltrans Contract 07A2730, Task Order No. 4, Amendment No. 3

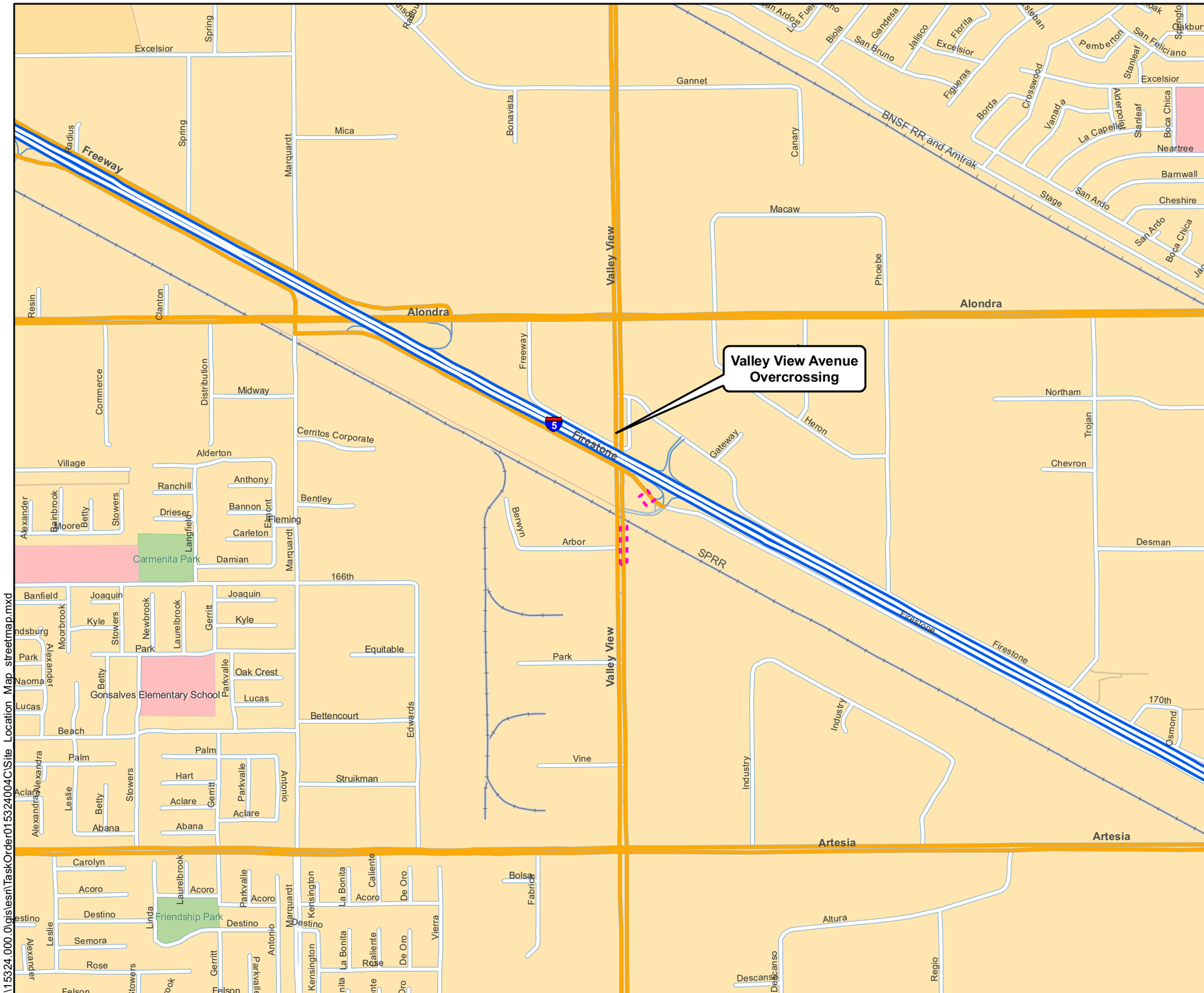
La Mirada, California

Unique ID	Boring ID	Latitude	Longitude	Northing	Easting
1100	160	33.8830669	-118.0281741	1779828.82	6553115.14
1100	161	33.8820641	-118.0287787	1779463.90	6552931.51
1100	162	33.8812918	-118.0287737	1779182.84	6552932.95

Note:

Survey coordinates using North American Datum (NAD) 83, California State Plane Zone 5 Coordinate System (feet). GPS coordinates were not measured or verified by a Professional Licensed Surveyor, and are excluded from the professional certification of this report.

FIGURES



Explanation

Area of investigation

0 500 1,000

Approximate Scale in Feet

Basemap modified from ESRI StreetMap North America, 2008.

SITE LOCATION MAP
Interstate 5/Segment 2 Improvement Project
City Street Sampling
PM 0.0/1.4
La Mirada, California

By: amv	Date: 11/22/2010	Project No.015324004C
AMEC Geomatrix	Figure	1

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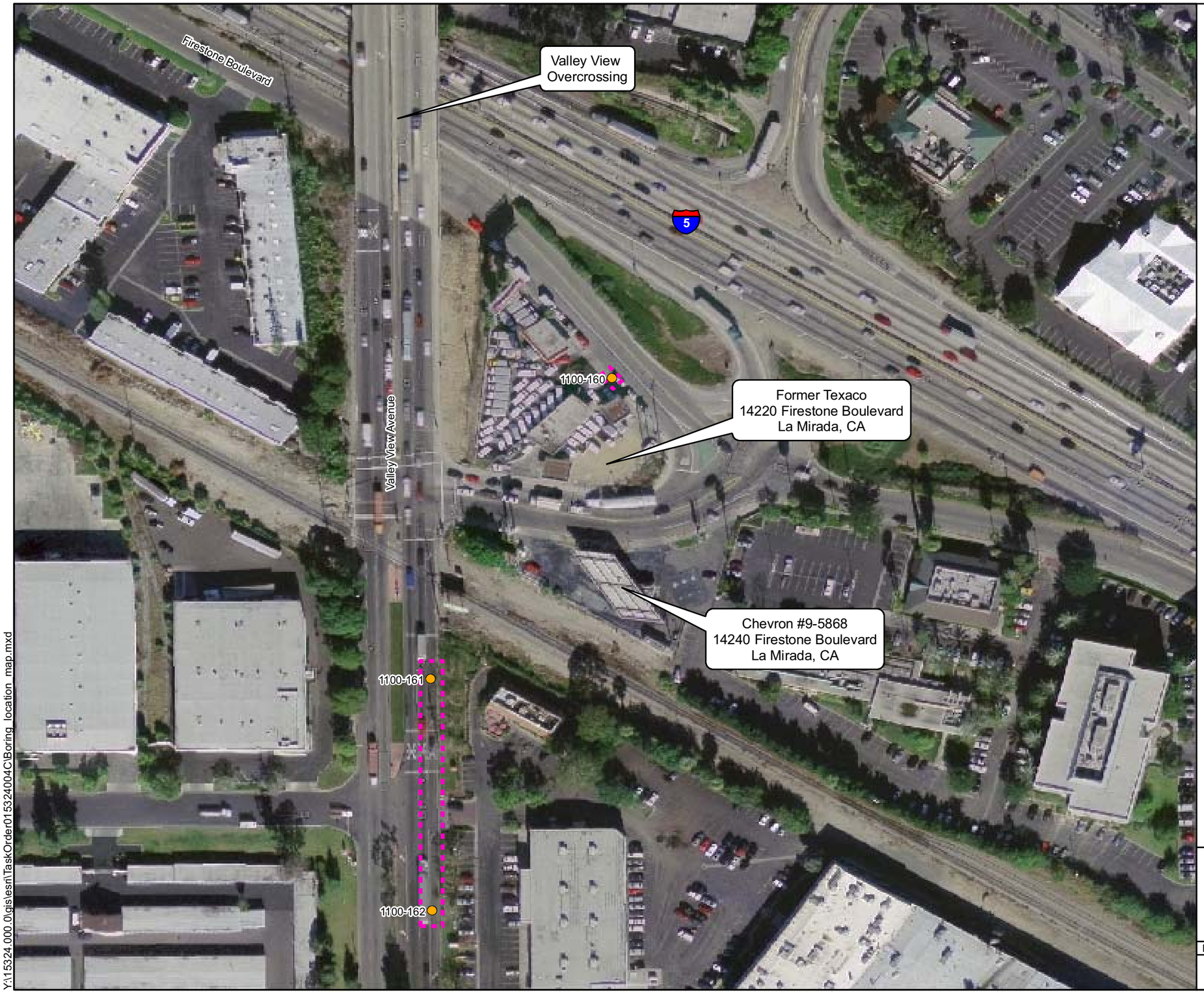

Explanation

1100-160 Soil and groundwater sampling location

Area of investigation

Note:
Boring locations are approximate.

N

0 60 120
Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

BORING LOCATION MAP
Interstate 5/Segment 2 Improvement Project
City Street Sampling
PM 0.0/1.4
La Mirada, California

By: amv	Date: 11/22/2010	Project No. 015324004C
AMEC Geomatrix	Figure	2

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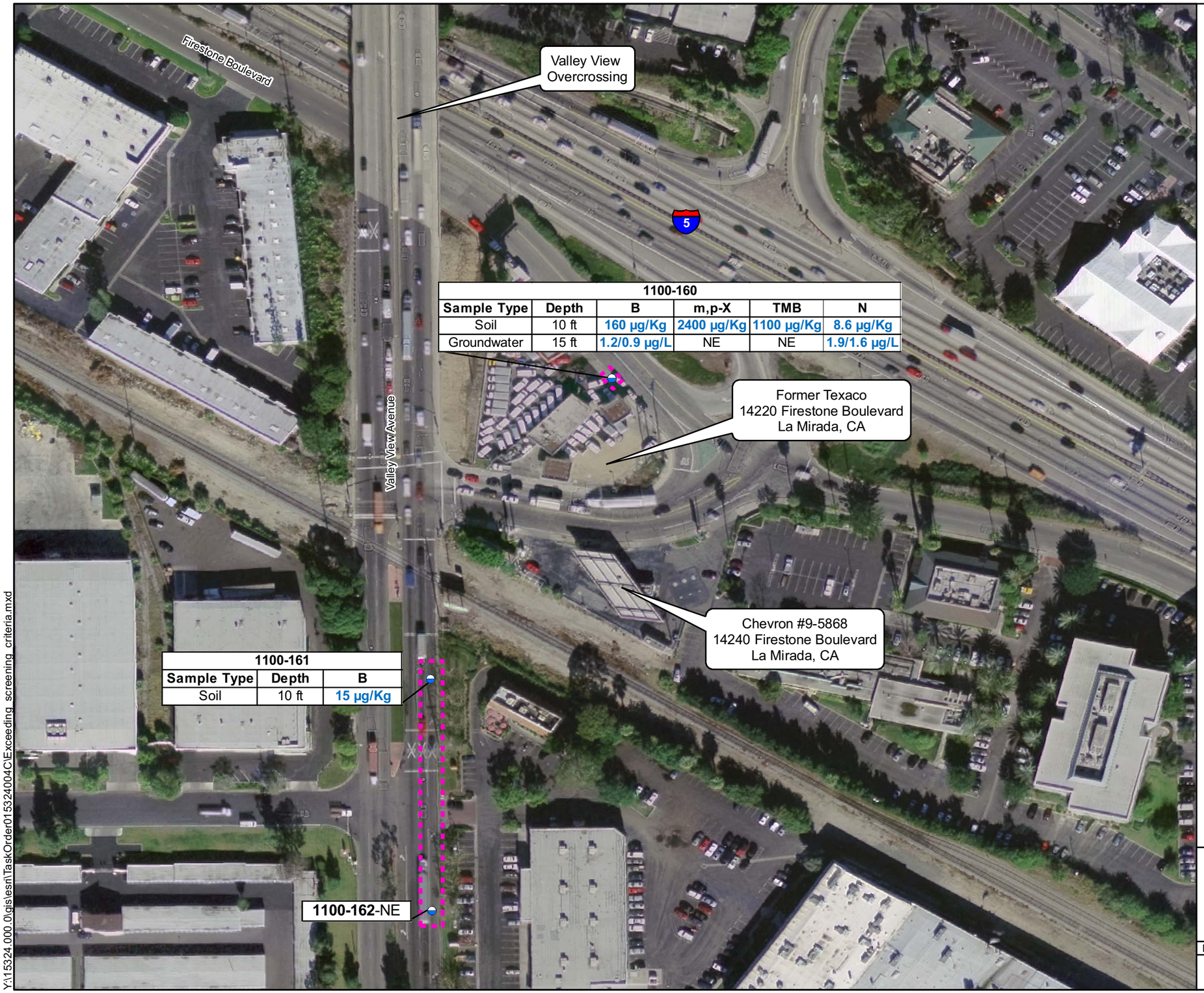

1100-160					
Sample Type	**Depth**	**B**	**m,p-X**	**TMB**	**N**
Soil	10 ft	**160 µg/Kg**	**2400 µg/Kg**	**1100 µg/Kg**	**8.6 µg/Kg**
Groundwater	15 ft	**1.2/0.9 µg/L**	NE	NE	**1.9/1.6 µg/L**

1100-161		
Sample Type	**Depth**	**B**
Soil	10 ft	**15 µg/Kg**

Explanation

1100-160 Soil and groundwater sampling location

Area of investigation

Depth Feet below ground surface

B Benzene

m,p-X m,p-Xylenes

TMB 1,2,4-Trimethylbenzene

N Napthalene

µg/L Micrograms per liter in groundwater

µg/Kg Micrograms per kilogram in soil

NE Not exceeded

Notes:
1. Boring locations are approximate.
2. **Bold** values indicate values exceeding screening criteria.

0 60 120
Approximate Scale in Feet

Basemap modified from Cal-Atlas Geospatial Clearinghouse, 2004.

INVESTIGATION DATA EXCEEDING SCREENING CRITERIA
Interstate 5/Segment 2 Improvement Project
City Street Sampling
PM 0.0/1.4
La Mirada, California

By: amv | Date: 12/15/2010 | Project No. 015324004C

AMEC Geomatrix | Figure 3

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