DEPARTMENT OF TRANSPORTATION
111 GRAND AVENUE
P.O. BOX 23660, MS-8C
OAKLAND, CA 94623-0660
PHONE (510) 286-5647
FAX (510) 286-5639
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October 31, 2012

Mr. Keith Nowell, P.G., C.H.G.
Alameda County Health Care Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Reference: **Semi-Annual Groundwater Monitoring Report (September 2012)**
Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, California

TO WHOM IT MAY CONCERN:

Attached for your review is the Semi-Annual Groundwater Monitoring Report (September 2012) for the Former Hegenberger Maintenance Station, 555 Hegenberger Avenue, Oakland, California. This report was prepared for the Alameda County Health Care Services Environmental Protection Division by Stantec Consulting Corporation.

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

If you have any questions, please don't hesitate to contact me or Stantec Project Manager Gary Messerotes at 408.356.6124 extension 252.

Sincerely,

Ravin Betancourt

For Ray Boyer, P.E.
Office of Environmental Engineering
Division of Environmental Planning & Engineering
Caltrans District 04

Stantec Consulting Services Inc.
15575 Los Gatos Boulevard Building C
Los Gatos CA 95032
Tel: (408) 356-6124
Fax: (408) 356-6138

October 31, 2012

Mr. Keith Nowell, P.G., C.H.G.
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Dear Mr. Nowell:

Reference: **Semi-Annual Groundwater Monitoring Report (September 2012)**
Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, California

Stantec Consulting Services Inc. (Stantec) has prepared this report describing the third quarter 2012 semi-annual groundwater monitoring event conducted at the California Department of Transportation (Caltrans) Former Hegenberger Maintenance Station, located at 555 Hegenberger Road, Oakland, California (Site; Figure 1). The semi-annual groundwater sampling activities were conducted in accordance with requirements stated in the letter from the Alameda County Health Care Services Agency (ACHCSA) dated February 3, 2012 and Stantec's response letter dated February 21, 2012.

The conclusions presented in this report are professional opinions based on data described herein. Limitations associated with this report are described in Appendix A.

BACKGROUND

The Site was formerly occupied by Caltrans to store and service maintenance vehicles and equipment. In September 1995, five groundwater monitoring wells (MW-1 through MW-5) were installed to assess the vertical and lateral extent of impacts to soil and groundwater from the former underground storage tanks (USTs) and pump island at the Site.

Previous groundwater monitoring events were intermittent between 1995 and 1998. Groundwater monitoring resumed in 2001 and had been conducted on an annual basis between 2001 and 2005. No groundwater sampling events were conducted between 2005 and September 2011.

The groundwater samples were originally sampled for total petroleum hydrocarbons (TPH) as gasoline (GRO); TPH as diesel (DRO); TPH as motor oil (MO); oil and grease (O&G); benzene, toluene, ethylbenzene, and xylenes (BTEX); and methyl-tertiary butyl ether (MTBE). Volatile organic compounds (VOCs) were added to the groundwater sampling program in March 2001. Due to low concentrations, the ACHCSA approved the removal of TPH-MO, O&G, MTBE, and VOCs from the groundwater monitoring program, however analysis for MTBE and other fuel oxygenates have been reinstated.

CURRENT SITE CONDITIONS

The Site currently consists of an asphalt parking lot and concrete pad and is surrounded by an eight-foot high chain link fence that is topped by barbed wire. To the immediate south of the Site is undeveloped land. Adjacent to the west of the Site is a property owned by Argonaut Holdings Inc., a Delaware limited liability company, which leases the property to TEC of California, Inc. The current tenant is a General Motors Corporation (GMC) Truck Center facility. Coliseum Way abuts the Site on the north and Hegenberger Road is adjacent to the east.

In mid to late 2012, Bay Area Rapid Transit (BART) commenced construction activities for the BART rail extension to the Oakland Airport, which runs along Hegenberger Road. A portion of this project includes concrete columns that will support the elevated rail line. Some of these columns are located along the eastern portion of the Site. The construction of these columns required a large excavation of approximately 20 feet by 20 feet and an unknown depth. At least one or two of these excavations were located in the area of suspected petroleum-impacted soil and groundwater. To Caltrans knowledge, no soil or grab groundwater samples were collected during the excavation activities.

GROUNDWATER MONITORING

Groundwater Level Measurements

On September 11, 2012, Stantec measured groundwater levels in groundwater monitoring wells MW-1 through MW-5 to the nearest 0.01-foot using a Solinst™ electronic water level meter. Depth-to-water and calculated well volumes were recorded on Groundwater Sample Field Data Sheets (Appendix B). Depth-to-water measurements and groundwater elevations are presented in Table 1; groundwater elevations are illustrated on Figure 2.

During the Site visit, Stantec observed damage to the well box for MW-2, which was caused by the construction crew working on Site for the BART extension. Stantec coordinated with the BART construction crew to replace the damaged well box on October 23, 2012.

Monitoring Well Purging and Sampling

On September 11, 2012, MW-1 through MW-5 were purged and sampled with the exception of MW-3 and MW-5 which went dry during purging activities. Samples were collected from MW-3 and MW-5 the following day to allow for recharge. Clean disposable bailers were used to purge and sample each well. Physical parameters, including pH, temperature, oxidation reduction potential (ORP), conductivity, and clarity, were monitored during purging and recorded on field data sheets (Appendix B).

Groundwater samples were transferred from the bailers to laboratory-supplied containers. Sample containers were sealed, labeled, and placed on ice for transport to APPL Laboratories in Clovis, California, a California-certified analytical laboratory. Field instruments were cleaned with a non-phosphate cleanser, a tap-water rinse, and a final de-ionized water rinse prior to use and between each well sampled. New nitrile gloves were used for each sampling point. Rinse and purge water was containerized in a 55-gallon drum, pending analysis.

Analytical Methods

The groundwater samples from each well were analyzed for TPH-GRO and TPH-DRO by EPA Method 8015B with silica gel cleanup, and for fuel oxygenates including BTEX, MTBE, tertiary amyl

methyl ether (TAME), ethyl tertiary butyl ether (ETBE), diisopropyl ether (DIPE), tertiary butyl alcohol (TBA), ethylene dibromide (EDB), and 1,2-dichloroethane (EDC) by EPA Method 8260B.

GROUNDWATER MONITORING RESULTS

The current groundwater flow direction continues to exhibit a radial pattern outward from MW-1. As previously stated in Stantec's *Site Conceptual Model and Current Subsurface Investigation Results* report for this Site, dated June 7, 2012, it is believed that the former UST excavation near MW-1, extending to approximately 18 ft below ground surface (bgs), accumulates precipitation within the more permeable backfill of the former UST excavation and flows radially outward from the excavation. This groundwater trend was documented in Appendix E of the aforementioned *Site Conceptual Model* report for 13 events of groundwater monitoring at the Site. Historical and current groundwater elevations are presented in Table 1.

DATA SUMMARY

Concentrations of TPH constituents, BTEX, and fuel oxygenates from this sampling event were generally within historic concentration ranges. TPH-GRO concentrations ranged between 11 micrograms per liter (µg/L) (MW-2) and 2,500 µg/L (MW-4); TPH-DRO concentrations ranged between <40.40 µg/L (MW-2) to 470 µg/L (MW-1); and benzene concentrations ranged between <0.16 µg/L (MW-2) to 92 µg/L (MW-4).

The San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs, May 2008) where groundwater is not a current or potential source of drinking water for Commercial/Industrial land use was exceeded in groundwater monitoring wells MW-1, MW-3, MW-5 for TPH-GRO and TPH-DRO and in MW-4 for TPH-GRO, TPH-DRO, and benzene. All other analytes were below their respective ESLs or were not detected above the laboratory method detection limit.

QUALITY CONTROL

Stantec reviewed laboratory quality control (QC) data provided in the certified analytical reports. Based on the review, the groundwater analytical data are of adequate quality for the intended use.

A duplicate groundwater sample was collected (Dup-1) and the analytical results were within acceptable limits of the initial sample. Table 2 presents a summary of groundwater analytical results from the Site monitoring wells; the complete Certified Analytical Laboratory Reports and chain-of-custody documents are included in Appendix C.

FUTURE ACTIVITIES

Stantec is awaiting response from the ACHCSA regarding the findings of the *Site Conceptual Model* submitted in June 2012. Stantec will continue semi-annual groundwater monitoring at the Site in the first quarter 2013.

If you have any questions regarding this submittal, please contact Gary Messerotes at (408) 356-6124 extension 252.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Jack C. Hardin
Managing Principal

Gary P. Messerotes, P.G.
Project Manager

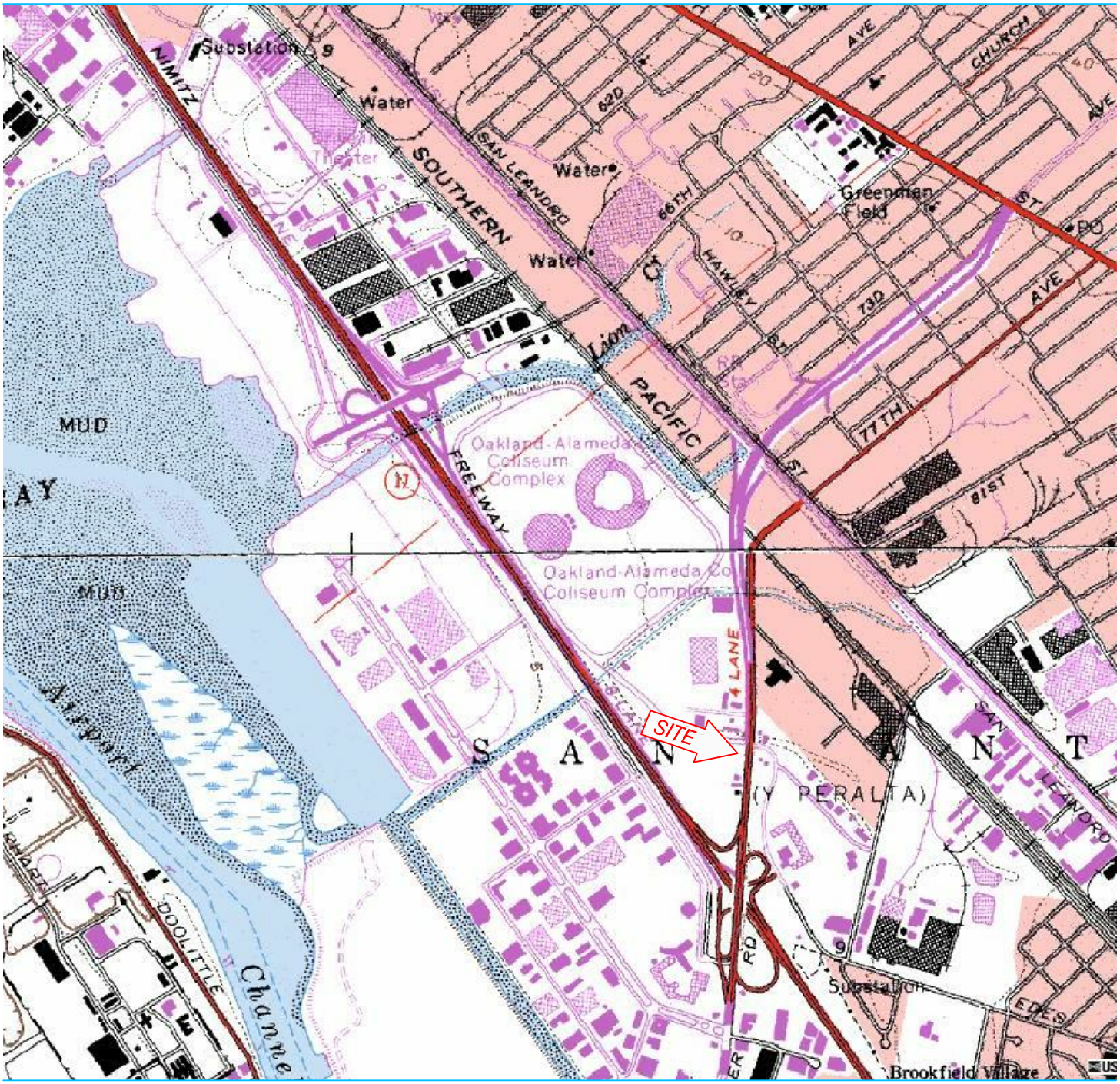
Attachments:

Table 1 – Historical Groundwater Elevation Data
Table 2 – Historical Groundwater Analytical Results

Figure 1 – Site Location Map
Figure 2 – Groundwater Elevations – Third Quarter 2012

Appendix A – Statement of Limitations
Appendix B – Sample Field Data Sheets
Appendix C – Certified Analytical Laboratory Reports and Chain-of-Custody Documents

FIGURES



North

CALIFORNIA

1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, OAKLAND, CALIFORNIA

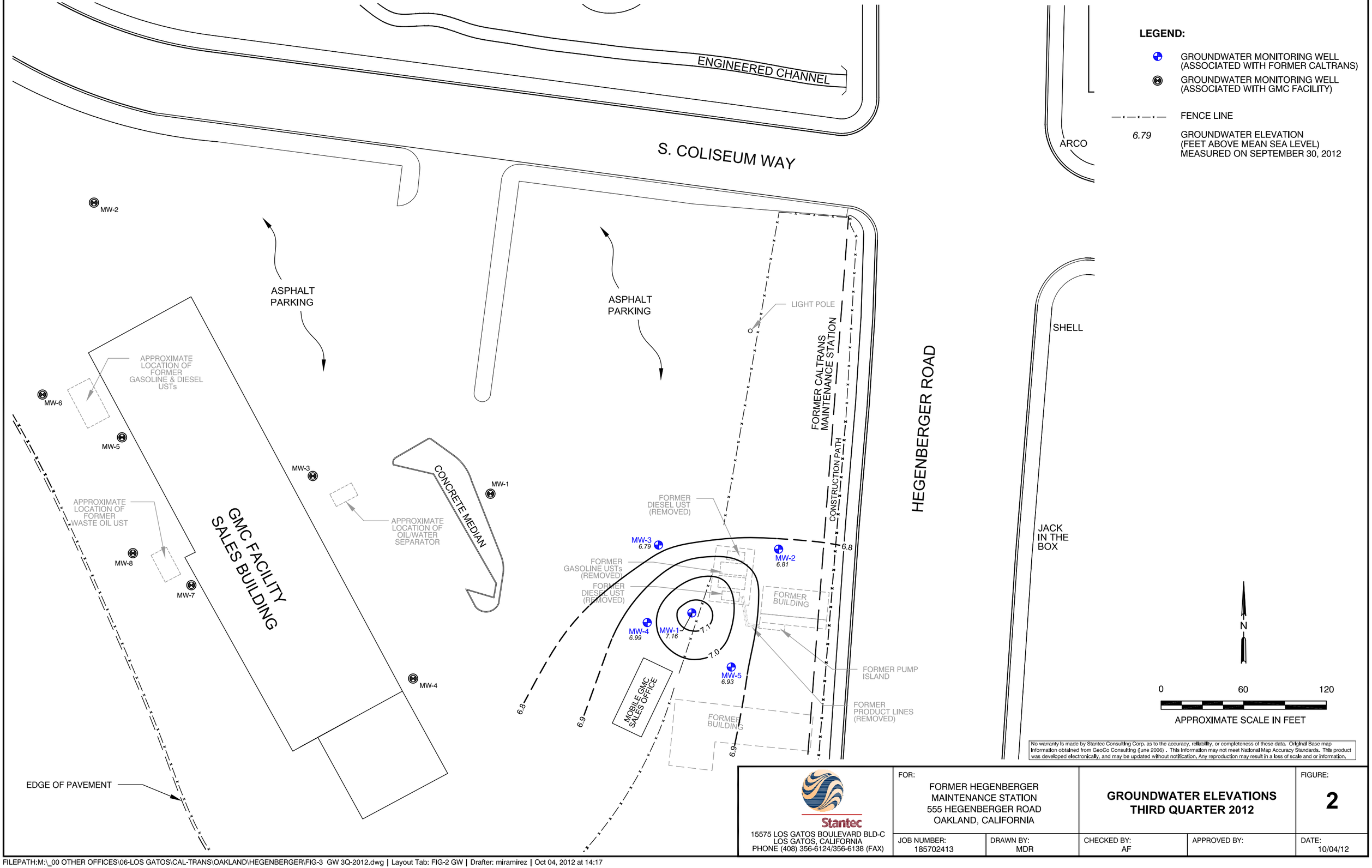
Stantec
15575 LOS GATOS BOULEVARD BLD-C
LOS GATOS, CALIFORNIA
PHONE (408) 356-6124/356-6138 (FAX)

FOR:
FORMER HEGENBERGER
MAINTENANCE STATION
555 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702413	MDR	AF	--	10/13/11



Stantec
15575 LOS GATOS BOULEVARD BLD-C
LOS GATOS, CALIFORNIA
PHONE (408) 356-6124/356-6138 (FAX)

FOR:
FORMER HEGENBERGER MAINTENANCE STATION
555 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATIONS THIRD QUARTER 2012

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702413	MDR	AF		10/04/12

FILEPATH:M:_00 OTHER OFFICES\06-LOS GATOS\CAL-TRANS\OAKLAND\HEGENBERGER\FIG-3 GW 3Q-2012.dwg | Layout Tab: FIG-2 GW | Drafter: miramirez | Oct 04, 2012 at 14:17

TABLES

TABLE 1
Historical Groundwater Elevation Data
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road, Oakland, CA

Sample ID	Well Screen Interval (feet)	Date	TOC Elevation (feet, msl)	DTW (feet)	GW Elevation (feet, msl)
MW-1	4.5-19.5	10/11/95	99.73	6.55	93.18
		01/17/96	99.73	5.64	94.09
		04/16/96	99.73	5.46	94.27
		08/26/96	99.73	5.91	93.82
		11/14/96	99.73	6.16	93.57
		02/18/98	99.73	3.82	95.91
		03/30/01	99.73	6.19	93.54
		*12/26/01	10.26	4.08	6.18
		*09/30/02	10.26	5.79	4.47
		*02/20/03	10.26	4.49	5.77
		*01/12/04	10.26	4.41	5.85
		*05/12/05	10.26	4.45	5.81
		*09/29/11	10.26	5.57	4.69
		**03/30/12	13.31	3.50	9.81
		09/11/12	13.31	6.15	7.16
MW-2	5-20	10/11/95	99.68	6.88	92.80
		01/17/96	99.68	5.32	94.36
		04/16/96	99.68	5.81	93.87
		08/26/96	99.68	5.98	93.70
		11/14/96	99.68	6.72	92.96
		02/18/98	99.68	5.01	94.67
		03/30/01	99.68	6.54	93.14
		*12/26/01	10.22	5.53	4.69
		*09/30/02	10.22	6.48	3.74
		*02/20/03	10.22	5.98	4.24
		*01/12/04	10.22	5.69	4.53
		*05/12/05	10.22	5.55	4.67
		*09/29/11	10.22	6.21	4.01
		**03/30/12	13.10	5.00	8.10
		09/11/12	13.10	6.29	6.81
MW-3	4.5-19.5	10/11/95	98.92	6.42	92.50
		01/17/96	98.92	5.82	93.10
		04/16/96	98.92	5.85	93.07
		08/26/96	98.92	5.72	93.20
		11/14/96	98.92	6.28	92.64
		02/18/98	98.92	4.65	94.27
		03/30/01	98.92	5.62	93.30
		*12/26/01	9.46	4.66	4.80
		*09/30/02	9.46	5.84	3.62
		*02/20/03	9.46	5.55	3.91
		*01/12/04	9.46	4.77	4.69
		*05/12/05	9.46	4.63	4.83
		*09/29/11	9.46	5.50	3.96
		**03/30/12	12.34	2.75	9.59
		09/11/12	12.34	5.55	6.79

TABLE 1
Historical Groundwater Elevation Data
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road, Oakland, CA

Sample ID	Well Screen Interval (feet)	Date	TOC Elevation (feet, msl)	DTW (feet)	GW Elevation (feet, msl)
MW-4	4-19	10/11/95	99.46	6.63	92.83
		01/17/96	99.46	5.77	93.69
		04/16/96	99.46	5.89	93.57
		08/26/96	99.46	6.14	93.32
		11/14/96	99.46	6.72	92.74
		02/18/98	99.46	5.02	94.44
		03/30/01	99.46	6.21	93.25
		*12/26/01	10.00	5.37	4.63
		*09/30/02	10.00	6.40	3.60
		*02/20/03	10.00	5.83	4.17
		*01/12/04	10.00	5.41	4.59
		*05/12/05	10.00	5.59	4.41
		*09/29/11	10.00	6.23	3.77
		**03/30/12	12.85	3.30	9.55
		09/11/12	12.85	5.86	6.99
MW-5	5-20	10/11/95	99.91	6.68	93.23
		01/17/96	99.91	5.74	94.17
		04/16/96	99.91	5.85	94.06
		08/26/96	99.91	5.99	93.92
		11/14/96	99.91	6.70	93.21
		02/18/98	99.91	5.74	94.17
		03/30/01	99.91	6.73	93.18
		*12/26/01	10.34	5.23	5.11
		*09/30/02	10.34	6.18	4.16
		*02/20/03	10.34	5.80	4.54
		*01/12/04	10.34	5.60	4.74
		*05/12/05	10.34	6.18	4.16
		*09/29/11	10.34	6.37	3.97
		**03/30/12	13.33	4.61	8.72
		09/11/12	13.33	6.40	6.93

Notes
Data prior to September 29, 2011 was provided by Geocon Consultants, Inc.
TOC = Top of Casing
DTW = Depth to groundwater
GW = groundwater
msl = mean sea level
* Monitoring wells were resurveyed with latitude and longitude coordinates referenced to the California state Coordinate system, Zone III (NAD83) and elevations reverenced to NGVD 29 Benchmark Elevation = 10.76 feet
** Stantec resurveyed the wells on March 30, 2012. Latitude and longitude were determined from the US State Plane Zone 3 Coordinate System, NAD 83 Datum; elevations were measured against a NAVD 88 Benchmark and referenced to mean sea level.

Table 2
Historical Groundwater Analytical Results
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

Sample ID	Date	TPH-GRO (µg/L)	TPH-DRO (µg/L)	TPH-MO (µg/L)	O&G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	TDS (mg/L)	Salinity (s)
ESL where groundwater IS NOT a current or potential source of drinking water		210	210	210	210	46	130	43	100	1,800	NE	NE	NE	NE	18,000	NE	200	NE	NE
MW-1	10/11/1995	**720**	<50	<50	<5,000	**660**	13	4.7	2.8	--	--	--	--	--	--	--	--	--	--
	1/17/1996	**4,400**	<50	<50	--	**1,000**	30	21	17	--	--	--	--	--	--	--	--	--	--
	4/16/1996	**6,050**	**7,450**	--	--	**914**	34.7	34.4	15.8	--	--	--	--	--	--	--	--	--	--
	8/26/1996	**3,800**	**430**	--	--	**780**	23	21	20	--	--	--	--	--	--	--	--	--	--
	11/14/1996	**2,600**	**270**	--	--	**500**	18	14	8.9	--	--	--	--	--	--	--	--	--	--
	2/18/1998	**3,100**	**800**	--	--	**240**	18	7.8	11	20	--	--	--	--	--	--	--	--	--
	3/30/2001	**3,600**	**480**	--	--	**150**	13	0.7	10.8	<0.5	<5	--	--	--	--	--	--	--	--
	12/26/2001	**3,000**	**1,100**	--	--	**86**	11	3.4	10.5	<5	Isopropylbenzene = 7.9	--	--	--	--	--	--	--	--
											n-butylbenzene = 5.1	--	--	--	--	--	--	--	--
											n-propylbenzene = 5.9	--	--	--	--	--	--	--	--
	9/30/2002	**590**	<50	--	--	12	2.7	<0.5	1.6	<0.5	--	--	--	--	--	--	--	--	--
	2/20/2003	**2,660**	--	--	--	36.9	10.6	7	18.1	<5	--	--	--	--	--	--	--	--	--
	1/12/2004	**1,610**	--	--	--	6.8	1.8	1.8	1.4	--	--	--	--	--	--	--	--	--	--
	5/12/2005	**1,200**	--	--	--	20	<5	<5	<5	--	--	--	--	--	--	--	--	--	--
	9/30/2011	**950**	**530**[++]	--	--	14	6.5	0.36[J]	6.9	<0.19	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
	3/30/2012	**630**	**280**[++]	--	--	14	4.4	0.36[J]	4.9	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	435	0.44 [J]
	9/11/2012	**600**	**470**[++]	--	--	5.5	4.7	0.30[J]	6.0	<0.26	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
MW-2	10/11/1995	<50	<50	<50	<5,000	<0.3	<0.3	<0.3	<0.5	--	--	--	--	--	--	--	--	--	--
	1/17/1996	**4,900**	<50	<50	--	**2,100**	<1.5	<15	<15	--	--	--	--	--	--	--	--	--	--
	4/16/1996	<50	<50	--	--	1.0	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	8/26/1996	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	11/14/1996	<50	56	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	2/18/1998	<50	**260**	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	3/30/2001	<200	**370**	--	--	2.7	0.8	<0.5	0.8	<0.5	<5	--	--	--	--	--	--	--	--
	12/26/2001	86	140	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--	--	--	--
	9/30/2002	<50	<50	--	--	<0.5	<5	<0.5	<1.5	<0.5	--	--	--	--	--	--	--	--	--
	2/20/2003	110	--	--	--	6.6	<0.5	<0.5	<1	<0.5	--	--	--	--	--	--	--	--	--
	1/12/2004	67	--	--	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--	--	--
	5/12/2005	**330**	--	--	--	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
	9/30/2011	130	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.19	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
	3/30/2012	120	<40.40	--	--	0.32 [J]	0.24 [J]	<0.23	0.44 [J]	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	853	0.93 [J]
	9/11/2012	13[J]	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.26	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
DUP-1	9/11/2012	11[J]	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.26	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
MW-3	10/11/1995	**1,300**	<50	<50	<5,000	1.0	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--
	1/17/1996	171	<50	<50	--	**64**	<0.3	1	<0.3	--	--	--	--	--	--	--	--	--	--
	4/16/1996	**6,740**	**565**	--	--	**2,770**	31	13.9	21.9	--	--	--	--	--	--	--	--	--	--
	8/26/1996	**700**	**700**	--	--	**180**	4.2	1	4.6	--	--	--	--	--	--	--	--	--	--
	11/14/1996	**300**	120	--	--	6.2	1.2	0.7	1.4	--	--	--	--	--	--	--	--	--	--
	2/18/1998	**11,000**	**2,500**	--	--	**3,070**	50	**54**	19	25	--	--	--	--	--	--	--	--	--
	3/30/2001	**9,900**	**490**	--	--	**2,000**	48	39	39	<0.5	Isopropylbenzene = 92	--	--	--	--	--	--	--	--
											n-butylbenzene = 38	--	--	--	--	--	--	--	--
											n-propylbenzene = 280	--	--	--	--	--	--	--	--
											sec-butylbenzene = 13	--	--	--	--	--	--	--	--
	12/26/2001	**9,400**	**1,700**	--	--	**1,500**	45	33	28	12	Isopropylbenzene = 85	--	--	--	--	--	--	--	--
											n-butylbenzene = 39	--	--	--	--	--	--	--	--
											n-propylbenzene = 250	--	--	--	--	--	--	--	--
	9/30/2002	**2,020**	**570**	--	--	**775**	17.2	1	8.4	<0.5	--	--	--	--	--	--	--	--	--
	2/20/2003	**4,010**	--	--	--	**1,120**	<50	<50	<100	<50	--	--	--	--	--	--	--	--	--
	1/12/2004	**3,520**	--	--	--	**632**	26.9	<25	<50	--	--	--	--	--	--	--	--	--	--
	5/12/2005	**5,200**	--	--	--	**1,000**	30	20	10	--	--	--	--	--	--	--	--	--	--
	9/30/2011	**3,800**	**900**[++]	--	--	**390**	16	1.1	14	<0.14	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
	3/30/2012	**5,400**	**780**[++]	--	--	**640**	29	10	24	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	1,380	1.6 [J]
	9/12/2012	**2,000**	**210**[++]	--	--	22	7.4	<0.23	5.8	<0.26	--	<0.14	<0.19	0.27[J]	<10.00	<0.20	<0.14	--	--

Table 2
Historical Groundwater Analytical Results
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

Sample ID	Date	TPH-GRO (µg/L)	TPH-DRO (µg/L)	TPH-MO (µg/L)	O&G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	TDS (mg/L)	Salinity (s)
ESL where groundwater IS NOT a current or potential source of drinking water		210	210	210	210	46	130	43	100	1,800	NE	NE	NE	NE	18,000	NE	200	NE	NE
MW-4	10/11/1995	**500**	<50	<50	<5,000	17	1.1	<0.3	0.5	--	--	--	--	--	--	--	--	--	--
	1/17/1996	**460**	<50	<50	--	**72**	4.1	<0.3	1.7	--	--	--	--	--	--	--	--	--	--
	4/16/1996	**2,200**	<50	--	--	**851**	7.7	1.4	5.7	--	--	--	--	--	--	--	--	--	--
	8/26/1996	**300**	110	--	--	**55**	4.9	1.2	<0.5	--	--	--	--	--	--	--	--	--	--
	11/14/1996	200	200	--	--	3.4	<0.5	--	<0.5	--	--	--	--	--	--	--	--	--	--
	2/18/1998	**1,500**	**260**	--	--	**320**	9.1	1	0.6	1.7	--	--	--	--	--	--	--	--	--
	3/30/2001	**2,700**	**350**	--	--	**320**	16	5.3	13.6	<0.5	Isopropylbenzene = 6.4	--	--	--	--	--	--	--	--
	12/26/2001	**600**	200	--	--	33	3	<0.5	1.7	0.8	<5	--	--	--	--	--	--	--	--
	9/30/2002	67	<50	--	--	<0.5	<0.5	<0.5	<1.5	<0.5	--	--	--	--	--	--	--	--	--
	2/20/2003	**570**	--	--	--	**107**	<10	<10	<2.0	<10	--	--	--	--	--	--	--	--	--
	1/12/2004	**700**	--	--	--	**122**	13.5	0.6	8.8	--	--	--	--	--	--	--	--	--	--
	5/12/2005	**760**	--	--	--	14	5.7	<5	<5	--	--	--	--	--	--	--	--	--	--
	9/30/2011	14 J	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.19	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
DUP-1	9/30/2011	15 J	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.19	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
	3/30/2012	**2,200**	**340** ++	--	--	**340**	23	2.8	19	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	731	0.80 J
DUP-1	3/30/2012	**2,300**	**310** ++	--	--	**330**	23	2.9	19	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
	9/11/2012	**2,500**	**310** ++	--	--	**92**	16	1.3	16	<0.52	--	<0.28	<0.38	<0.32	<20.00	<0.40	<0.28	--	--
MW-5	10/11/1995	**1,000**	<50	<50	<5,000	45	15	1.9	6.1	--	--	--	--	--	--	--	--	--	--
	1/17/1996	<50	<50	<50	--	2	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--
	4/16/1996	**1,740**	**855**	--	--	**157**	20.1	3.9	22.4	--	--	--	--	--	--	--	--	--	--
	8/26/1996	**900**	**270**	--	--	**55**	6.4	0.9	3.7	--	--	--	--	--	--	--	--	--	--
	11/14/1996	**700**	**320**	--	--	31	5.7	0.7	0.38	--	--	--	--	--	--	--	--	--	--
	2/18/1998	**1,200**	**580**	--	--	14	5.2	0.8	5.5	**9.5**	--	--	--	--	--	--	--	--	--
	3/30/2001	**1,500**	**480**	--	--	7.2	6.5	<0.5	10.7	<0.5	n-propylbenzene = 5.1	--	--	--	--	--	--	--	--
	12/26/2001	**5,000**	**7,200**	--	--	0.8	10.5	3.8	10.5	3.6	Isopropylbenzene = 6	--	--	--	--	--	--	--	--
	9/30/2002	**560**	**430**	--	--	1.8	5.2	<0.5	6.5	<0.5	--	--	--	--	--	--	--	--	--
	2/20/2003	**1,040**	--	--	--	<2.5	8.6	<2.5	11.3	<2.5	--	--	--	--	--	--	--	--	--
	1/12/2004	**1,820**	--	--	--	4.2	8	0.6	12.8	--	--	--	--	--	--	--	--	--	--
	5/12/2005	**1,300**	--	--	--	<5	<5	<5	<5	--	--	--	--	--	--	--	--	--	--
	9/30/2011	**960**	**440** ++	--	--	0.34 J	0.52 J	<0.23	1.8	<0.19	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
	3/30/2012	200	**270** ++	--	--	1.5	2.4	<0.23	5.2	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
	9/12/2012	**550**	**200** ++	--	--	1.0	1.6	<0.23	3.2	<0.26	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--
Trip Blank	3/30/2012	<8.60	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
	9/6/2012	<8.60	--	--	--	<0.16	<0.17	<0.23	<0.19	<0.26	<0.14 - <10.00	--	--	--	--	--	--	--	--
EB-1	9/30/2011	<8.60	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.19	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
EB-1	3/30/2012	<8.60	<40.40	--	--	<0.16	0.20 J	<0.23	0.26 J	<0.26	<0.14 - <10.00	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	576	0.57 J
EB-1	9/12/2012	<8.60	<40.40	--	--	<0.16	<0.17	<0.23	<0.19	<0.26	--	<0.14	<0.19	<0.16	<10.00	<0.20	<0.14	--	--

Notes:
Data prior to September 30, 2011 was provided by Geocon Consultants, Inc.
All groundwater concentrations measured in micrograms per Liter (µg/L)
BOLD denote concentration levels at or above ESL where groundwater IS NOT a potential drinking water source for Commercial/Industrial land use as set forth by the San Francisco Bay Regional Water Quality Control Board in May 2008
amsl - above mean sea level
ESL = Environmental Screening Level for Commercial/Industrial Land Use
NE = Not established for compounds detected
TPH-GRO = Total petroleum hydrocarbons as gasoline range organics
TPH-DRO = Total petroleum hydrocarbons as diesel range organics
TPH-MO = Total petroleum hydrocarbons as motor oil range organics
O&G = Oil and Grease
MTBE = Methyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
ETBE = Ethyl tertiary butyl ether
DIPE = Diisopropyl ether
TBA = Tertiary butyl alcohol
EDB = Ethylene dibromide
EDC = 1,2-dicholorethane
Only volatile organic compounds detected above laboratory reporting limits or practical quanitation limits are noted
-- = Analysis not performed
++ = The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.
J = Estimated value.

APPENDIX A
STATEMENT OF LIMITATIONS

Stantec	LIMITATIONS AND CERTIFICATIONS FOR NON-PHASE I REPORTS	QA/QC-302B	
		Page 1 of 1	
		Rev. 1.1	Apr 3, 2007

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the Site. It was prepared for the exclusive use of The California Department of Transportation (Caltrans) for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Prepared by:

Alicia Jansen
Project Scientist

Reviewed by:

Jack Hardin
Managing Principal

All information, conclusions, and recommendations provided by Stantec in this document regarding the Site have been prepared under the supervision of and reviewed by the Licensed Professional whose signature appears below:

Licensed Approver:

Name: **Gary P. Messerotes, P.G.**

Signature:

Date: 10/31/12

Stamp:

APPENDIX B
GROUNDWATER SAMPLE FIELD DATA SHEETS

STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. 185702413 Purged By: CM Well I.D.: MW-1
Client Name: Caltrans Sampled By: TR Sample I.D.: MW-1
Location: 555 Hegenberger, Oakland What QA Samples?: ~

Date Purged: 9/11/12 Start (2400hr): 1014 End (2400hr): 1040
Date Sampled: 9/11/12 Sample Time (2400hr): 1220

Casing Diameter:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )
			✓				

Total depth (feet) = 19.51 Casing Volume (gal) = 9
Depth to water (feet) = 6.15 Calculated Purge (gal) = 27 (3 casing vols.)
Water column height (feet) = 13.36 Actual Purge (gal) = 27
80% @ 8.32

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
9/11/12	1014	0	20.9	1208	7.34	clear	6.15	-105
	1018	9	21.1	1272	7.22	lt. grey	—	-93
	1025	18	20.8	1296	7.34	drk. grey	—	-81
	1040	27	21.2	1286	7.93	" "	17.74	-51
	1212						7.82	

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: _____
Pump Depth: _____ (feet)

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: _____

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: _____

Analyses: Fuel Oxygenates / TPH-G / TPH-D
Sample Vessel / Preservative: 5 VOA HCl, 2 1L Amber Odor: strong HC odor

Well Integrity: good
Remarks: _____

Signature: _____

STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. 185702413 | Purged By: CM | Well I.D.: MW-2
Client Name: Caltrans | Sampled By: DR | Sample I.D.: MW-2
Location: 555 HEGENBERGER RD, OAKLAND | What QA Samples?: DUP-1

Date Purged: 9/11/2012 | Start (2400hr): 1127 | End (2400hr): 1143
Date Sampled: 9/11/12 | Sample Time (2400hr): 1300

Casing Diameter:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = 19.11 | Casing Volume (gal) = 8.6
Depth to water (feet) = 6.29 | Calculated Purge (gal) = 26 (3 casing vols.)
Water column height (feet) = 12.82 | Actual Purge (gal) = 27
90% @ 8.85

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
9/11/12	1127	0	24.0	2666	7.09	clear	6.29	-126
	1132	9	23.1	2842	7.02	dk. grey	—	-108
	1137	18	22.2	2677	7.03	" "	—	-115
	1143	27	21.7	2409	7.09	" "	16.31	-121
	1255						6.70	

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: _____
Pump Depth: _____ (feet)

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: _____

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: _____

Analyses: Fuel Oxygenates / TPH-G / TPH-D
Sample Vessel / Preservative: 5 VOA w/HCl, 2 1-L Amber | Odor: Strong HC odor

Well Integrity: Poor. Well box lid sheared-off in re-grading.
Remarks: Casing ok, cap ok, dirt packed in box around casing.

Signature: _____

STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. 185702413 Purged By: C M Well I.D.: MW-3
Client Name: Caltrans Sampled By: T R Sample I.D.: MW-3
Location: 555 HEGENBERGER RD, OAKLAND What QA Samples?: —

Date Purged: 9/11/12 Start (2400hr): 0915 End (2400hr): 1045
Date Sampled: 9/12/12 Sample Time (2400hr): 0745

Casing Diameter:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )
			✓				

Total depth (feet) = 19.56 Casing Volume (gal) = 9.4
Depth to water (feet) = 5.55 Calculated Purge (gal) = 28.2 (3 casing vols.)
Water column height (feet) = 14.01 Actual Purge (gal) = 30
0.00 % @ 8.35' bgs.

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
9/11/12	0915	0	22.5	8626	6.65	clear	5.55	-68
	0920	10	22.1	8743	6.77	dk. grey	—	-67
	0925	20	20.7	8788	6.83	"	—	-73
	1045	30	21.7	7541	7.33	"	18.96	-76
	1224						16.68	
	1355						14.76	
9/12/12	0743						6.50	

D.O. ____ mg/l, ____ %

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: ____
Pump Depth: ____ (feet)

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: ____

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: ____

Analyses: Fuel oxygenates / TPH-G / TPH-D
Sample Vessel / Preservative: 5 VOA w/HCl, 2 1-L Amber Odor: mod. HC odor

Well Integrity: good
Remarks: ____

Signature: [signature]

STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. 185702413 | Purged By: CM | Well I.D.: MW-4
Client Name: Caltrans | Sampled By: TR | Sample I.D.: MW-4
Location: 555 Hegenberger | What QA Samples?:

Date Purged: 9/11/12 | Start (2400hr): 0936 | End (2400hr): 0952
Date Sampled: 9/11/12 | Sample Time (2400hr): 1000

Casing Diameter:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = 16.73 | Casing Volume (gal) = 7.3
Depth to water (feet) = 5.86 | Calculated Purge (gal) = 21.9 (3 casing vols.)
Water column height (feet) = 10.87 | Actual Purge (gal) = 24
80% @ 8.03' bgs

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
9/11/12	0936	0	23.3	3267	6.97	clear	5.86	-92
	0942	8	23.7	4510	6.92	drk. grey	—	-96
	0946	16	23.6	4507	6.95	" "	—	-98
	0952	24	23.6	4399	6.99	" "	6.33	-95

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: _____
Pump Depth: _____ (feet)

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: _____

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: _____

Analyses: Fuel oxygenates / TPH-G / TPH-D
Sample Vessel / Preservative: 5 VOA w/ HCl, 2 1-L Amber | Odor: strong HC odor

Well Integrity: good. no bolts on well box lid
Remarks:

Signature:

STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. 185702413 Purged By: CM Well I.D.: MW-5
Client Name: Caltrans Sampled By: TR Sample I.D.: MW-5
Location: 55 Hegenberger, OAK What QA Samples?: —

Date Purged: 9/11/12 Start (2400hr): 1057 End (2400hr): 1248
Date Sampled: 9/12/12 Sample Time (2400hr): 0820

Casing Diameter:	2"___	3"___	4" ✓	5"___	6"___	8"___	Other___
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = 19.38 Casing Volume (gal) = 9
Depth to water (feet) = 6.40 Calculated Purge (gal) = 27 (3 casing vols.)
Water column height (feet) = 12.98 Actual Purge (gal) = 27
80% @ 9' bgs

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
9/11/12	1057	0	23.0	1591	7.45	clear	6.40	-126
	1107	9	22.3	1628	7.16	lt. brn.	—	-115
	1108	18	21.7	1676	7.27	drk. grey	—	-119
	1248	27	23.5	1690	8.04	" "	18.32	-59
	1404						14.49	
9/12/12	0800						6.48	

D.O. ____ mg/l, ____ %

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: ____
Pump Depth: ____ (feet)

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: ____

✓ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: ____

Analyses: Fuel Oxygenates / TPH-G / TPH-D
Sample Vessel / Preservative: 3 VOA w/HCl, 2 1L Amber Odor: strong HC odor

Well Integrity: good
Remarks: one bolt fell on well box broken

Signature: [signature]

Field Report

Field Office: Los Gatos	**Date:** 10-23-12	
	Job No.: 185702413	**Task No.:**
	Project: Hegenberger Well Box Replacement	
Prepared By: Devon Owens	**Location:** Oakland	
To:	**Weather:** Cloudy	**Temp.**
	Client: Caltrans	
	Contractor:	
Attn:		

Page ____ of ____

(Pancho)

0935 Arrived onsite. Met with Francisco with Flat Iron who will be replacing well box.

0940 Began to Jackhammer out old well box

1000 Jackhammering done, old well box out. waiting for concret to set new well box.

1115 Concret arrived. Began to set well box.

1130 Well Box set. Called Gary to update.

1145 Left site.

Equipment Used:

Contractor Hours:	**Staff Hours:**	**Mileage:**
Copies To:	**Project Manager:**	
	Reviewed By:	

APPENDIX C
CERTIFIED ANALYTICAL LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

APPL LABS
www.appllinc.com
908 North Temperance Ave. ▼ Clovis, CA 93611 ▼ Phone 559.275-2175 ▼ Fax 559.275-4422

NELAP Certification Number: 05233CA (HW)

October 1, 2012

Stantec Consulting, Inc.
15575 Los Gatos Boulevard, Building C
Los Gatos, California 95032

Attn: Gary Messerotes

Subject: Report of data: Case 68736

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

Dear Mr. Messerotes:

Eight water samples for project "185702413 Former Caltrans Station, Oakland" were received September 13, 2012, in good condition. Written results are being provided on this October 1, 2012, for the requested analyses. All holding times were met.

For the EPA 8015B TPH-Diesel analysis, the water samples were extracted according to EPA method 3510C and cleaned with silica gel according to EPA method 3530C. The laboratory control spikes (LCS) recovered below the 61% control limit, at 53.0% and 56.5%.

For the EPA 8260B analysis, the water samples were purged according to EPA method 5030B.

For the EPA 8015B TPH-Gas analysis, the water samples were purged according to EPA method 5030B.

No other unusual problem or complication was encountered with this sample set.

If you have any questions or require further information, please contact us at your convenience. Thank you for choosing APPL, Inc.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

Sharon Dehmlow, Laboratory Director
APPL, Inc.

SD/sdm
Enclosure
cc: File

Number of pages in this report: 33

EPA 8015B TPH Diesel Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-1

APPL ID: AY68228

Sample Collection Date: 09/11/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	470 ++	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	66.1	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	59.3	49-128		%	09/17/12	09/27/12

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method:	TPH0926.M
Run #:	926050
Instrument:	Apollo
Sequence:	120926
Dilution Factor:	1
Initials:	SD

Printed: 09/27/12 3:34:59 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-2

APPL ID: AY68229

Sample Collection Date: 09/11/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	71.0	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	65.7	49-128		%	09/17/12	09/27/12

Quant Method: TPH0926.M
Run #: 926051
Instrument: Apollo
Sequence: 120926
Dilution Factor: 1
Initials: SD

Printed: 09/27/12 3:34:59 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-3
Sample Collection Date: 09/12/12

ARF: 68736
APPL ID: AY68230
QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	210 ++	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	74.3	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	67.5	49-128		%	09/17/12	09/27/12

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method:	TPH0926.M
Run #:	926052
Instrument:	Apollo
Sequence:	120926
Dilution Factor:	1
Initials:	SD

Printed: 09/27/12 3:34:59 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-4

APPL ID: AY68231

Sample Collection Date: 09/11/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	310 ++	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	69.3	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	61.3	49-128		%	09/17/12	09/27/12

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: TPH0926.M
Run #: 926053
Instrument: Apollo
Sequence: 120926
Dilution Factor: 1
Initials: SD

Printed: 09/27/12 3:34:59 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

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15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-5

APPL ID: AY68232

Sample Collection Date: 09/12/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	200 ++	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	70.6	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	67.5	49-128		%	09/17/12	09/27/12

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method:	TPH0926.M
Run #:	926054
Instrument:	Apollo
Sequence:	120926
Dilution Factor:	1
Initials:	SD

Printed: 09/27/12 3:34:59 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: EB-1

APPL ID: AY68233

Sample Collection Date: 09/12/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	69.7	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	71.8	49-128		%	09/17/12	09/27/12

Quant Method:	TPH0926.M
Run #:	926055
Instrument:	Apollo
Sequence:	120926
Dilution Factor:	1
Initials:	SD

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH Diesel Water

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15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: DUP-1

APPL ID: AY68234

Sample Collection Date: 09/11/12

QCG: #TPHD-120917A-171347

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	50.0	40.40	ug/L	09/17/12	09/27/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	72.8	28-142		%	09/17/12	09/27/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	73.1	49-128		%	09/17/12	09/27/12

Quant Method:	TPH0926.M
Run #:	926056
Instrument:	Apollo
Sequence:	120926
Dilution Factor:	1
Initials:	SD

Printed: 09/27/12 3:34:59 PM

APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

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Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-1

APPL ID: AY68228

Sample Collection Date: 09/11/12

QCG: #26UW-120918AS-171062

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	5.5	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	0.30 J	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	4.7	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	6.0	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	100	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.0	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	98.5	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	94.0	75-125		%	09/18/12	09/18/12

J = Estimated value.

Quant Method: SALLW.M
Run #: 0918S15
Instrument: Sweetpea
Sequence: S120917
Dilution Factor: 1
Initials: SV

Printed: 09/27/12 12:57:44 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-2
Sample Collection Date: 09/11/12

ARF: 68736
APPL ID: AY68229
QCG: #26UW-120917AC-171086

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	81.4	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	93.1	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	92.7	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.3	75-125		%	09/18/12	09/18/12

Quant Method: CALLW.M
Run #: 0917C26
Instrument: Chico
Sequence: C120917
Dilution Factor: 1
Initials: ARS

Printed: 09/27/12 12:57:44 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-3
Sample Collection Date: 09/12/12

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 68736
APPL ID: AY68230
QCG: #26UW-120917AC-171086

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	22	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	0.27 J	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	7.4	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	5.8	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	87.5	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	95.3	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	95.1	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	91.7	75-125		%	09/18/12	09/18/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0917C27
Instrument: Chico
Sequence: C120917
Dilution Factor: 1
Initials: ARS

Printed: 09/27/12 12:57:44 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-4

APPL ID: AY68231

Sample Collection Date: 09/11/12

QCG: #26UW-120918AS-171062

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	1.2	0.28	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	1.2	0.40	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	92	0.8	0.32	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	1.0	0.32	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	1.0	0.38	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	1.3	1.2	0.46	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	1.0	0.52	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	1.0	0.28	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	50.0	20.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	16	2.2	0.34	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	16	1.0	0.38	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	99.1	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	102	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	100	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.1	75-125		%	09/18/12	09/18/12

Quant Method: SALLW.M
Run #: 0918S19
Instrument: Sweetpea
Sequence: S120917
Dilution Factor: 2
Initials: SV

Printed: 09/27/12 12:57:44 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-5

APPL ID: AY68232

Sample Collection Date: 09/12/12

QCG: #26UW-120918AS-171062

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	1.0	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	1.6	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	3.2	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	103	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	106	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	99.0	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	75-125		%	09/18/12	09/18/12

Quant Method: SALLW.M
Run #: 0918S14
Instrument: Sweetpea
Sequence: S120917
Dilution Factor: 1
Initials: SV

Printed: 09/27/12 12:57:44 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: EB-1

APPL ID: AY68233

Sample Collection Date: 09/12/12

QCG: #26UW-120918AS-171062

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	101	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	102	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.5	75-125		%	09/18/12	09/18/12

Quant Method:	SALLW.M
Run #:	0918S16
Instrument:	Sweetpea
Sequence:	S120917
Dilution Factor:	1
Initials:	SV

Printed: 09/27/12 12:57:45 PM

APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: DUP-1

APPL ID: AY68234

Sample Collection Date: 09/11/12

QCG: #26UW-120918AS-171062

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	100	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.1	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	98.3	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	75-125		%	09/18/12	09/18/12

Quant Method: SALLW.M
Run #: 0918S17
Instrument: Sweetpea
Sequence: S120917
Dilution Factor: 1
Initials: SV

Printed: 09/27/12 12:57:45 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B BTEX Oxy W - UST

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15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: TRIP-1
Sample Collection Date: 09/06/12

ARF: 68736
APPL ID: AY68235
QCG: #26UW-120917AC-171086

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
EPA 8260B	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
EPA 8260B	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
EPA 8260B	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
EPA 8260B	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	125	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	106	62-139		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: DIBROMOFLUOROME	108	75-125		%	09/18/12	09/18/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	75-125		%	09/18/12	09/18/12

Quant Method: CALLW.M
Run #: 0917C21
Instrument: Chico
Sequence: C120917
Dilution Factor: 1
Initials: ARS

Printed: 09/27/12 12:57:45 PM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

Stantec Consulting, Inc.
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

Attn: Gary Messerotes

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-1
Sample Collection Date: 09/11/12

ARF: 68736
APPL ID: AY68228
QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	600	100.0	43.00	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	96.1	70-130		%	09/15/12	09/15/12

Quant Method: HBTXGM.M
Run #: 0915H14
Instrument: Harpo
Sequence: 120521
Dilution Factor: 5
Initials: LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-2
Sample Collection Date: 09/11/12

ARF: 68736
APPL ID: AY68229
QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	13 J	20.0	8.60	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	118	70-130		%	09/15/12	09/15/12

J = Estimated value.

Quant Method:	HBTXGM.M
Run #:	0915H09
Instrument:	Harpo
Sequence:	120521
Dilution Factor:	1
Initials:	LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

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Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: MW-3

APPL ID: AY68230

Sample Collection Date: 09/12/12

QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	2000	100.0	43.00	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	100	70-130		%	09/15/12	09/15/12

Quant Method:	HBTXGM.M
Run #:	0915H15
Instrument:	Harpo
Sequence:	120521
Dilution Factor:	5
Initials:	LF

Printed: 09/28/12 9:49:19 AM

APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-4
Sample Collection Date: 09/11/12

ARF: 68736
APPL ID: AY68231
QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	2500	100.0	43.00	ug/L	09/16/12	09/16/12
8015	SURROGATE: BFB-FID (S)	114	70-130		%	09/16/12	09/16/12

Quant Method:	HBTXGM.M
Run #:	0915H17
Instrument:	Harpo
Sequence:	120521
Dilution Factor:	5
Initials:	LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: MW-5
Sample Collection Date: 09/12/12

ARF: 68736
APPL ID: AY68232
QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	550	100.0	43.00	ug/L	09/16/12	09/16/12
8015	SURROGATE: BFB-FID (S)	88.8	70-130		%	09/16/12	09/16/12

Quant Method: HBTXGM.M
Run #: 0915H18
Instrument: Harpo
Sequence: 120521
Dilution Factor: 5
Initials: LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes
Project: 185702413 Former Caltrans Stn, Oakland
Sample ID: EB-1
Sample Collection Date: 09/12/12

ARF: 68736
APPL ID: AY68233
QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	20.0	8.60	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	108	70-130		%	09/15/12	09/15/12

Quant Method: HBTXGM.M
Run #: 0915H10
Instrument: Harpo
Sequence: 120521
Dilution Factor: 1
Initials: LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: DUP-1

APPL ID: AY68234

Sample Collection Date: 09/11/12

QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	11 J	20.0	8.60	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	119	70-130		%	09/15/12	09/15/12

J = Estimated value.

Quant Method:	HBTXGM.M
Run #:	0915H11
Instrument:	Harpo
Sequence:	120521
Dilution Factor:	1
Initials:	LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

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Los Gatos, CA 95032

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Gary Messerotes

Project: 185702413 Former Caltrans Stn, Oakland

ARF: 68736

Sample ID: TRIP-1

APPL ID: AY68235

Sample Collection Date: 09/06/12

QCG: #GAS-120915A-171370

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	20.0	8.60	ug/L	09/15/12	09/15/12
8015	SURROGATE: BFB-FID (S)	126	70-130		%	09/15/12	09/15/12

Quant Method:	HBTXGM.M
Run #:	0915H06
Instrument:	Harpo
Sequence:	120521
Dilution Factor:	1
Initials:	LF

Printed: 09/28/12 9:49:19 AM
APPL-F1-SC-NoMC-REG MDLs

Method Blank

EPA 8015B TPH Diesel Water

Blank Name/QCG: **120917W-68228 - 171347**
Batch ID: #TPHD-120917A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	DIESEL FUEL	Not detected	50.0	40.40	ug/L	09/17/12	09/27/12
BLANK	SURROGATE: OCTACOSANE (S)	74.6	28-142		%	09/17/12	09/27/12
BLANK	SURROGATE: ORTHO-TERPHENYL (	64.1	49-128		%	09/17/12	09/27/12

Quant Method: TPH0926.M
Run #: 926047
Instrument: Apollo
Sequence: 120926
Initials: SD

GC SC-Blank-REG MDLs
Printed: 09/27/12 3:32:05 PM

Laboratory Control Spike Recoveries
EPA 8015B TPH Diesel Water

APPL ID: **120917W-68228 LCS - 171347**
Batch ID: #TPHD-120917A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	1060	1130	53.0 #	56.5 #	61-143	6.4	30
SURROGATE: OCTACOSANE (S)	150	115	121	76.7	80.7	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	118	120	78.7	80.0	49-128		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	TPH0926.M	TPH0926.M
Extraction Date :	09/17/12	09/17/12
Analysis Date :	09/28/12	09/28/12
Instrument :	Apollo	Apollo
Run :	926094	926095
Initials :	SD	

Printed: 10/01/12 4:28:39 PM
APPL Standard LCSD

Method Blank

EPA 8260B BTEX Oxy W - UST

Blank Name/QCG: **120917W-68227 - 171086**
Batch ID: #26UW-120917AC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
BLANK	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
BLANK	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
BLANK	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
BLANK	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
BLANK	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
BLANK	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
BLANK	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
BLANK	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
BLANK	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
BLANK	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
BLANK	SURROGATE: 1,2-DICHLOROETHAN	119	75-125		%	09/18/12	09/18/12
BLANK	SURROGATE: 4-BROMOFLUOROBEN	107	62-139		%	09/18/12	09/18/12
BLANK	SURROGATE: DIBROMOFLUOROME	107	75-125		%	09/18/12	09/18/12
BLANK	SURROGATE: TOLUENE-D8 (S)	103	75-125		%	09/18/12	09/18/12

Quant Method: CALLW.M
Run #: 0917C20
Instrument: Chico
Sequence: C120917
Initials: ARS

GC SC-Blank-REG MDLs
Printed: 09/27/12 12:57:57 PM

Method Blank

EPA 8260B BTEX Oxy W - UST

Blank Name/QCG: **120918W-68228 - 171062**
Batch ID: #26UW-120918AS

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	1,2-DICHLOROETHANE	Not detected	0.6	0.14	ug/L	09/18/12	09/18/12
BLANK	1,2-ETHYLENE DIBROMIDE	Not detected	0.6	0.20	ug/L	09/18/12	09/18/12
BLANK	BENZENE	Not detected	0.4	0.16	ug/L	09/18/12	09/18/12
BLANK	DI-ISOPROPYL ETHER	Not detected	0.5	0.16	ug/L	09/18/12	09/18/12
BLANK	ETHYL-TERT-BUTYL ETHER	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
BLANK	ETHYLBENZENE	Not detected	0.6	0.23	ug/L	09/18/12	09/18/12
BLANK	METHYL TERT-BUTYL ETHER	Not detected	0.5	0.26	ug/L	09/18/12	09/18/12
BLANK	TERT-AMYL METHYL ETHER	Not detected	0.5	0.14	ug/L	09/18/12	09/18/12
BLANK	TERT-BUTYL ALCOHOL	Not detected	25.0	10.00	ug/L	09/18/12	09/18/12
BLANK	TOLUENE	Not detected	1.1	0.17	ug/L	09/18/12	09/18/12
BLANK	XYLENES	Not detected	0.5	0.19	ug/L	09/18/12	09/18/12
BLANK	SURROGATE: 1,2-DICHLOROETHAN	92.6	75-125		%	09/18/12	09/18/12
BLANK	SURROGATE: 4-BROMOFLUOROBEN	102	62-139		%	09/18/12	09/18/12
BLANK	SURROGATE: DIBROMOFLUOROME	93.7	75-125		%	09/18/12	09/18/12
BLANK	SURROGATE: TOLUENE-D8 (S)	99.5	75-125		%	09/18/12	09/18/12

Quant Method: SALLW.M
Run #: 0918S07
Instrument: Sweetpea
Sequence: S120917
Initials: SV

GC SC-Blank-REG MDLs
Printed: 09/27/12 12:57:57 PM

Laboratory Control Spike Recoveries

EPA 8260B BTEX Oxy W - UST

APPL ID: **120917W-68227 LCS - 171086**
Batch ID: #26UW-120917AC

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,2-DICHLOROETHANE	10.00	8.63	8.63	86.3	86.3	68-127	0.0	20
1,2-ETHYLENE DIBROMIDE	10.00	10.1	10.1	101	101	70-130	0.0	20
BENZENE	10.00	9.27	9.37	92.7	93.7	75-125	1.1	20
DI-ISOPROPYL ETHER	10.00	9.67	9.74	96.7	97.4	70-130	0.72	20
ETHYL-TERT-BUTYL ETHER	10.00	9.81	9.93	98.1	99.3	70-130	1.2	20
ETHYLBENZENE	10.00	9.65	9.31	96.5	93.1	75-125	3.6	20
METHYL TERT-BUTYL ETHER	10.00	9.40	9.44	94.0	94.4	70-130	0.42	20
TERT-AMYL METHYL ETHER	10.00	9.60	9.67	96.0	96.7	70-130	0.73	20
TERT-BUTYL ALCOHOL	125	135	135	108	108	49-167	0.0	20
TOLUENE	10.00	9.81	9.91	98.1	99.1	74-125	1.0	20
XYLENES	30.0	29.5	28.6	98.3	95.3	70-130	3.1	20
SURROGATE: 1,2-DICHLOROETHANE-D	16.7	17.4	16.2	104	97.2	75-125		
SURROGATE: 4-BROMOFLUOROBENZE	18.9	19.4	18.2	103	96.2	62-139		
SURROGATE: DIBROMOFLUOROMETH	19.0	19.5	19.6	103	103	75-125		
SURROGATE: TOLUENE-D8 (S)	20.3	20.8	19.8	102	97.5	75-125		

Comments: _____

Primary	SPK	DUP
Quant Method :	CALLW.M	CALLW.M
Extraction Date :	09/17/12	09/17/12
Analysis Date :	09/17/12	09/17/12
Instrument :	Chico	Chico
Run :	0917C16	0917C17
Initials :	ARS	

Printed: 09/27/12 12:57:38 PM
APPL Standard LCSD

Laboratory Control Spike Recoveries

EPA 8260B BTEX Oxy W - UST

APPL ID: **120918W-68228 LCS - 171062**
Batch ID: #26UW-120918AS

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,2-DICHLOROETHANE	10.00	10.5	10.5	105	105	68-127	0.0	20
1,2-ETHYLENE DIBROMIDE	10.00	10.1	10.3	101	103	70-130	2.0	20
BENZENE	10.00	10.2	10.3	102	103	75-125	0.98	20
DI-ISOPROPYL ETHER	10.00	9.93	10.2	99.3	102	70-130	2.7	20
ETHYL-TERT-BUTYL ETHER	10.00	9.80	10.0	98.0	100	70-130	2.0	20
ETHYLBENZENE	10.00	10.0	10.6	100	106	75-125	5.8	20
METHYL TERT-BUTYL ETHER	10.00	9.56	9.67	95.6	96.7	70-130	1.1	20
TERT-AMYL METHYL ETHER	10.00	9.94	9.81	99.4	98.1	70-130	1.3	20
TERT-BUTYL ALCOHOL	125	125	126	100	101	49-167	0.80	20
TOLUENE	10.00	10.0	10.2	100	102	74-125	2.0	20
XYLENES	30.0	30.5	32.3	102	108	70-130	5.7	20
SURROGATE: 1,2-DICHLOROETHANE-D	20.0	20.2	18.5	101	92.4	75-125		
SURROGATE: 4-BROMOFLUOROBENZE	19.6	21.3	19.7	109	101	62-139		
SURROGATE: DIBROMOFLUOROMETH	19.4	19.5	18.4	100	94.7	75-125		
SURROGATE: TOLUENE-D8 (S)	19.5	20.2	19.3	103	98.9	75-125		

Comments: _____

Primary	SPK	DUP
Quant Method :	SALLW.M	SALLW.M
Extraction Date :	09/18/12	09/18/12
Analysis Date :	09/18/12	09/18/12
Instrument :	Sweetpea	Sweetpea
Run :	0918S03	0918S04
Initials :	SV	

Printed: 09/27/12 12:57:38 PM
APPL Standard LCSD

Method Blank
Gas-Water

Blank Name/QCG: **120915W-68226 - 171370**
Batch ID: #GAS-120915A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	GASOLINE	Not detected	20.0	8.60	ug/L	09/15/12	09/15/12
BLANK	SURROGATE: BFB-FID (S)	123	70-130		%	09/15/12	09/15/12

Quant Method: HBTXGM.M
Run #: 0915H05
Instrument: Harpo
Sequence: 120521
Initials: LF

GC SC-Blank-REG MDLs
Printed: 09/26/12 9:49:11 AM

Laboratory Control Spike Recoveries
Gas-Water

APPL ID: **120915W-68226 LCS - 171370**
Batch ID: #GAS-120915A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
GASOLINE	300	343	339	114	113	73-120	1.2	25
SURROGATE: BFB-FID (S)	30.0	37.2	38.0	124	127	70-130		

Comments: _____

Primary	SPK	DUP
Quant Method :	HBTXGM.M	HBTXGM.M
Extraction Date :	09/15/12	09/15/12
Analysis Date :	09/15/12	09/15/12
Instrument :	Harpo	Harpo
Run :	0915H03	0915H04
Initials :	LF	

Printed: 09/28/12 9:49:13 AM
APPL Standard LCSD

68736

STANTEC CONSULTING

CHAIN OF CUSTODY RECORD

STANTEC Los Gatos Office
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA
TEL: (408) 356-6124 FAX: (408) 356-6138

Stantec Contact(s) for Invoice: Gary Messerotes
eMAIL: gary.messerotes@stantec.com

STANTEC Project #: 185702413

DATE: 9/13/12

PAGE: 1 OF

Project Name: Former Caltrans Station

Address: 555 Hegenberger, Oakland, CA

Sampler(s) Printed Name: Tristan Rhodes

Sampler(s) Signature:

Laboratory:
APPL, Inc.
908 N. Temperance Avenue,
Clovis,CA 93611
(559) 275-2175

Lab Use Only:

Turn-around Time (Business Days):
☐ 10 DAYS ☐ 5 DAYS ☐ 72 HR ☐ 48 HR ☐ 24 HR ☐ <24 HR
☒ OTHER normal

Special Instructions or Notes:

Temperature Upon Receipt (C): 3.0°c

EDF Required: T0600101696

Fuel Oxygenates list includes: BTEX, EDB, EDC, MTBE, TAME, ETBE, DIPE, and TBA)

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	Preserve	Fuel Oxygenates (BTEX, EDB, EDC, MTBE, TAME, ETBE, DIPE, and TBA) by 8260B	TPH-GRO by 8015M	TPH-DRO by 8015M silica gel cleanup	Other:	Laboratory Notes
	MW-1	9/11/12	1220	H_2O	7	HCl/none	X	X	X		
	MW-2	9/11/12	1300	H_2O	7	HCl/none	X	X	X		
	MW-3	9/12/12	0745	H_2O	7	HCl/none	X	X	X		
	MW-4	9/11/12	1000	H_2O	7	HCl/none	X	X	X		
	MW-5	9/12/12	0820	H_2O	7	HCl/none	X	X	X		
	EB-1	9/12/12	0900	H_2O	7	HCl/none	X	X	X		
	Dup-1	9/11/12	—	H_2O	7	HCl/none	X	X	X		
	Trip-1	9/6/12	—	H_2O	3	HCl	X	X	X		

	Date	Time		Date	Time	
Relinquished by: (Signature)	9/13/12	1350	Received by: (Signature)	9.13.12	1350	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	9.13.12	1925	