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Alameda County
Environmental Health

Mr. Paresh Khatri
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: 6310 Houston Place, Dublin, California 94568
ACEHS Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Mr. Cary Grayson

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

October 1, 2010
Project No. 2094-6310-01

Mr. Paresh Khatri
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Quarterly Monitoring and Sampling Report – Third Quarter 2010**
6310 Houston Place, Dublin, California 94568
ACEHS Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, which presents an update of work performed during the third quarter 2010 on behalf of Mr. Cary Grayson for the facility located at 6310 Houston Place, Dublin, California. Stratus representatives, whose signatures appear below, declare under penalty of perjury, that the information contained in the attached report are true and correct to the best of our knowledge.

If you have any questions regarding this project, please contact Mr. Steve Carter at (530) 676-6008.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

PROFESSIONAL GEOLOGIST
Stephen J. Carter
No. 5577
STATE OF CALIFORNIA

Stephen J. Carter, P.G.
Project Manager

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Quarterly Monitoring and Sampling Report, Third Quarter 2010

cc: Mr. Cary Grayson

October 1, 2010
Project No. 2094-6310-01

Mr. Paresh Khatri
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
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Attachment: Quarterly Monitoring and Sampling Report, Third Quarter 2010

cc: Mr. Cary Grayson

October 1, 2010

QUARTERLY MONITORING AND SAMPLING REPORT

Facility Address: 6310 Houston Place, Dublin, California 94568

Consulting Co. / Contact Person: Stratus Environmental, Inc. / Steve Carter, P.G.

Consultant Project No: 2094-6310-01

Primary Agency/Regulatory ID No: Paresh Khatri, Alameda County Environmental Health Services ACEHS Case No. RO0002862

WORK PERFORMED THIS QUARTER (Third Quarter 2010):

1. On July 16, 2010, Stratus notified Alameda County Environmental Health Services (ACEHS) that Mr. Cary Grayson had retained Stratus for future environmental consulting services for the site.

2. On August 3, 2010, Stratus conducted the third quarter 2010 semi-annual groundwater monitoring sampling event. Prior to sampling, all wells were gauged for depth to water, temperature, pH, conductivity, dissolved oxygen (DO) and oxygen-reduction potential (Redox). Groundwater samples were analyzed at a state-certified analytical laboratory for diesel range organics (DRO), by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE), and Naphthalene by EPA Method SW8260B. As part of the approved *Corrective Action Pilot Test Work Plan*, dated March 19, 2008, groundwater samples, from select wells, were also analyzed for copper (Cu), arsenic (As), cadmium (Cd), barium (Ba), total chromium (Cr), total Iron (Fe), Selenium (Se) and lead (Pb) by EPA Method 200.8 and for hexavalent chromium (Cr^{6+}) by EPA Method 7199. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B, and C, respectively. Tabulated historical groundwater elevation data/analytical results and well construction details are summarized in Table 1.

3. On September 7, 2010, Stratus notified ACEHS and RWQCB of the scheduled start-up of the approved pilot test scope of work.

4. On September 21 through 24, 2010, Stratus began implementation of the approved *Corrective Action Pilot Test Workplan*, dated March 19, 2008 (prepared by AEI Consultants). The approved scope of work includes injection of RegenOx™ compound at six locations adjacent to wells DW-1 and DW-3, and post-injection monitoring. Post injection monitoring will be performed in October and November 2010 and at that time, wells DW-1, DW-3, DW-5, and DW-7 will be gauged, purged and sampled. Groundwater samples will be analyzed for DRO, naphthalene, MTBE, As, Ba, Cd, Cr, Cr^{6+}, Cu, Fe, Pb and Se.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2010):

1. Stratus will continue implementation of the approved *Corrective Action Pilot Test Workplan,* including additional injection events as required, and follow-up monitoring to assess RegenOx™ effectiveness. A report of the pilot test results will be prepared after completion of the proposed follow-up monitoring program.

2. Based on a letter from ACEHS, dated July 27, 2009, the frequency of groundwater monitoring and sampling for all wells has been reduced to semi-annual (1st and 3rd quarters). The next regularly scheduled groundwater monitoring and sampling event is tentatively scheduled for February 2011.

Current Phase of Project: Groundwater Monitoring; Feasibility Testing

Frequency of Groundwater Monitoring and Sampling:	All Wells = Semi-annual (1st and 3rd)
Groundwater Sampling Date:	August 3, 2010
Is Free Product (FP) Present on Site:	No
Approximate Depth to Groundwater:	7.32 to 8.58 feet below top of well casing.
Groundwater Flow Direction / Gradient:	West / 0.004 ft/ft

SITE HISTORY:

The site is located east of Dougherty Road and borders Houston Place to the north. Currently, one 12,000 square foot industrial building is located on the site's 0.7 acre lot. The building is currently occupied by an automotive repair business. The surrounding area consists of mixed light industrial, commercial and multi-family residential properties. Kahler's Porsche Service and Repair and LH Voss Landscape Materials bound the site to the west and south, respectively. A multifamily residential property is located on the north side of Houston Place adjacent to the site, and Flow Components (automotive parts) occupies the building along the site's eastern boundary.

The site came to the attention of San Francisco Bay Regional Water Quality Control Board (RWQCB) prior to 1984 when a localized surface leak was reported. 156 cubic yards of contaminated soil was removed under the direction of RWQCB, and in 1989, four USTs were excavated from the site. Three USTs were removed (one 12,000 gallon (gal) diesel tank, one 500 gal waste oil tank and, one 8,000 gal diesel tank). The remaining 12,000 gal diesel tank was internally resurfaced with "Glass Armor" coating and reinstalled for further use. Soil and water samples collected during the excavation reported elevated concentrations of TPH-d and Total Oil and Grease (TOG). No concentrations of TPH-g, BTEX, or chlorinated hydrocarbons were detected in the samples collected during excavation and reinstallation.

Monitoring wells MW-1 through MW-3 were installed, in August 1989, to monitor the site, and in 1990-1991 three additional wells (MW-4 through MW-6) were installed to further define the extent of the plume. Contamination appeared to be localized and attenuating, and ACEHS granted case closure in February 1995. Based on a review of available documents, MW-1 through MW-6 appear to have been decommissioned; however, no information is available quantifying date or method of decommissioning.

In 2004, the remaining 12,000 gallon diesel tank, fuel dispensers and product piping were excavated and removed from the site. Following excavation, seven soil and two groundwater samples were collected from the excavation area (bottom, sidewalls, overburden stockpiles and areas within the fuel dispenser and piping area). Upon review of the closure report, ACEHS issued a letter requesting additional sampling at the site. Elevated TPH-d and MTBE were detected in groundwater samples collected, and it was concluded that a release had occurred from the 12,000 gallon tank.

ACEHS issued a letter, in July 2006, requesting the installation of monitoring wells at the site. Five onsite (DW-1 through DW-5) and two offsite (DW-6 and DW-7) monitoring wells were installed in October and November 2006. As part of the report, it was determined that contamination by the 12,000 gallon tank was limited to a localized light non-aqueous phase liquids (LNAPL) plume.

In 2008, ACEHS approved the March 19, 2008 *Corrective Action Pilot Test WorkPlan* for vadose and saturated zone remediation. Due to financial hardship, the pilot test was not conducted. On July 16, 2010, Stratus notified ACEHS that Stratus had been retained for future environmental consulting services for the site, and on August 3, 2010, Stratus conducted groundwater sampling and baseline studies as requested per the approved 2008 workplan schedule. Results of this study are included in this report.

DISCUSSION:

At the time of the August 3, 2010 groundwater monitoring event, depth to groundwater was measured at 7.32 to 8.58 feet below ground surface (bgs) in all monitoring wells. Groundwater monitoring data were converted to feet above mean sea level (MSL) and used to prepare a groundwater elevation contour

map (Figure 2). Groundwater flow direction at the site is to the west with an approximate gradient of 0.004 ft/ft. This is consistent with historical groundwater flow since the second quarter 2008. Sheen was noted in monitoring wells DW-2 and DW-3.

No concentrations of DRO, BTEX, MTBE or Naphthalene were reported in any offsite monitoring wells (DW-6 and DW-7). DRO was reported in wells DW-1 (540 µg/L), DW-2 (550 µg/L), DW-3 (6,300 µg/L), DW-4 (370 µg/L), and DW-5 (490 µg/L). MTBE was reported in well DW-4 (0.76 µg/L). Tabulated groundwater analytical data are summarized in Table 1. Certified Analytical results are presented in Appendix C. DRO, benzene, and MTBE concentrations for groundwater samples collected during the third quarter 2010 are presented in Figure 4. Groundwater elevation and analytical data have been uploaded to the State of California's GeoTracker database. Documentation of completion of these data uploads are provided in Appendix D.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical – Dissolved Metals Summary
- Table 3 Historical Groundwater Data Summary
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Groundwater Elevation Contour Map
- Figure 4 Groundwater Analytical Summary
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
BAY COUNTIES PETROLEUM
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-1	04/10/07	7.44	334.23	326.79	8,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.72	334.23	326.51	30,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.88	334.23	326.35	18,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	6.16	334.23	328.07	13,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.96	334.23	327.27	15,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.55	334.23	326.68	5,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.02	334.23	326.21	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.58	334.23	326.65	5,600	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.43	334.23	326.80	540	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
DW-2	04/10/07	7.09	334.00	326.91	8,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.40	334.00	326.60	34,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.55	334.00	326.45	14,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.89	334.00	328.11	17,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.63	334.00	327.37	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.25	334.00	326.75	16,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.74	334.00	326.26	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.23	334.00	326.77	6,900	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.40	334	326.60	550	<0.50	<0.50	<0.50	<0.50	<0.50	--
DW-3	04/10/07	7.90	334.56	326.66	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.19	334.56	326.37	210,000	<0.5	<1.7	<1.7	<1.7	<1.7	--
	10/11/07	8.29	334.56	326.27	71,000	<25	<25	<25	<25	<0.5	--
	01/25/08	6.63	334.56	327.93	66,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.38	334.56	327.18	58,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.94	334.56	326.62	38,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.41	334.56	326.15	29,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.12	334.56	326.44	29,000	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.02	334.56	326.54	6,300	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0

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BAY COUNTIES PETROLEUM
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Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-4	04/10/07	7.99	334.49	326.50	65	<0.5	<0.5	<0.5	<0.5	0.67	--
	07/12/07	8.22	334.49	326.27	300	<0.5	<0.5	<0.5	<0.5	0.87	--
	10/11/07	8.33	334.49	326.16	640	<0.5	<0.5	<0.5	<0.5	0.80	--
	01/25/08	6.62	334.49	327.87	240	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.39	334.49	327.10	340	<0.5	<0.5	<0.5	<0.5	0.94	--
	07/23/08	7.94	334.49	326.55	<50	<0.5	<0.5	<0.5	<0.5	0.94	--
	10/30/08	8.39	334.49	326.10	<50	<0.5	<0.5	<0.5	<0.5	0.92	--
	01/11/10	8.13	334.49	326.36	65	<1.0	<1.0	<1.0	<1.0	<5.0	--
	08/03/10	8.00	334.49	326.49	370	<0.50	<0.50	<0.50	<0.50	0.76	--
DW-5	04/10/07	7.00	333.91	326.91	800	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.36	333.91	326.55	990	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.52	333.91	326.39	880	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.93	333.91	327.98	730	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.52	333.91	327.39	780	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.24	333.91	326.67	340	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.68	333.91	326.23	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.47	333.91	326.44	130	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.32	333.91	326.59	490[1,2]	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
DW-6	04/10/07	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.81	334.99	326.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	8.53	334.99	326.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	7.16	334.99	327.83	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.53	334.99	327.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	8.24	334.99	326.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.18	334.99	326.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.25	334.99	326.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--

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Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-7	04/10/07	8.11	335.18	327.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.34	335.18	326.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	6.75	335.18	328.43	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.95	335.18	327.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	8.55	335.18	326.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.62	335.18	326.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.58	335.18	326.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0

Notes:
*Data through January 11, 2010, reported by AEI Contultants.
**Prior to 8/3/10, reported as TPH-D
DRO = total petroleum hydrocarbons as diesel (C13-C-22)
MTBE = methyl-tertiary butyl ether
µg/L = micrograms per liter
[1] = reported concentration includes additional compounds uncharacteristic of common fuels and lubricants
[2] = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range

TABLE 2
GROUNDWATER ANALYTICAL - DISSOLVED METALS SUMMARY
BAY COUNTIES PETROLEUM
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Cu (µg/L)	As (µg/L)	Cd (µg/L)	Ba (µg/L)	Cr^{+6} (µg/L)	Cr (µg/L)	Fe (µg/L)	Se (µg/L)	Pb (µg/L)
DW-1	08/03/10	<10	9.4	<1.0	28	<1.0	6.8	7,300	<5.0	<5.0
DW-2	08/03/10	--	--	--	--	--	--	--	--	--
DW-3	08/03/10	<10	<2.0	<1.0	58	<1.0	<5.0	2,300	<5.0	<5.0
DW-4	08/03/10	--	--	--	--	--	--	--	--	--
DW-5	08/03/10	<10	5.8	<1.0	48	<1.0	<5.0	540	<5.0	<5.0
DW-6	08/03/10	--	--	--	--	--	--	--	--	--
DW-7	08/03/10	<10	5.6	<1.0	45	<1.0	45	29,000	5.7	15

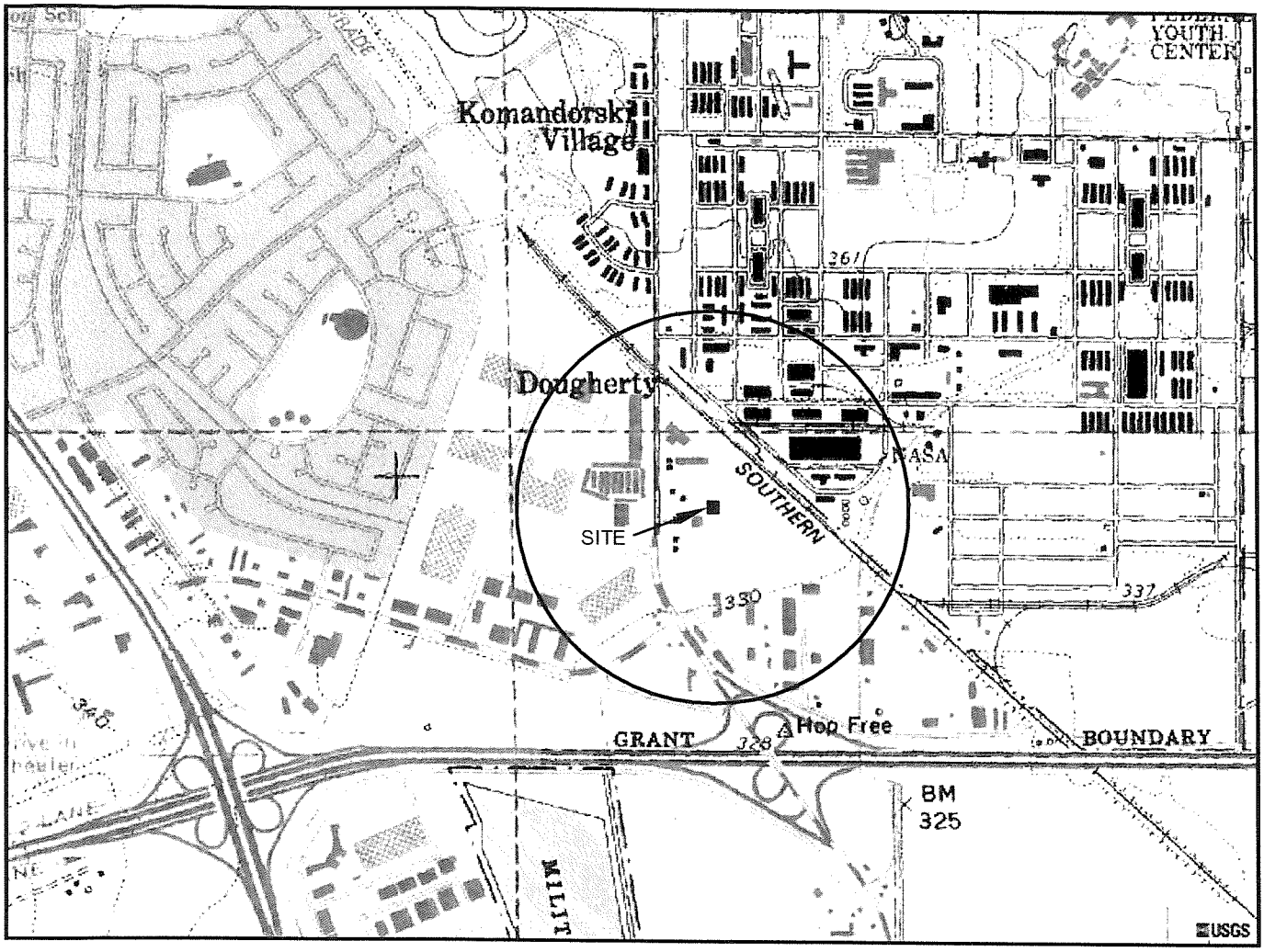
Notes:

µg/L = micrograms per liter
Cu = Copper
As = Arsenic
Cd = Cadmium
Ba = Barium
Cr = Chromium
Cr^{+6} = Hexavalent Chromium
Fe = Iron
Se = Selenium
Pb = Lead

TABLE 3
HISTORICAL GROUNDWATER DATA SUMMARY
BAY COUNTIES PETROLEUM
6310 Houston Place, Dublin, CA

Well Number	Date Collected	TPH-G (µ/L)	TPH-MO (µ/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	Ethanol (µg/L)	Methanol (µg/L)
DW-1	04/10/07	100	2800	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	100	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-2	04/10/07	180	<5,000	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	120	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-3	04/10/07	220	9200	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	2,200	--	--	--	--	--	--	--
	10/11/07	18,000	--	--	--	--	--	--	--
DW-4	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-5	04/10/07	<50	320	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-6	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<50
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-7	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--

Notes:
*Data through January 11, 2010, reported by AEI Contultants.
µg/L = micrograms per liter
TPH-G = total petroleum hydrocarbons as galoine (C6-C12)
TPH-MO = total petroleum hydrocarbons as motor oil (C18)
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = Ethyl tertiary butyl ether



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
DUBLIN, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1989

N

QUADRANGLE LOCATION

0 1800 FT

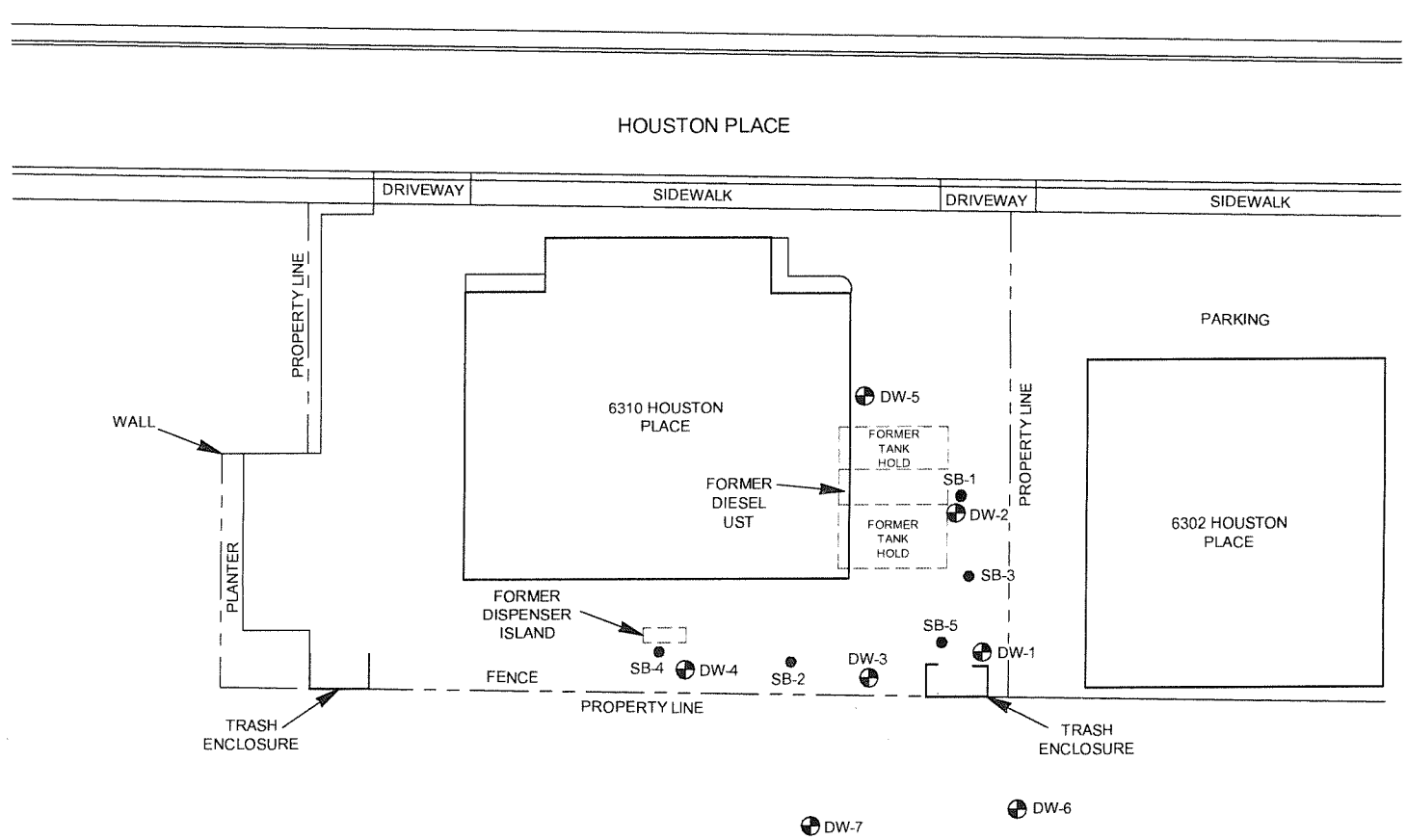
APPROXIMATE SCALE

STRATUS
ENVIRONMENTAL, INC.

BAY COUNTIES PETROLEUM
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2094-6310-01



LEGEND

DW-1 MONITORING WELL LOCATION

SB-1 SOIL BORING LOCATION

JMP REV August 25, 2010 Bay Co Siteplan

Bay Counties

STRATUS ENVIRONMENTAL, INC.

0 50 FT

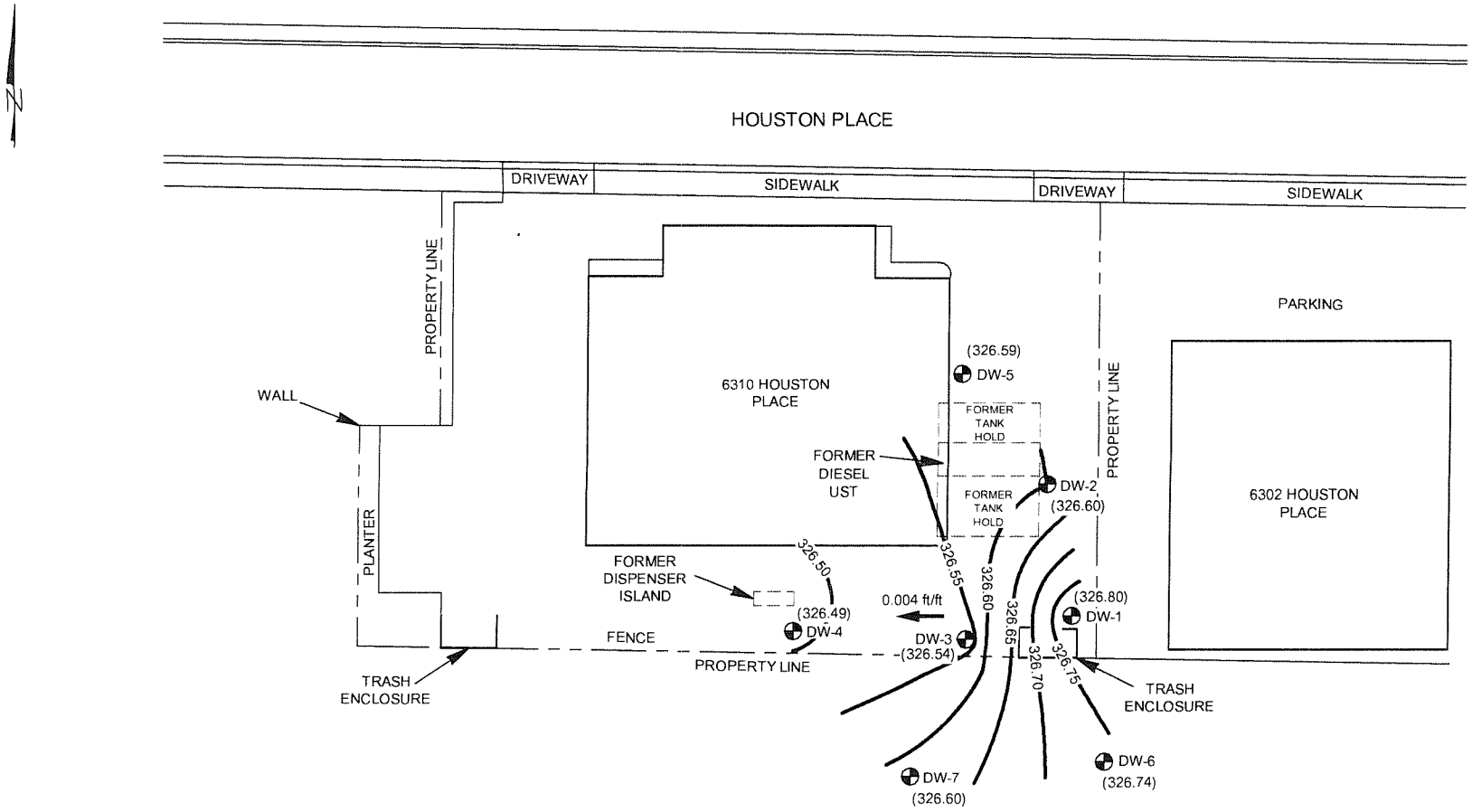
SCALE

BAY COUNTIES PETROLEUM
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2094-6301-01



LEGEND

DW-1 MONITORING WELL LOCATION

(326.80) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL

-326.60- WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

INFERRED DIRECTION OF GROUND WATER FLOW

WELLS MEASURED: 8/03/10

Bay Counties\Quarterly JMP REV September 2, 2010 Bay Co Quarterly Figures

STRATUS ENVIRONMENTAL, INC.

0 50 FT

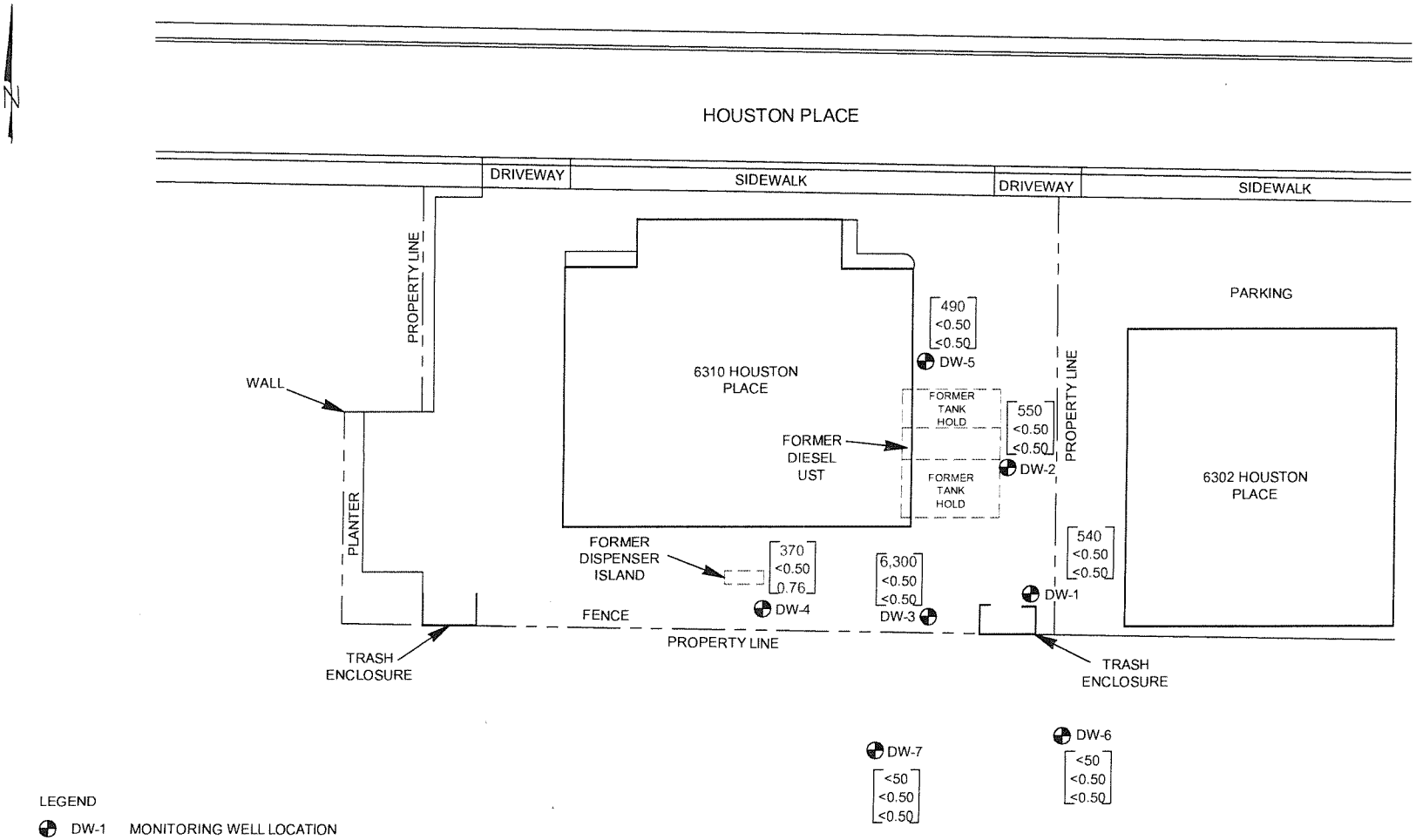
SCALE

BAY COUNTIES PETROLEUM
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
3rd QUARTER 2010

FIGURE
3

PROJECT NO.
2094-6301-01



LEGEND

DW-1 MONITORING WELL LOCATION

[<50 / <0.50 / <0.50] DIESEL RANGE ORGANICS (DRO) IN µg/L
BENZENE CONCENTRATION IN µg/L
METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

SAMPLES COLLECTED ON 8/03/10
DRO ANALYZED BY EPA METHOD 8015B
BENZENE & MTBE ANALYZED BY EPA METHOD 8260B

Bay Counties\Quarterly JMP REV September 2, 2010 Bay Co Quarterly Figures

STRATUS ENVIRONMENTAL, INC.

0 50 FT
SCALE

BAY COUNTIES PETROLEUM
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
3rd QUARTER 2010

FIGURE
4

PROJECT NO.
2094-6301-01

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

Site Address: 6310 Houston Place
City: Dublin
Sampled By: VZ
Signature: VZ

Site Number: Bay Counties Petroleum
Project Number: 2094-6310-01
Project PM: Steve Carter
DATE: ~~8-3-10~~ 8-4-10

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water Column (feet)	Diamater (inches)	Multiplier	3 casing volumes (gallons	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW at sample time (feet)	Sample I.D.	Sample Time	DO (mg/L)
DW-1	0557		7.43	16.50	9.07	2	0.5	4.54	5.00		X			7.60	DW-1	0953	1.11
DW-2	0603		7.40	16.55	9.15	2	0.5	4.58	5.00		X			7.40	DW-2	0706	0.24
DW-3	0908		8.02	16.50	8.48	2	0.5	4.24	4.00		X			8.08	DW-3	1017	1.21
DW-4	0905		8.00	16.75	8.75	2	0.5	4.38	4.50		X			8.44	DW-4	0927	1.50
DW-5	0610		7.32	16.80	9.48	2	0.5	4.74	5.00		X			7.51	DW-5	0900	2.51
DW-6	0746		8.25	16.80	8.55	2	0.5	4.28	4.00		X			8.48	DW-6	0811	1.49
DW-7	0730		8.58	16.70	8.12	2	0.5	4.06	4.00		X			8.58	DW-7	0823	1.87
			Pull All Wells 15 min prior														
			to allow stabalization														

ORIGINAL

Multiplier
2" = 0.5, 3" = 1.0, 4" = 2.0, 6" = 4.4

Please refer to groundwater sampling field procedures
pH/Conductivity/temperature Meter - Oakton Model)PC-10
DO Meter - Oakton 300 Series (DO is always mesured before purge)

CALIBRATION DATE
pH: 8-3-10 VZ
Conductivity:
DO:

ORIGINAL

STRATUS ENVIRONMENTAL, INC.

Site Address: 6310 Houston Place
City: Dublin
Sampled By: VZ
Signature: VZ

Site Number: Bay Counties Petroleum
Project Number: 2094-6310-01
Project PM: ~~Chris~~ Steve
DATE: 8-3-10

Well ID	DW-5				
Purge start time	0619		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0619	20.5	6.98	878	X	
time 0624	20.0	6.98	864	2.5	
time 0900	19.5	7.46	758	5.0	
time					
purge stop time	0629		ORP	81	

Well ID	DW-1				
Purge start time	0651		Odor	(Y) N	
Bail	Temp C	pH	cond	gallons	
time 0651	20.7	6.94	985	X	
time 0656	19.7	6.91	1006	2.5	
time 0953	19.9	7.01	995	5.0	
time					
purge stop time	0700		ORP	137	

Well ID	DW-7				
Purge start time	0702		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0802	20.2	6.75	902	X	
time 0806	20.0	6.74	929	2.0	
time 0809	~		~	4.0	
time 0823	19.2	6.84	893	(4.0)	
purge stop time	0709		ORP	136	

Well ID	DW-3	sheen			
Purge start time	0933		Odor	(Y) N	
Bail	Temp C	pH	cond	gallons	
time 0933	19.5	7.07	849	X	
time 0938	19.4	7.10	851	2	
time 0942	Low	H_2O		4.0	
time 1017	19.2	7.11	813	(4.0)	
purge stop time	0942		ORP	119	

Well ID	DW-2	sheen			
Purge start time	0640		Odor	(Y) N	
Bail	Temp C	pH	cond	gallons	
time 0640	21.8	7.33	618	X	
time 0644	21.8	7.37	582	2.5	
time 0648	low H_2O		level	(5.0)	
time 0706	21.1	7.38	476	(5.0)	
purge stop time	0648		ORP	123	

Well ID	DW-6				
Purge start time	0750		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0750	18.3	7.11	815	X	
time 0755	19.1	6.94	859	2.0	
time 0759	—	Low	H_2O	4.0	
time 0811	19.1	7.06	847	(4.0)	
purge stop time	0759		ORP	117	

Well ID	DW-4				
Purge start time	0913		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0913	19.6	6.94	994	X	
time 0918	19.6	6.79	995	2.0	
time 0927	19.5	6.78	987	4.5	
time					
purge stop time	0927		ORP	146	

Well ID					
Purge start time			Odor	Y N	
	Temp C	pH	cond	gallons	
time					
time					
time					
time					
purge stop time			ORP		

GW

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005
Date Received : 08/03/10

Job: Bay Counties Petroleum

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**DW-1**						
Lab ID :	STR10080347-01A	TPH-E (DRO)	540		50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 09:53	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	08/05/10	08/05/10
		Benzene	ND		0.50 µg/L	08/05/10	08/05/10
		Toluene	ND		0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND		0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		Naphthalene	ND		2.0 µg/L	08/05/10	08/05/10
Client ID :	**DW-2**						
Lab ID :	STR10080347-02A	TPH-E (DRO)	550		50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 07:06	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	08/05/10	08/05/10
		Benzene	ND		0.50 µg/L	08/05/10	08/05/10
		Toluene	ND		0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND		0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
Client ID :	**DW-3**						
Lab ID :	STR10080347-03A	TPH-E (DRO)	6,300		50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 10:17	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	08/05/10	08/05/10
		Benzene	ND		0.50 µg/L	08/05/10	08/05/10
		Toluene	ND		0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND		0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		Naphthalene	ND		2.0 µg/L	08/05/10	08/05/10
Client ID :	**DW-4**						
Lab ID :	STR10080347-04A	TPH-E (DRO)	370		50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 09:27	Methyl tert-butyl ether (MTBE)	0.76		0.50 µg/L	08/05/10	08/05/10
		Benzene	ND		0.50 µg/L	08/05/10	08/05/10
		Toluene	ND		0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND		0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
Client ID :	**DW-5**						
Lab ID :	STR10080347-05A	TPH-E (DRO)	490	CL	50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 09:00	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	08/05/10	08/05/10
		Benzene	ND		0.50 µg/L	08/05/10	08/05/10
		Toluene	ND		0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND		0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND		0.50 µg/L	08/05/10	08/05/10
		Naphthalene	ND		2.0 µg/L	08/05/10	08/05/10

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	**DW-6**					
Lab ID :	STR10080347-06A	TPH-E (DRO)	ND	50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 08:11	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	08/05/10	08/05/10
		Benzene	ND	0.50 µg/L	08/05/10	08/05/10
		Toluene	ND	0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND	0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND	0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND	0.50 µg/L	08/05/10	08/05/10
Client ID :	**DW-7**					
Lab ID :	STR10080347-07A	TPH-E (DRO)	ND	50 µg/L	08/04/10 09:45	08/04/10
Date Sampled	08/03/10 08:23	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	08/05/10	08/05/10
		Benzene	ND	0.50 µg/L	08/05/10	08/05/10
		Toluene	ND	0.50 µg/L	08/05/10	08/05/10
		Ethylbenzene	ND	0.50 µg/L	08/05/10	08/05/10
		m,p-Xylene	ND	0.50 µg/L	08/05/10	08/05/10
		o-Xylene	ND	0.50 µg/L	08/05/10	08/05/10
		Naphthalene	ND	2.0 µg/L	08/05/10	08/05/10

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

Diesel Range Organics (DRO) C13-C22

L = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

8/11/10

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005
Date Received : 08/03/10

Job: Bay Counties Petroleum

Dissolved Metals by ICPMS
EPA Method 200.8

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **DW-1**					
Lab ID : STR10080347-01A	Copper (Cu), Dissolved	ND	10 µg/L	08/12/10 20:15	08/13/10
Date Sampled 08/03/10 09:53	Arsenic (As), Dissolved	9.4	2.0 µg/L	08/12/10 20:15	08/13/10
	Cadmium (Cd), Dissolved	ND	1.0 µg/L	08/12/10 20:15	08/13/10
	Barium (Ba), Dissolved	28	5.0 µg/L	08/12/10 20:15	08/13/10
Client ID: **DW-3**					
Lab ID : STR10080347-03A	Copper (Cu), Dissolved	ND	10 µg/L	08/12/10 20:15	08/13/10
Date Sampled 08/03/10 10:17	Arsenic (As), Dissolved	ND	2.0 µg/L	08/12/10 20:15	08/13/10
	Cadmium (Cd), Dissolved	ND	1.0 µg/L	08/12/10 20:15	08/13/10
	Barium (Ba), Dissolved	58	5.0 µg/L	08/12/10 20:15	08/13/10
Client ID: **DW-5**					
Lab ID : STR10080347-05A	Copper (Cu), Dissolved	ND	10 µg/L	08/12/10 20:15	08/13/10
Date Sampled 08/03/10 09:00	Arsenic (As), Dissolved	5.8	2.0 µg/L	08/12/10 20:15	08/13/10
	Cadmium (Cd), Dissolved	ND	1.0 µg/L	08/12/10 20:15	08/13/10
	Barium (Ba), Dissolved	48	5.0 µg/L	08/12/10 20:15	08/13/10
Client ID: **DW-7**					
Lab ID : STR10080347-07A	Copper (Cu), Dissolved	ND	10 µg/L	08/12/10 20:15	08/13/10
Date Sampled 08/03/10 08:23	Arsenic (As), Dissolved	5.6	2.0 µg/L	08/12/10 20:15	08/13/10
	Cadmium (Cd), Dissolved	ND	1.0 µg/L	08/12/10 20:15	08/13/10
	Barium (Ba), Dissolved	45	5.0 µg/L	08/12/10 20:15	08/13/10

ND = Not Detected
Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

8/17/10
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005
Date Received : 08/03/10

Job: Bay Counties Petroleum

Metals by ICPMS
EPA Method 200.8

Parameter		Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **DW-1**					
Lab ID : STR10080347-01A	Chromium (Cr)	6.8	5.0 µg/L	08/09/10 13:43	08/13/10
Date Sampled 08/03/10 09:53	Iron (Fe)	7,300	100 µg/L	08/09/10 13:43	08/13/10
	Selenium (Se)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
	Lead (Pb)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
Client ID: **DW-3**					
Lab ID : STR10080347-03A	Chromium (Cr)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
Date Sampled 08/03/10 10:17	Iron (Fe)	2,300	100 µg/L	08/09/10 13:43	08/13/10
	Selenium (Se)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
	Lead (Pb)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
Client ID: **DW-5**					
Lab ID : STR10080347-05A	Chromium (Cr)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
Date Sampled 08/03/10 09:00	Iron (Fe)	540	100 µg/L	08/09/10 13:43	08/13/10
	Selenium (Se)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
	Lead (Pb)	ND	5.0 µg/L	08/09/10 13:43	08/13/10
Client ID: **DW-7**					
Lab ID : STR10080347-07A	Chromium (Cr)	45	5.0 µg/L	08/09/10 13:43	08/13/10
Date Sampled 08/03/10 08:23	Iron (Fe)	29,000	100 µg/L	08/09/10 13:43	08/13/10
	Selenium (Se)	5.7	5.0 µg/L	08/09/10 13:43	08/13/10
	Lead (Pb)	15	5.0 µg/L	08/09/10 13:43	08/13/10

ND = Not Detected
Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

8/17/10
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR10080347 **Job:** Bay Counties Petroleum

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10080347-01A	DW-1	Aqueous	2
10080347-02A	DW-2	Aqueous	2
10080347-03A	DW-3	Aqueous	2
10080347-04A	DW-4	Aqueous	5
10080347-05A	DW-5	Aqueous	2
10080347-06A	DW-6	Aqueous	2
10080347-07A	DW-7	Aqueous	2

8/11/10

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Aug-10*

QC Summary Report

Work Order: 10080347

Method Blank

Type: **MBLK** Test Code: **EPA Method 200.8**

File ID: **081210.B\220_M.D** Batch ID: **24854** Analysis Date: **08/13/2010 17:09**

Sample ID: **MB-24854** Units : **µg/L** Run ID: **ICP/MS_100814A** Prep Date: **08/12/2010 20:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Copper (Cu), Dissolved	ND	10								
Arsenic (As), Dissolved	ND	2								
Cadmium (Cd), Dissolved	ND	1								
Barium (Ba), Dissolved	ND	5								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method 200.8**

File ID: **081210.B\221_LL.D** Batch ID: **24854** Analysis Date: **08/13/2010 17:15**

Sample ID: **LCS-24854** Units : **µg/L** Run ID: **ICP/MS_100814A** Prep Date: **08/12/2010 20:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Copper (Cu), Dissolved	53.7	10	50		107	80	120			
Arsenic (As), Dissolved	53.5	2	50		107	80	120			
Cadmium (Cd), Dissolved	53.2	1	50		106	80	120			
Barium (Ba), Dissolved	52.3	5	50		105	80	120			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method 200.8**

File ID: **081210.B\226_SS.D** Batch ID: **24854** Analysis Date: **08/13/2010 17:43**

Sample ID: **10080347-01AMS** Units : **µg/L** Run ID: **ICP/MS_100814A** Prep Date: **08/12/2010 20:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Copper (Cu), Dissolved	49.8	10	50	0	99.5	75	125			
Arsenic (As), Dissolved	57.2	2	50	9.352	96	75	125			
Cadmium (Cd), Dissolved	48.7	2	50	0	97	75	125			
Barium (Ba), Dissolved	78.3	5	50	27.92	101	75	125			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method 200.8**

File ID: **081210.B\227_SS.D** Batch ID: **24854** Analysis Date: **08/13/2010 17:48**

Sample ID: **10080347-01AMSD** Units : **µg/L** Run ID: **ICP/MS_100814A** Prep Date: **08/12/2010 20:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Copper (Cu), Dissolved	48.1	10	50	0	96	75	125	49.76	3.4(20)	
Arsenic (As), Dissolved	56	2	50	9.352	93	75	125	57.17	2.0(20)	
Cadmium (Cd), Dissolved	48	2	50	0	96	75	125	48.65	1.3(20)	
Barium (Ba), Dissolved	76.6	5	50	27.92	97	75	125	78.32	2.2(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Aug-10*

QC Summary Report

Work Order: 10080347

Method Blank

Type: **MBLK** Test Code: **EPA Method 200.8**
File ID: **081210.B\50_M2.D** Batch ID: **24818** Analysis Date: **08/13/2010 00:20**
Sample ID: **MB-24818** Units : **µg/L** Run ID: **ICP/MS_100814B** Prep Date: **08/09/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	ND	5								
Iron (Fe)	ND	100								
Selenium (Se)	ND	5								
Lead (Pb)	ND	5								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method 200.8**
File ID: **081210.B\51_LL.D** Batch ID: **24818** Analysis Date: **08/13/2010 00:26**
Sample ID: **LCS-24818** Units : **µg/L** Run ID: **ICP/MS_100814B** Prep Date: **08/09/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	47.9	5	50		96	85	115			
Iron (Fe)	5010	100	5000		100	85	115			
Selenium (Se)	49.9	5	50		99.7	85	115			
Lead (Pb)	46.2	5	50		92	85	115			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method 200.8**
File ID: **081210.B\56_SS.D** Batch ID: **24818** Analysis Date: **08/13/2010 00:54**
Sample ID: **10080423-01AMS** Units : **µg/L** Run ID: **ICP/MS_100814B** Prep Date: **08/09/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	43.5	5	50	0	87	70	130			
Iron (Fe)	6140	100	5000	1855	86	70	130			
Selenium (Se)	49.2	5	50	0	98	70	130			
Lead (Pb)	58.2	5	50	10.91	95	70	130			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method 200.8**
File ID: **081210.B\57_SSS.D** Batch ID: **24818** Analysis Date: **08/13/2010 00:59**
Sample ID: **10080423-01AMSD** Units : **µg/L** Run ID: **ICP/MS_100814B** Prep Date: **08/09/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	41.4	5	50	0	83	70	130	43.52	5.0(20)	
Iron (Fe)	5990	100	5000	1855	83	70	130	6144	2.6(20)	
Selenium (Se)	48.6	5	50	0	97	70	130	49.19	1.1(20)	
Lead (Pb)	56.9	5	50	10.91	92	70	130	58.24	2.3(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Aug-10*

QC Summary Report

Work Order: 10080347

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **7A08041005.D** Batch ID: **24768** Analysis Date: **08/04/2010 11:18**

Sample ID: **MBLK-24768** Units : **µg/L** Run ID: **FID_7_100803A** Prep Date: **08/04/2010 09:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	ND	50								
Surr: Nonane	158		150		105	57	147			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **7A08041006.D** Batch ID: **24768** Analysis Date: **08/04/2010 11:45**

Sample ID: **LCS-24768** Units : **µg/L** Run ID: **FID_7_100803A** Prep Date: **08/04/2010 09:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2520	50	2500		101	67	130			
Surr: Nonane	137		150		91	57	147			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **7A08041013.D** Batch ID: **24768** Analysis Date: **08/04/2010 15:21**

Sample ID: **10072920-06AMS** Units : **µg/L** Run ID: **FID_7_100803A** Prep Date: **08/04/2010 09:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	4840	50	2500	1872	119	49	150			
Surr: Nonane	146		150		97	57	147			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **7A08041014.D** Batch ID: **24768** Analysis Date: **08/04/2010 15:48**

Sample ID: **10072920-06AMSD** Units : **µg/L** Run ID: **FID_7_100803A** Prep Date: **08/04/2010 09:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	4510	50	2500	1872	106	49	150	4842	7.0(38)	
Surr: Nonane	138		150		92	57	147			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 09-Aug-10

QC Summary Report

Work Order: 10080347

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **10080504.D** Batch ID: **MS12W0805A** Analysis Date: **08/05/2010 10:02**

Sample ID: **MBLK MS12W0805A** Units : µg/L Run ID: **MSD_12_100805B** Prep Date: **08/05/2010 10:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	9.8		10		98	70	130			
Surr: 4-Bromofluorobenzene	8.47		10		85	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **10080503.D** Batch ID: **MS12W0805A** Analysis Date: **08/05/2010 09:39**

Sample ID: **LCS MS12W0805A** Units : µg/L Run ID: **MSD_12_100805B** Prep Date: **08/05/2010 09:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.55	0.5	10		96	62	136			
Benzene	10.9	0.5	10		109	70	130			
Toluene	10.3	0.5	10		103	80	120			
Ethylbenzene	10.2	0.5	10		102	80	120			
m,p-Xylene	11.4	0.5	10		114	70	130			
o-Xylene	10	0.5	10		100	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	9.76		10		98	70	130			
Surr: 4-Bromofluorobenzene	9.81		10		98	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **10080513.D** Batch ID: **MS12W0805A** Analysis Date: **08/05/2010 13:27**

Sample ID: **10080444-01AMS** Units : µg/L Run ID: **MSD_12_100805B** Prep Date: **08/05/2010 13:27**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	143	1.3	50	87.72	110	56	141			
Benzene	53.3	1.3	50	0	107	67	130			
Toluene	49.8	1.3	50	0	99.5	66	130			
Ethylbenzene	49.6	1.3	50	0	99	68	130			
m,p-Xylene	55	1.3	50	0	110	64	130			
o-Xylene	49.2	1.3	50	0	98	70	130			
Surr: 1,2-Dichloroethane-d4	50.4		50		101	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	48.2		50		96	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **10080514.D** Batch ID: **MS12W0805A** Analysis Date: **08/05/2010 13:50**

Sample ID: **10080444-01AMSD** Units : µg/L Run ID: **MSD_12_100805B** Prep Date: **08/05/2010 13:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	142	1.3	50	87.72	109	56	141	142.7	0.2(20)	
Benzene	52.1	1.3	50	0	104	67	130	53.32	2.3(20)	
Toluene	47.9	1.3	50	0	96	66	130	49.76	3.8(20)	
Ethylbenzene	47.6	1.3	50	0	95	68	130	49.63	4.2(20)	
m,p-Xylene	53.5	1.3	50	0	107	64	130	55.02	2.8(20)	
o-Xylene	47.3	1.3	50	0	95	70	130	49.19	3.9(20)	
Surr: 1,2-Dichloroethane-d4	48.7		50		97	70	130			
Surr: Toluene-d8	48.2		50		96	70	130			
Surr: 4-Bromofluorobenzene	48.8		50		98	70	130			

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *09-Aug-10*

QC Summary Report

Work Order: 10080347

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

August 09, 2010

CLS Work Order #: CTH0103
COC #:

Reyna Vallejo
Alpha Analytical, Inc.-Sparks
255 Glendale Ave.; Suite 21
Sparks, NV 89431

Project Name: STR10080347

Enclosed are the results of analyses for samples received by the laboratory on 08/03/10 14:15. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

08/09/10 14:08

Alpha Analytical, Inc.-Sparks	Project: STR10080347	
255 Glendale Ave.; Suite 21	Project Number: STR10080347	**CLS Work Order #: CTH0103**
Sparks, NV 89431	Project Manager: Reyna Vallejo	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STR10080347-01A (DW-1) (CTH0103-01) Water Sampled: 08/03/10 09:53 Received: 08/03/10 14:15									
Hexavalent Chromium	ND	1.0	µg/L	1	CT05668	08/04/10	08/04/10	EPA 7199	
STR10080347-03A (DW-3) (CTH0103-02) Water Sampled: 08/03/10 10:17 Received: 08/03/10 14:15									
Hexavalent Chromium	ND	1.0	µg/L	1	CT05668	08/04/10	08/04/10	EPA 7199	
STR10080347-05A (DW-5) (CTH0103-03) Water Sampled: 08/03/10 09:00 Received: 08/03/10 14:15									
Hexavalent Chromium	ND	1.0	µg/L	1	CT05668	08/04/10	08/04/10	EPA 7199	
STR10080347-07A (DW-7) (CTH0103-04) Water Sampled: 08/03/10 08:23 Received: 08/03/10 14:15									
Hexavalent Chromium	ND	1.0	µg/L	1	CT05668	08/04/10	08/04/10	EPA 7199	

CALIFORNIA LABORATORY SERVICES

08/09/10 14:08

Alpha Analytical, Inc.-Sparks	Project: STR10080347	
255 Glendale Ave.; Suite 21	Project Number: STR10080347	**CLS Work Order #: CTH0103**
Sparks, NV 89431	Project Manager: Reyna Vallejo	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT05668 - General Prep										
Blank (CT05668-BLK1)				Prepared & Analyzed: 08/04/10						
Hexavalent Chromium	ND	1.0	µg/L							
LCS (CT05668-BS1)				Prepared & Analyzed: 08/04/10						
Hexavalent Chromium	4.72	1.0	µg/L	5.00		94	80-120			
LCS Dup (CT05668-BSD1)				Prepared & Analyzed: 08/04/10						
Hexavalent Chromium	4.93	1.0	µg/L	5.00		99	80-120	4	20	
Matrix Spike (CT05668-MS1)		**Source: CTH0103-01**		Prepared & Analyzed: 08/04/10						
Hexavalent Chromium	ND	1.0	µg/L	5.00	ND		75-125			QM-5
Matrix Spike Dup (CT05668-MSD1)		**Source: CTH0103-01**		Prepared & Analyzed: 08/04/10						
Hexavalent Chromium	ND	1.0	µg/L	5.00	ND		75-125		25	QM-5

CALIFORNIA LABORATORY SERVICES

08/09/10 14:08

Alpha Analytical, Inc.-Sparks	Project: STR10080347	
255 Glendale Ave.; Suite 21	Project Number: STR10080347	**CLS Work Order #: CTH0103**
Sparks, NV 89431	Project Manager: Reyna Vallejo	COC #:

Notes and Definitions

QM-5	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR10080347

Report Due By : 5:00 PM On : 12-Aug-10

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Steve Carter	(530) 676-6008 x	scarter@stratusinc.net

EDD Required : **Yes**

Sampled by : Vince Z

PO :

Client's COC # : 27833 Job : Bay Counties Petroleum

Cooler Temp	Samples Received	Date Printed
4 °C	03-Aug-10	**04-Aug-10**

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: METALS_CR6_SUB_W	METALS_DS	METALS_DW	TPH/E_W	VOC_W	Sample Remarks
STR10080347-01A	DW-1	AQ	08/03/10 09:53	12	1	6	Cr6+ by 7199	As, Ba, Cd, Cu	Cr, Fe, Pb, Se	TPH/E_C	BTXE/M/Naphthalene_C	
STR10080347-02A	DW-2	AQ	08/03/10 07:06	8	0	6				TPH/E_C	BTXE/M_C	
STR10080347-03A	DW-3	AQ	08/03/10 10:17	12	1	6	Cr6+ by 7199	As, Ba, Cd, Cu	Cr, Fe, Pb, Se	TPH/E_C	BTXE/M/Naphthalene_C	
STR10080347-04A	DW-4	AQ	08/03/10 09:27	8	0	6				TPH/E_C	BTXE/M_C	
STR10080347-05A	DW-5	AQ	08/03/10 09:00	12	1	6	Cr6+ by 7199	As, Ba, Cd, Cu	Cr, Fe, Pb, Se	TPH/E_C	BTXE/M/Naphthalene_C	
STR10080347-06A	DW-6	AQ	08/03/10 08:11	8	0	6				TPH/E_C	BTXE/M_C	
STR10080347-07A	DW-7	AQ	08/03/10 08:23	12	1	6	Cr6+ by 7199	As, Ba, Cd, Cu	Cr, Fe, Pb, Se	TPH/E_C	BTXE/M/Naphthalene_C	

Comments: Chain prelogged 8/3/10 in order for Sac office to sub Low Level Cr6+ to CLS. Rest of samples received 8/4/10. Security seals intact. Frozen ice. OK to analyze Cr6+ by Method 7199, per Lisa's conversation with Marty Morgan @ Stratus. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tara Dickinson	Tara Dickinson	Alpha Analytical, Inc.	8/4/10 959

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Name Stratus Environmental
Address 3330 Cameron Park Dr. #550
City, State, Zip Cameron Park, CA
Phone Number 530-676-6005 Fax 530-676-6004

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State? AZ ___ CA X NV ___ WA ___ ID ___ OR ___ OTHER ___

27833

Page # 1 of 1

Client Name	P.O. #	Job #
Bay Counties Petroleum		
Address: 6310 Houston Place	EMail Address	
City, State, Zip: Dublin, CA	Phone #	Fax #

Report Attention: Steve Carter
Sampled by: Vince Z

Required QC Level? I II III IV

EDD / EDF? YES X NO ___

Global ID # T0600113164

Time Sampled	Date Sampled 2010	Matrix* See Key Below	Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	Diesel 8015M	BTEX 8260B	MTBE 8260B	Hex Chrome Low Level		REMARKS
0953	08 03	AQ	STR1008034-01	DW-1	Std		10v 3p	X	X	X	X	X	Analyses Required for DW-1, DW-3 DW-5, & DW-7 Dissolved arsenic barium, cadmium total and hexavalent chromium by E218.6 and for dissolved copper, total iron, lead, selenium by E200.8 and Naphthalene
0706			-02	-2			8v						
1017			-03	-3			10v 3p				X	X	
0927			-04	-4			8v						
0900			-05	-5			10v 3p				X	X	
0811			-06	-6			8v						
0823	08 03	AQ	-07	DW-7	Std		10v 3p	X	X	X	X	X	

Sub to CLS

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Vince Zalutka	Vince Zalutka	Stratus Env.	8-3-10	1320
Received by	Lisa de Silva	Lisa de Silva	ALPHA	8-3-10	1320
Relinquished by	Lisa de Silva	Lisa de Silva	ALPHA	8-3-10	1500
Received by	Tara Jackson	Tara Jackson	Alpha	8/4/10	1000
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF - Monitoring Report - Quarterly**
Submittal Title:	**Analytical 8-3-10**
Facility Global ID:	**T0600113164**
Facility Name:	**BAY COUNTIES PETROLEUM**
File Name:	**10080347.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**10/1/2010 7:16:09 AM**
Confirmation Number:	**2956601738**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**GEO_WELL**
Submittal Title:	**Analytical 8-3-10**
Facility Global ID:	**T0600113164**
Facility Name:	**BAY COUNTIES PETROLEUM**
File Name:	**GEO_WELL.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**10/1/2010 7:19:28 AM**
Confirmation Number:	**2454804420**