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CORRECTIVE ACTION INVESTIGATION REPORT

2836 UNION STREET
OAKLAND, CALIFORNIA
RO0002901

Prepared for:

MR. LAWRENCE WADLER
OAKLAND, CALIFORNIA

May 2006

STELLAR
ENVIRONMENTAL SOLUTIONS, INC.
GEOSCIENCE & ENGINEERING CONSULTING

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May 3, 2006

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Environmental Health Care Services Agency
Department of Environmental Health, Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Corrective Action Investigation: 2836 Union Street, Oakland, California
Alameda County Environmental Health Case No. RO0002901

Dear Mr. Chan:

This report discusses a recent Corrective Action Investigation conducted at the referenced property, as proposed in our December 22, 2006 technical workplan. That workplan was approved by Alameda County Environmental Health Care Services Agency, Department of Environmental Health, contingent on the incorporation of some technical revisions.

Site data collected during the investigation indicate the presence of petroleum hydrocarbons in soil and groundwater that warrant groundwater characterization (i.e., well installation and quarterly monitoring). Corrective actions to remove contaminant mass in both soil and groundwater were determined to be feasible. Attached to this report is a technical workplan proposing groundwater characterization (wells) and interim corrective action measures to reduce the overall contaminant mass.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge. Please call the undersigned at (510) 644-3123 if you have any questions.

Sincerely,

Bruce M. Rucker

Bruce Rucker, R.G., R.E.A.
Project Manager

Richard S. Makdisi, R.G., R.E.A.
Principal

cc: Mr. Lawrence Wadler (Property Owner and Responsible Party)
State of California GeoTracker system (electronic upload)
Alameda County ftp system (electronic upload)

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OAKLAND, CALIFORNIA
RO0002901

Prepared for:

MR. LAWRENCE WADLER
2525 MANDELA PARKWAY
OAKLAND, CA 9407

Prepared by:

STELLAR ENVIRONMENTAL SOLUTIONS, INC.
2198 SIXTH STREET, SUITE 201
BERKELEY, CALIFORNIA 94710

May 3, 2006

Project No. 2005-65

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TABLES AND FIGURES

1.0 INTRODUCTION AND BACKGROUND

Stellar Environmental Solutions, Inc. (SES) was retained by the property owner and Responsible Party (Mr. Lawrence Wadler) to conduct a Corrective Action investigation at the property located at 2836 Union Street in Oakland, Alameda County, California. This work implements the activities proposed in our December 22, 2005 technical workplan (Stellar Environmental Solutions, Inc., 2005c). That workplan was approved by Alameda County Environmental Health Care Services Agency, Department of Environmental Health (Alameda County Environmental Health) in March 2006, with minor technical revisions.

The work scope was designed to address two of the generally-required regulatory criteria for site closure associated with underground fuel storage tanks (UFSTs):

- Removing the contaminant source (in this case, residual contaminated soil that would act as a continued impact to groundwater); and
- Characterizing residual soil and/or groundwater contamination.

The implemented scope of work was specifically designed to:

- Evaluate whether residual soil contamination warrants corrective action; and
- Provide additional data on the extent and magnitude of groundwater contamination.

SUBJECT PROPERTY DESCRIPTION AND HISTORY

The approximately 7,200-square foot rectangular subject property is developed with one approximately 1,500-square foot two-story building. A narrow driveway borders the building to the north, and the rear of the property is undeveloped (paved). Adjacent uses include:

- A residence (to the north);
- A paved parking area (to the east);
- A residence (to the south); and
- A sidewalk, then Union Street, then an auto body repair facility (to the west).

Figure 1 shows the site location; Figure 2 is a site plan showing all bore locations for this investigation.

1000 ft Scale: 1 : 43,750 Detail: 12-2 Datum: WGS84

N

SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

2836 Union Street
Oakland, CA

By: MJC | NOVEMBER 2005

Figure 1

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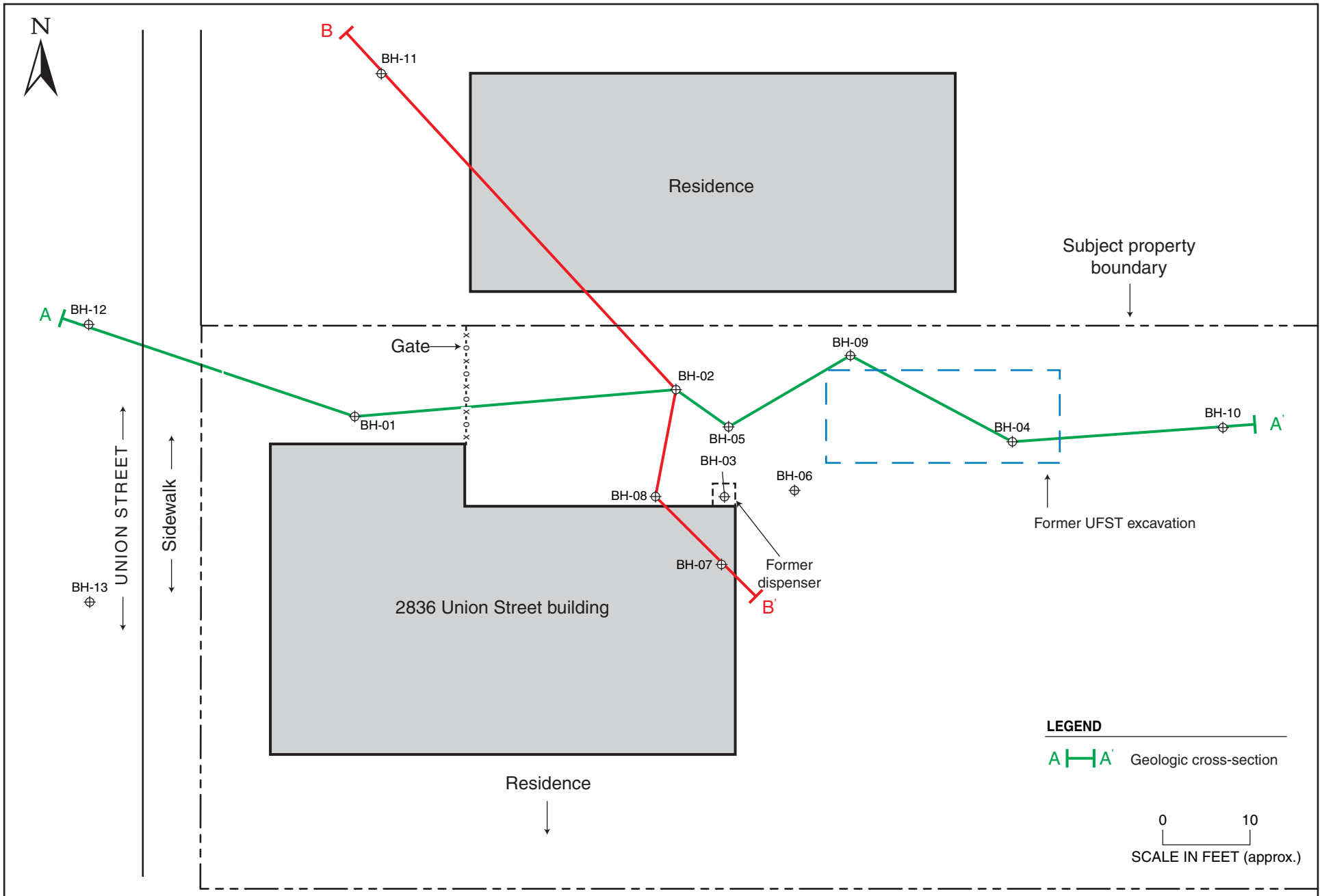
2005-65-01



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SITE PLAN WITH BOREHOLE LOCATIONS

2836 Union Street, Oakland, CA

Figure 2

by: MJC | APRIL 2006

2005-65-35

The property operated as an express courier facility (Modern Mail Services, Inc.) between 1951 and 2003. The property and business were owned by the current property owner's father between 1951 and his death in 1976. At that time, the current owner took over the business and became the legal property owner. One 10,000-gallon gasoline UFST was installed in the late 1970s to fuel courier vehicles. The UFST had been operating under a current Alameda County Environmental Health permit (permit No. STID 4065) when it was removed.

PREVIOUS UFST-RELATED WORK

Analytical results of previous site samples are discussed in a subsequent section. Figure 2 shows key site features (former UFST excavation, former dispenser, and borehole locations).

1998 UFST Removal

One 10,000-gallon UFST was removed in July 1998 from the north side of the property. The UFST bottom was at a depth of 12 feet. Two soil samples were collected in the excavation sidewalls, just above first occurrence of groundwater. One soil sample was collected beneath the dispenser. Following purging of 250 gallons of groundwater from the UFST excavation, one grab-groundwater sample was collected. Elevated levels of petroleum hydrocarbons were detected in the dispenser soil and grab-groundwater sample, and floating petroleum product was observed on the groundwater in the UFST excavation. The tank closure report was submitted to the Oakland Fire Department (Golden Gate Tank Removal, 1998).

November 2005 Initial Site Characterization

In October 2005, Mr. Wadler contacted the Oakland Fire Department to determine what additional work, if any, would be required. Mr. Wadler was instructed to conduct an initial site characterization under oversight of the Oakland Fire Department. SES submitted to the Oakland Fire Department a technical workplan (SES, 2005a), which was subsequently approved.

The investigation was conducted in November 2005, and included the advancing of four exploratory boreholes, the collection of soil and grab-groundwater samples for laboratory analysis, and an evaluation of the analytical results in the context of residual contamination. The investigation determined that gasoline and related aromatic hydrocarbons were present at elevated levels in both soil and groundwater; soil contamination apparently was limited to the area near the former dispenser. The investigation was summarized in a technical report (SES, 2005b). While local groundwater flow direction was not specifically determined in this investigation, the configuration of the contaminant plume seemed to confirm the expected westerly (down topography, and toward San Francisco Bay) groundwater flow direction.

Based on the findings, SES recommended that a corrective action investigation be conducted, and this was proposed in our December 22, 2005 technical workplan (SES, 2005c).

This report discusses the implementation of that corrective action investigation.

REGULATORY STATUS

Alameda County Environmental Health (as Local Oversight Program for the Regional Water Quality Control Board [Water Board]) is the lead regulatory agency for the case, following the Oakland Fire Department's formal transfer of the case to Alameda County Environmental Health. The Alameda County Environmental Health case number is RO0002901. The case has been assigned to the State Water Resources Control Board's GeoTracker database of Leaking Underground Fuel Tank (LUFT sites); the GeoTracker global ID for the site is TO600105641. All technical reports and workplans referenced herein have been submitted to Alameda County Environmental Health by SES (via its electronic upload ftp system) as well as to the State electronic upload GeoTracker system.

The Responsible Party has submitted an application to the California Underground Storage Tank Cleanup Fund (Fund), the first step in seeking reimbursement for eligible "corrective action" (including both investigation and remediation) costs. All SES work has been conducted in accordance with Fund guidance. Per Fund requirements, corrective action work will be conducted as directed by the local regulatory agency (Alameda County Environmental Health).

2.0 DRILLING AND SAMPLING ACTIVITIES

PRE-FIELDWORK ACTIVITIES

Technical Workplan

SES submitted to Alameda County Environmental Health a technical workplan discussing the proposed scope of work (Stellar Environmental Solutions, Inc., 2005c). Alameda County Environmental Health requested some technical revisions, including an additional borehole and additional samples in some boreholes (Alameda County Environmental Health, 2006). Those requested revisions were incorporated into the implemented scope of work.

Permitting and Planning

Prior to drilling, SES marked the drilling locations with white paint and reported the planned drilling activities to Underground Service Alert of Northern California (USA North), which is responsible for notifying local utility companies to conduct a site-specific survey and mark underground utilities. We obtained and paid for the required borehole drilling permit from Alameda County Public Works Agency (ACPWA). We notified ACPWA of the drilling schedule; however, ACPWA did not conduct an inspection. We also obtained from the City of Oakland Public Works/Engineering Department an Excavation Permit required for the two boreholes in the Union Street right-of-way. Copies of the permits are included as Appendix A.

Rationale for Borehole Locations and Sampling Program

Nine boreholes (BH-05 through BH-13) were advanced, as shown on Figure 2. Borehole locations were selected to provide additional information on the extent of soil and groundwater contamination, as follows. Access to the north of the zone of greatest contamination is precluded by a residence.

- Boreholes BH-12 and BH-13 were advanced beyond the property (in Union Street) to provide information on downgradient conditions. Borehole BH-11 was advanced on the adjoining (to the north) residential property also to assess the limits of groundwater contamination in that direction.
- Boreholes BH-05 through BH-08 were advanced in close proximity to the former fuel dispenser, where contamination was detected in the November 2005 initial site

characterization. The specific objective of these boreholes was to evaluate if soil concentrations and distribution warrant corrective action, as well as to obtain additional data on groundwater concentrations.

- Borehole BH-10 was advanced east of (inferred upgradient from) the former UFST excavation, to evaluate if groundwater contamination extends in the upgradient direction.
- BH-09 was advanced on the north side of the lot in the vicinity of the inferred center of mass of groundwater contamination. This borehole was originally proposed (per the workplan) to be immediately west of the former UFST excavation. However, we encountered UFST excavation backfill material (sand) at the proposed location. Because our objective was to determine native soil conditions (as the backfill material is presumed uncontaminated), we moved BH-09 to the north, between the former UFST excavation and the northern property line.

In accordance with a request by Alameda County Environmental Health, at least one soil sample was collected from every borehole. In the boreholes that displayed no field evidence of contamination (odor or positive PID readings), that soil sample was collected at the capillary fringe (just above first occurrence of groundwater). When soil contamination was evident in the field (five of the boreholes), soil samples were collected at depth intervals of approximately 2.5 feet within the zone displaying contamination.

Soil samples were collected for laboratory analysis from critical depths, with the overall objectives of characterizing contaminant extent and local hydrogeology:

- Zones with high field evidence of contamination (limited to the former dispenser area);
- Capillary fringe (just above groundwater), which varied by depth depending on borehole due to the presence of two water-bearing zones
- Saturated zone
- Clay aquitard (the low-permeability zone underlying the saturated zone)

Grab-groundwater samples were collected in all boreholes. The tables of analytical results in Section 4.0 summarize soil and groundwater sampling locations and depths.

EXPLORATORY BOREHOLE DRILLING AND SAMPLING

Exploratory borehole drilling and sampling was conducted on April 3, 2006. Drilling was conducted by EnProb Environmental Probing (C-57 License No. 777007), under the direct supervision of an SES Registered Geologist. The boreholes were drilled with a truck-mounted GeoProbe™ rig. Boreholes were drilled with a direct-push (GeoProbe™) rig that advances

2-inch-diameter steel outer drive casing lined with acetate sampling sleeves. Figure 2 shows the borehole locations. Appendix B contains photodocumentation of the drilling activities.

Continuous soil cores were collected in acetate sleeves. Site lithology was determined by geologic logging the core samples (results discussed in a subsequent section). At a minimum, soil samples from depth intervals of 2 feet were collected and field-screened for evidence of contamination. Soil was placed in a clean glass jar with a Teflon lid, and screened with a photoionization detector (PID) that provides direct reading of total ionizable vapors (calibrated to isobutylene). This provides a qualitative screening for the presence and relative concentration of volatile hydrocarbons (including the site contaminants gasoline and aromatic hydrocarbons). Appendix C contains the borehole geologic logs, including observations of contamination and PID readings.

Boreholes were advanced to the first occurrence of groundwater, as defined by sufficient groundwater entering the borehole to allow for the collection of groundwater samples. In one borehole in the area of maximum contamination, we advanced the sampler beyond first occurrence of groundwater, to evaluate deeper site lithology (i.e., depth to underlying clay). At a minimum, water levels were measured once following sampling activities and before grouting.

Groundwater samples were collected by inserting temporary PVC casing (with basal screen) into the borehole, allowing groundwater to infiltrate the casing, then withdrawing groundwater with a new disposable bailer. All samples were labeled, chilled, and transported to the analytical laboratory under chain-of-custody documentation (copy included in Appendix D).

Following completion of drilling and sampling activities (the same day), the boreholes were tremie-grouted to surface with a slurry of neat Portland cement and potable water. Drill cuttings from the investigation were placed in labeled, covered, 5-gallon buckets, which were left onsite. As a cost-savings measure, we recommend that this waste soil be held onsite until it is known that no further waste soil will be generated.

LABORATORY ANALYSES

The soil and groundwater samples were analyzed for:

- Total volatile hydrocarbons (TVH), gasoline range – by EPA Method 8015M;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl *tertiary*-butyl ether (MTBE) – by EPA Method 8260;
- The lead scavengers 1,2-dichloroethane (EDC) and 1,2-dibromoethane (EDB), by EPA Method 8260B; and
- Fuel oxygenates, by EPA Method 8260B

- Volatile organic compounds (VOCs) by EPA Method 8260B (subset of samples, see discussion in subsequent section)

Curtis and Tompkins, Ltd. (a California-certified analytical laboratory) completed all laboratory analyses.

3.0 PHYSICAL SETTING

TOPOGRAPHY AND DRAINAGE

The mean elevation of the property is approximately 18 feet above mean sea level (amsl), and the general topographic gradient in the site vicinity is slight and to the west-southwest (toward San Francisco Bay). The site itself has no discernible slope. The nearest downgradient (to the west) permanent surface water body is the Airport Channel of San Leandro Bay, which is connected to San Francisco Bay) located approximately 2 miles west of the subject property. We observed no stormwater drains or inlets of the property; stormwater drains were observed in the surrounding streets. Site stormwater runoff (including roof-sourced runoff) would be expected to drain onto the ground and enter the municipal storm water system. According to the commercially-available database, the site is not located within a flood zone or wetlands.

LITHOLOGY AND HYDROGEOLOGY

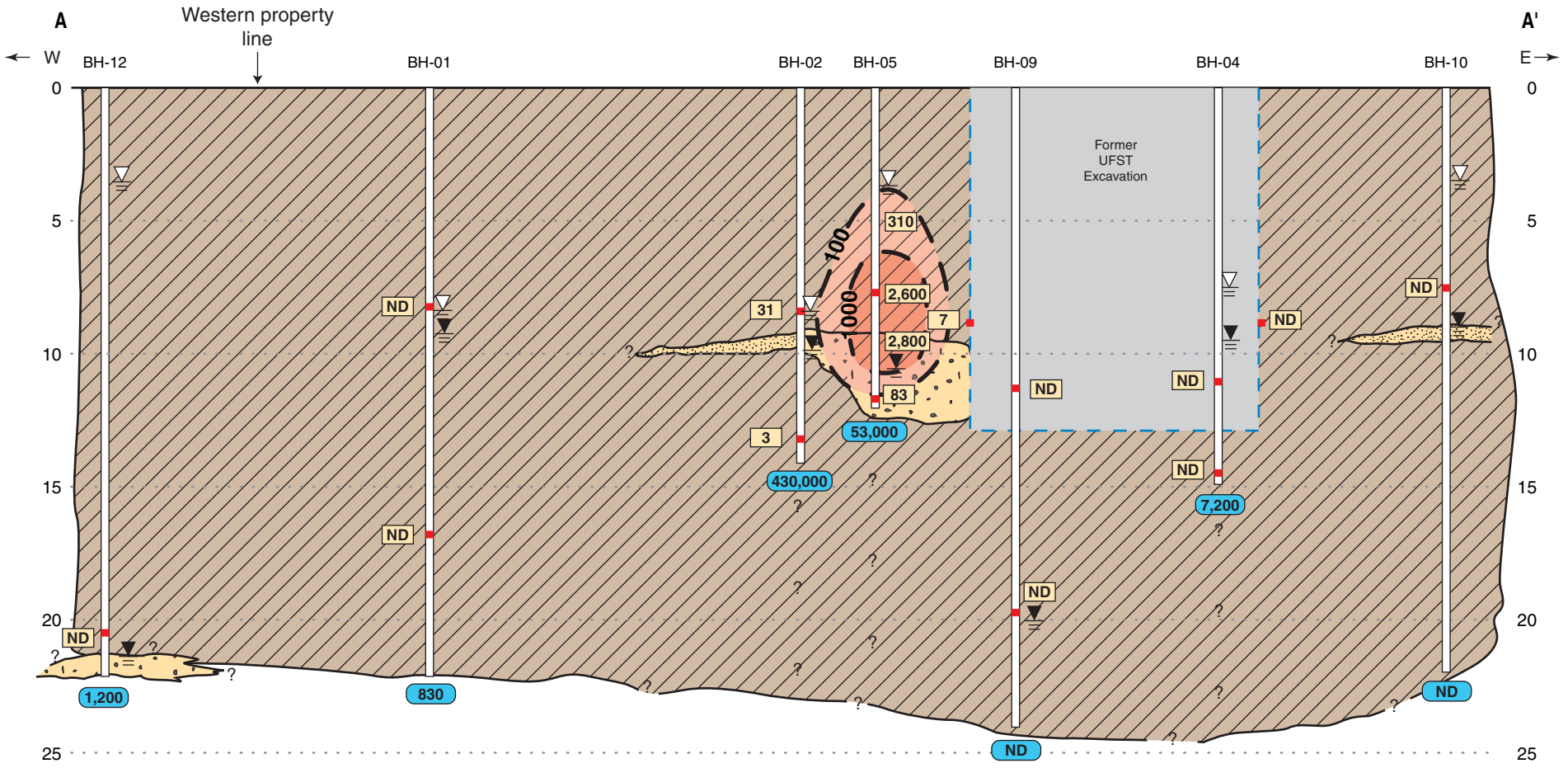
Shallow site lithology has been determined in this and the current investigations by the visual method of the Unified Soils Classification System (USCS) using continuous core soil samples from the two borehole programs. Appendix C contains borehole geologic logs. The elevation of the property ranges from approximately 17 to 19 feet above mean sea level (amsl).

Figures 3 and 4 are geologic cross-sections across the site (approximately parallel to and perpendicular to the inferred groundwater flow direction), with boreholes projected into the cross-section as necessary. The cross-section locations are shown on Figure 2 (in Section 1.0).

The predominant soil type in all site boreholes was silty clay, generally stiff and cohesive. Several of the boreholes had no obvious sand or gravel units, although minor amounts of sand and gravel were occasionally present in the overall clay matrix.

In several of the deeper boreholes (including downgradient boreholes BH-11, BH-12, and BH-13), the soil was up to 40 percent gravel at depths of approximately 20 to 22 feet.

In most (but not all) of the boreholes advanced in the central portion of the investigation area, a thin sand and/or gravel unit was encountered at depths between approximately 8 and 13 feet. This sand/gravel unit was water-bearing, and could represent a limited perched groundwater



LEGEND

BH-1 Exploratory Boring BH-1

14 Location of soil sample collected for laboratory analysis, and soil gasoline concentration (mg/Kg)

ND = Not detected

Silt/clay

Sand/gravel

Water level during drilling

Equilibrated water level

7,200 Groundwater gasoline concentration (µg/L)

100 Gasoline in soil contour (mg/Kg)

Note: former dispenser is projected into section (approx. 7' from south)

0 10

HORIZONTAL SCALE IN FEET (approx.)

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GEOLOGIC CROSS SECTION A-A'

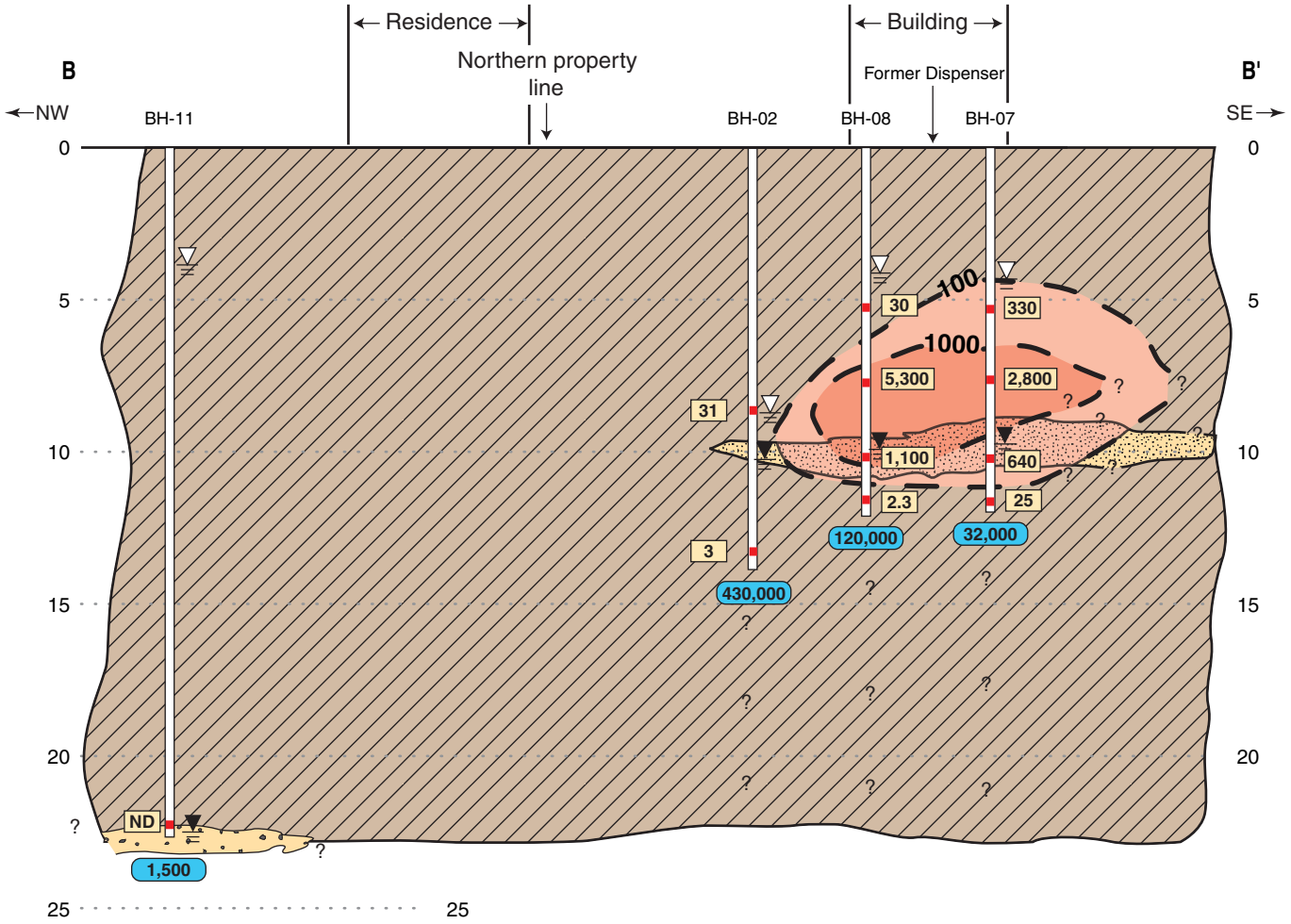
2836 Union Street, Oakland, CA

Figure 3

by: MJC

APRIL 2006

2005-65-30



LEGEND

BH-1 Exploratory Boring BH-1

14 Location of soil sample collected for laboratory analysis, and soil gasoline concentration (mg/Kg)

ND = Not detected

Silt/clay

Sand/gravel

Water level during drilling

Equilibrated water level

7,200 Groundwater gasoline concentration (µg/L)

100 Gasoline in soil contour (mg/Kg)

Note: former dispenser is projected into section (approx. 5' from northeast)

0 10

HORIZONTAL SCALE IN FEET (approx.)

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GEOLOGIC CROSS SECTION B-B'

2836 Union Street, Oakland, CA

Figure 4

by: MJC

APRIL 2006

2005-65-31

zone. The shallow water-bearing zone could be relatively continuous to the east across the former UFST (between boreholes BH-05 and BH-10), but appears discontinuous to the west where no shallow sand/gravel units were logged (boreholes BH-01 and BH-12).

The former UFST excavation (characterized by borehole BH-04) consists of sand and gravel backfill to a depth of approximately 13 feet, underlain by stiff, cohesive clay.

Groundwater was first encountered at depths between approximately 20 and 22 feet deep in the boreholes in Union Street (BH-12 and BH-13), at the adjacent residence (BH-11), and at the northern property line (BH-09). Groundwater was coincident with the gravelly clay in those boreholes. Groundwater quickly (within 5 minutes) rose to approximately 3 to 4 feet in those boreholes, indicating confining or semi-confining conditions.

In the boreholes placed in the central area of the site where water bearing sands were logged—such as boreholes BH-02, BH-05, BH-07, and BH-08—groundwater was encountered at depths between approximately 8 and 10 feet. This includes the boreholes that were advanced in November 2005 (when there had no been significant precipitation and groundwater levels were expected to be at a minimum). In the majority of boreholes where groundwater was encountered at the 8- to 10-foot depth, groundwater was coincident with either a sand or gravel unit, or a sandy or gravelly clay. As with the boreholes where groundwater was first encountered at approximately 20 feet deep, groundwater quickly rose to a depth of approximately 3 to 4 feet.

The first encountered groundwater in the central portion of the site may be a potential perched groundwater zone (i.e., hydraulically separated to some degree by the underlying low permeability clay unit from the groundwater zone encountered at approximately 20-foot depth in other boreholes). Alternatively, the shallower groundwater could be the result of a strong vertical (upward) gradient from the groundwater encountered at approximately 20 feet deep. Determining the relationship between the two water-bearing zones would require measuring groundwater elevations in wells that have discrete screened intervals in the separate water-bearing zones. In the former UFST excavation (characterized by borehole BH-04), groundwater was encountered near the bottom of the backfill material (approximately 10 feet deep).

Local groundwater flow direction has not been determined, but is generally to the west (toward San Francisco Bay and following local topography) in this area of west Oakland. Based on the configuration of the groundwater contaminant plume (see Section 5.0), it appears that local groundwater flow direction may be to the west-northwest.

The observed local heterogeneities in shallow lithology and groundwater levels are typical of the alluvial deposits in this area.

4.0 REGULATORY CONSIDERATIONS

The Water Board has established Environmental Screening Levels (ESLs) for evaluating the likelihood of environmental impact. ESLs are conservative screening-level criteria for soil and groundwater, designed to be generally protective of both drinking water resources and aquatic environments; they incorporate both environmental and human health risk considerations. ESLs are not cleanup criteria (i.e., health-based numerical values or disposal-based values). Rather, they are used as a preliminary guide in determining whether additional remediation and/or investigation may be warranted. Exceedance of ESLs suggests that additional investigation and/or remediation is warranted.

Different ESLs are published for commercial/industrial vs. residential land use, for sites where groundwater is a potential drinking water resource vs. is not a drinking water resource, and the type of receiving water body. A Water Board-published map of the East Bay shows areas where groundwater is, and is not, a potential drinking water resource.

In our professional opinion, the appropriate ESLs for the subject site are based on:

- Residential land use (due to the residence adjoining the property) and commercial/ industrial (for the subject property itself). Note that, for both soil and groundwater contaminants, all ESLs for site contaminants are the same for both residential and commercial/industrial land use.
- Groundwater is a potential drinking water resource
- The receiving body for groundwater discharge is an estuary (San Francisco Bay).

The State of California has also promulgated drinking water standards (Maximum Contaminant Levels [MCLs]) for some of the site contaminants. Drinking water standards may also be utilized by regulatory agencies to evaluate the potential risk associated with groundwater contamination. For the site contaminants, MCLs are generally the same as the ESLs (except that there is no MCL for gasoline).

Once ESLs or drinking water standards are exceeded, the need for and type of additional investigative and corrective actions are generally driven by the potential risk associated with the

contamination. Minimum regulatory criteria generally applied to fuel leak cases in groundwater include:

- The contaminant source has been removed, including reasonably accessible contaminated soils that pose a long-term impact to groundwater.
- The extent of residual contamination has been fully characterized, to obtain sufficient lithologic and hydrogeologic understanding (generally referred to as a Site Conceptual Model).
- Groundwater wells have been installed and are monitored periodically to evaluate groundwater contaminant concentrations and hydrochemical trends.
- The stability of the contaminant plume has been evaluated to determine whether it is moving or increasing in concentration.
- A determination has been made as to whether the residual contamination poses an unacceptable risk to sensitive receptors.

5.0 CORRECTIVE ACTION INVESTIGATION FINDINGS AND ASSESSMENT

This section discusses the findings of the November 2005 and April 2006 subsurface site investigations (as well as the now outdated UFST removal data). Based on these data, a conceptual site model has been developed.

DRILLING OBSERVATIONS

At the Workplan-proposed borehole location immediately to the west of the former UFST excavation, we encountered UFST excavation backfill material (sand). Our objective was to determine native soil conditions (because the backfill material was presumed to be uncontaminated).

Field evidence of contamination (petroleum odor and elevated PID readings) was present in five of the nine boreholes (all except those in the street, the adjacent residential property, and the one onsite east of the former UFST). In general, contamination was evident at depths between approximately 5 and 10 feet. In boreholes with evidence of soil contamination, no contamination was detected in the low-permeability clay unit that underlies the shallow water-bearing zone.

In borehole BH-08 (in the area of maximum groundwater contamination), we observed evidence of light non-aqueous phase liquid (LNAPL) ("free product") on the groundwater bailer and on the surface of the groundwater sample in the VOA vial. The material was dark brown to black, indicating a high degree of weathering. The thickness of the LNAPL layer is unknown (see detailed discussion below under "Preliminary Site Conceptual Model"). LNAPL was not observed in any of the other site boreholes.

ANALYTICAL RESULTS

Tables 1 through 4 summarize the analytical results for all site soil and groundwater samples, including the 1998 UST removal phase and the November 2005 and April 2006 investigations. Appendix D contains the certified analytical laboratory reports and chain-of-custody records for the current investigation samples. A site conceptual model discussing the distribution of site contamination is presented in a subsequent subsection.

Table 1
Soil Analytical Results – Petroleum and Aromatic Hydrocarbons
2836 Union Street, Oakland, California

Sample ID	Sample Location	Sample Depth (feet)	TVHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
July 1998 UFST Removal Excavation Soil Samples								
7751-E	CF - excavation sidewall	8.5	*< 0.5*	*< 0.005*	*< 0.005*	*< 0.005*	*< 0.01*	*< 0.005*
7751-W	CF - excavation sidewall	8.5	**7.2**	*< 0.005*	0.012	0.065	0.021	*< 0.005*
7751-DISP	beneath dispenser, unsaturated zone	2.0	**2,100**	**2.8**	**16**	**15**	**93**	**5.1**
November 2005 Borehole Soil Samples								
BH-01-8’	CF: upper water-bearing zone	8	*< 1.0*	*< 0.005*	*< 0.005*	*< 0.005*	*< 0.01*	*< 0.021*
BH-01-17’	clay aquitard	17	*< 1.0*	*< 0.005*	*< 0.005*	*< 0.005*	*< 0.01*	*< 0.021*
BH-02-8.5’	CF: upper water-bearing zone	8.5	31	**0.093**	*< 0.005*	0.75	0.55	*< 0.022*
BH-02-13.5’	clay aquitard	13.5	3.0	0.012	*< 0.005*	0.057	0.134	**0.024**
BH-03-2.5’	unsaturated zone	2.5	**220**	**0.47**	**6.7**	**3.10**	**17.9**	*< 0.26*
BH-03-7’	unsaturated zone	7	**920**	**1.8**	**19**	**16**	**81**	*< 0.66*
BH-03-14.5’	clay aquitard	14.5	*< 1.0*	*< 0.005*	*< 0.005*	0.019	0.021	*< 0.02*
BH-04-10.5’	saturated zone -UFST excav. backfill	10.5	*< 0.93*	*< 0.005*	*< 0.005*	*< 0.005*	0.007	*< 0.019*
BH-04-14.5’	clay aquitard	14.5	*< 1.0*	*< 0.005*	*< 0.005*	*< 0.005*	*< 0.01*	*< 0.02*
April 2006 Borehole Soil Samples								
BH-05-5’	unsaturated zone	5	**310**	**0.32**	*< 0.25*	**3.8**	**7.9**	*< 0.25*
BH-05-7.5’	CF: upper water-bearing zone	7.5	**2,600**	*< 3.1*	**37**	**35**	**161**	*< 3.1*
BH-05-10’	saturated zone (upper)	10	**2,800**	*< 5.0*	*< 5.0*	**85**	**150**	*< 5.0*
BH-05-11.5’	clay aquitard	11.5	83	*< 0.2*	*< 0.2*	2.7	0.83	*< 0.2*
BH-06-5’	unsaturated zone	5	8.6	**0.170**	*< 0.017*	0.22	*< 0.017*	*< 0.017*
BH-06-7.5’	CF: upper water-bearing zone	7.5	**1,300**	0.025	*< 0.025*	0.38	0.034	*< 0.025*
BH-06-10’	saturated zone (upper)	10	9.2	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*
BH-07-5’	unsaturated zone	5	330	**0.34**	**2.20**	2.40	**11.9**	*< 0.25*

Table 1 (continued)

Sample ID	Sample Location	Sample Depth (feet)	TVHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
April 2006 Borehole Soil Samples — continued								
BH-07-7.5’	CF: upper water-bearing zone	7.5	**2,800**	*< 4.2*	**10**	**43**	**196**	*< 4.2*
BH-07-10’	clay aquitard	10	**640**	*< 0.17*	*< 0.17*	2.30	1.20	*< 0.17*
BH-07-11.5’	clay aquitard	11.5	25	*< 0.005*	*< 0.005*	0.012	0.0243	0.0057
BH-08-5’	unsaturated zone	5	30	**0.21**	*< 0.13*	1.1	1.36	**0.22**
BH-08-7.5’	CF: upper water-bearing zone	7.5	**5,300**	*< 6.3*	**88**	**79**	**380**	*< 6.3*
BH-08-10’	saturated zone (upper)	10	**1,100**	*< 2.0*	**11**	**18**	**86**	*< 2.0*
BH-08-11.5’	clay aquitard	11.5	2.3	**0.67**	0.096	0.26	0.54	**0.0098**
BH-09-11.5’	unsaturated zone	11.5	*< 0.97*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*
BH-09-19.5’	CF: lower water-bearing zone	19.5	*< 0.92*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*
BH-10-7.5’	CF: upper water-bearing zone	7.5	*< 0.99*	*< 0.0045*	*< 0.0045*	*< 0.0045*	*< 0.0045*	*< 0.0045*
BH-11-22’	CF: lower water-bearing zone	22	*< 1.1*	*< 0.0049*	*< 0.0049*	*< 0.0049*	*< 0.0049*	*< 0.0049*
BH-12-20.5’	CF: lower water-bearing zone	20.5	*< 1.0*	*< 0.0046*	*< 0.0046*	*< 0.0046*	*< 0.0046*	*< 0.0046*
BH-13-20.5’	CF: lower water-bearing zone	20.5	*< 1.0*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*	*< 0.0048*
ESLs [(a)]			*100*	*0.04*	*2.0*	*3.0*	*1.5*	*0.023*

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for residential or commercial/industrial sites where groundwater is a potential drinking water resource.

CF = capillary fringe
TVHg = total volatile hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether

All concentrations are in milligrams per kilogram (mg/kg). Samples in **bold-face type** exceed the ESL criterion.

Table 2
April 2005 Borehole Soil Analytical Results –
Volatile Organic Compounds
2836 Union Street, Oakland, California

(all concentrations are in µg/kg)

Sample ID	BH-05-7.5'	BH-06-7.5'	BH-07-7.5'	BH-08-7.5'	ESLs [a]
VOCs Not Associated With Gasoline					
Acetone	*< 13,000*	*< 100*	*< 17,000*	*<25,000*	240
cis-1,2-dichloroethene	*< 3,100*	*< 25*	*< 4,200*	*< 6,300*	190
Trichloroethene	*< 3,100*	*< 25*	*< 4,200*	*< 6,300*	260
Gasoline Constituent VOCs					
Isopropylbenzene	4,100	320	5,400	9,300	NLP
Propylbenzene	16,000	> 1,100 [b]	22,000	36,000	NLP
1,3,5-Trimethylbenzene	28,000	42	41,000	63,000	NLP
2-Chlorotoluene	*< 3,100*	*< 25*	*< 4,200*	*< 6,300*	NLP
1,2,4-Trimethylbenzene	> 93,000 [b]	*< 25*	> 140,000 [b]	190,000	NLP
sec-Butylbenzene	*< 3,100*	320	*< 4,200*	*< 6,300*	NLP
Para-Isopropyl Toluene	*< 3,100*	*< 25*	*< 4,200*	*< 6,300*	NLP
n-Butylbenzene	7,800	> 950 [b]	8,800	18,000	NLP
Naphthalene	**11,000**	> 530 [b]	**19,000**	**27,000**	4,200

Notes:

[a] ESLs = Water Board Environmental Screening Levels for residential or commercial/industrial sites where groundwater is a potential drinking water resource.

[b] chromatograph response exceeds instrument's linear range – actual concentration is undefined amount greater than reported.

Samples in **bold-face type** exceed the ESL criterion. NLP = No Level Published
Table lists those compounds detected in the soil samples, as well as those compounds detected in site groundwater samples. See Appendix D for full list of analytes.

Table 3
Groundwater Analytical Results –
Petroleum and Aromatic Hydrocarbons
2836 Union Street, Oakland, California

Sample ID	TVHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
July 1998 UFST Removal Excavation Grab-Groundwater Sample						
7561-GW [a]	**4,200**	**15**	4.0	**140**	**170**	**150**
November 2005 Borehole Groundwater Samples						
BH-01-GW	**830**	0.76	*< 0.50*	*< 0.50*	*< 0.50*	**24**
BH-02-GW	**430,000**	**6,700**	**350**	**14,000**	**31,000**	*< 200*
BH-03-GW	**73,000**	**530**	**440**	**4,400**	**5,540**	*< 200*
BH-04-GW	**7,200**	*< 0.5*	*< 0.5*	18	1.2	*< 2.0*
April 2006 Borehole Groundwater Samples						
BH-05-GW	**53,000**	**570**	**680**	**4,600**	**3,270**	**60**
BH-06-GW	**5,000**	**82**	5.2	**290**	**35.5**	**14**
BH-07-GW	**32,000**	**230**	**120**	**1,600**	**2,560**	**43**
BH-08-GW	**120,000**	**1,200**	**9,300**	**4,400**	**20,400**	**120**
BH-09-GW	*< 50*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
BH-10-GW	*< 50*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	3.7
BH-11-GW	**1,500**	*< 8.3*	*< 8.3*	*< 8.3*	*< 8.3*	*< 8.3*
BH-12-GW	**1,200**	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*
BH-13-GW	**940**	*< 4.2*	*< 4.2*	*< 4.2*	*< 4.2*	*< 4.2*
ESLs [b]	100	1.0	40	30	13	5.0
MCLs	no level published	1.0	40	30	20	5.0

Notes:

[a] This sample had no detectable lead (< 0.05 mg/L).

[b] ESLs = Water Board Environmental Screening Levels for residential or commercial/industrial sites where groundwater is a potential drinking water resource.

MCLs = California Maximum Contaminant Levels.
TVHg = total volatile hydrocarbons as gasoline.
MTBE = methyl tertiary-butyl ether

All concentrations are in micrograms per liter (µg/L). Samples in **bold-face type** exceed the ESL or MCL criterion.

Table 4
April 2005 Borehole Groundwater Analytical Results –
Volatile Organic Compounds
2836 Union Street, Oakland, California

Sample ID	BH-05-GW	BH-07-GW	BH-09-GW	BH-10-GW	BH-11-GW	BH-12-GW	BH-13-GW	ESLs [(a)]	MCLs
VOCs Not Associated With Gasoline									
Acetone	*< 830*	*< 200*	*< 10*	**31**	*< 170*	*< 40*	*< 83*	700	NLP
cis-1,2-dichloroethene	*< 42*	*< 10*	*< 0.5*	*< 0.5*	**71**	**53**	**41**	6.0	70
Trichloroethene	*< 42*	*< 10*	*< 0.5*	*< 0.5*	**3,900**	**2,000**	**2,200**	5.0	5.0
Gasoline Constituent VOCs									
Isopropylbenzene	**290**	**300**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
Propylbenzene	**860**	**1,000**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
1,3,5-Trimethylbenzene	**700**	**1,000**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
2-Chlorotoluene	**66**	*< 10*	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
1,2,4-Trimethylbenzene	**2,300**	**2,500**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
sec-Butylbenzene	**69**	**78**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
Para-Isopropyl Toluene	**50**	**39**	*< 0.5*	*< 0.5*	*< 8.3*	*< 2.0*	*< 4.2*	NLP	NLP
Naphthalene	**960**	**630**	*< 2.0*	*< 2.0*	*< 33*	*< 8.0*	*< 17*	**21**	NLP

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for residential or commercial/industrial sites where groundwater is a potential drinking water resource.

MCLs = California Maximum Contaminant Levels
TVHg = total volatile hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether

NLP = no level published

All concentrations are in micrograms per liter (µg/L). Samples in **bold-face type** exceed the ESL or MCL criterion.

Table lists only detected VOCs. See laboratory report appendix for full list of target compounds.

Discussion of Analytical Methods

Laboratory analytical methods have analyte-specific "standard" method reporting limits (MRLs) that are based on the sensitivity of the analytical equipment. When samples contain elevated concentrations of contaminants, samples must be diluted before analysis to keep the analytical equipment "within range" (otherwise, the actual concentrations are "over range" of the equipment and cannot be determined).

The current investigation soil and groundwater samples from the dispenser area had elevated levels of gasoline, requiring sample dilutions up to 125 time (for groundwater) and up to 2,000 times (for soil), raising the standard MRLs by those factors. This resulted in MRLs for BTEX, fuel oxygenates, and lead scavengers that were above their respective ESL and/or MCL criteria in some samples. This, these contaminants might be present in those samples at concentrations between the elevated MRLs and the ESL/MCL criteria.

A separate sample dilution issue occurred on groundwater samples BH-11, BH-12, and BH-13 (offsite, downgradient boreholes). While gasoline concentrations were low enough in those samples that sample dilutions were not required, the laboratory reported that sample dilutions were required (up to 8 times) due to the presence of "non-target compounds" in the samples. The screening-level evaluation determined that these compounds included some of the regulated volatile organic compounds (VOCs); however, the laboratory could not provide quantitative data without further evaluation. We therefore had the laboratory re-process the chromatograph data on selected soil and groundwater samples to determine what VOCs were present and at what concentrations. This was done to ascertain whether there was a separate site-sourced contamination issue associated with the VOCs.

Soil Contamination

As shown in Table 1, soil contaminants detected include: gasoline (up to 5,300 milligrams per kilogram [mg/kg]); benzene (up to 2.8 mg/kg); MTBE (up to 5.1 mg/kg); and elevated levels of the aromatic hydrocarbons toluene, ethylbenzene, and xylenes. In general, there was good correlation between the distribution of gasoline and aromatic hydrocarbons/MTBE.

Neither fuel oxygenates nor lead scavengers were detected in any of the soil samples, although required sample dilutions raised the MRLs to levels above ESL criteria.

Several VOCs were identified in the recent investigation groundwater samples (discussed below). We therefore had the laboratory re-process the chromatographic data to quantify the VOCs in key soil samples. This was done to evaluate whether the detected VOC contamination was the result of an onsite or an offsite source. Soil samples we had re-processed included

samples with elevated levels of petroleum compounds in the area of the former dispenser (BH-05, BH-06, BH-07, and BH-08). Those samples were all from the unsaturated zone (7.5 feet deep); thus, VOC contamination in the samples would indicate that the VOCs were site-sourced.

As shown in Table 2, 12 VOCs were detected in the soil samples, not including aromatic hydrocarbons or MTBE. We have determined that 9 of these compounds are either constituents of gasoline or are degradation products of gasoline (BP Oil, 1993). Those compounds were detected at elevated concentrations only in those samples with elevated gasoline and aromatic hydrocarbons, and at concentrations approximately correlating with their constituent percentage of gasoline (BP Oil, 1993). No chlorinated VOCs that would not be associated with gasoline were detected in the soil, including those VOCs that were detected in offsite groundwater samples (discussed below).

Groundwater Contamination

Gasoline and Aromatic Hydrocarbons

The distribution of gasoline and aromatic hydrocarbons shows a limited area of high concentration of dissolved hydrocarbons centered around the former UFST and dispenser area, with significant lateral (and downgradient) attenuation.

As shown in Table 3, the following fuel-related contaminants were detected in groundwater: gasoline (up to 430,000 micrograms per liter [µg/L]); benzene (up to 6,700 µg/L); MTBE (120 µg/L in BH-08); and the fuel-related aromatic hydrocarbons toluene, ethylbenzene, and xylenes. In general, there was good correlation between the distribution of gasoline and aromatic hydrocarbons/MTBE.

Fuel Oxygenates and Lead Scavengers

Neither fuel oxygenates nor lead scavengers were detected in any of the April 2005 borehole groundwater samples (BH-05 through BH-13). These contaminants were not analyzed for in the November 2005 groundwater samples (BH-01 through BH-04). Due to the sample dilutions required on the current investigation, method reporting limits for fuel oxygenates and lead scavengers were greater than their ESL criteria (for the samples with elevated gasoline concentration).

VOCs

As discussed above, VOCs were qualitatively identified in downgradient, offsite groundwater samples BH-11, BH-12, and BH-13. Based on the laboratory chromatograph showing some non-petroleum VOCs in the above samples, SES had the laboratory re-process the chromatographic

data to quantify the VOCs in key groundwater samples (both offsite and onsite locations). This was done to evaluate whether the detected VOC contamination was the result of an onsite or an offsite source.

As shown in Table 4, 11 different VOCs (not including aromatic hydrocarbons or MTBE) were detected in six of the seven groundwater samples for which data were re-processed. We have determined that 8 of these 11 compounds are either constituents of gasoline or are degradation products of gasoline (BP Oil, 1993). Those compounds were detected at elevated concentrations only in those samples with elevated gasoline and aromatic hydrocarbons, and at concentrations approximately correlating with their constituent percentage of gasoline (BP Oil, 1993).

Detected VOCs that are not fuel-related include: trichloroethylene (TCE); cis-1,2-dichloroethylene (DCE); and acetone. Acetone was detected only in upgradient borehole BH-10 (and at a trace concentration), indicating that this contaminant is neither site-sourced nor a contaminant of concern.

The TCE and cis-1,2-DCE were detected only in boreholes downgradient of the area of site petroleum contamination (BH-11, BH-12, and BH-13). The predominant VOC detected was TCE, at up to 3,900 μg/L in BH-11. TCE concentrations showed a decrease from northeast (BH-11) to southwest (BH-12). The TCE degradation byproduct cis-1,2-DCE was detected at 1 order of magnitude less than TCE (maximum of 71 μg/L).

CONTAMINANT DISTRIBUTION AND INFERRED CONTAMINANT SOURCES

Soil Contamination Distribution and Estimated Residual Mass

The zone of maximum gasoline contamination in soil is at the former dispenser. Field screening and analytical data indicate that the top of gasoline contamination above ESL criteria is at a depth as shallow as 2.5 feet below ground surface (bgs) directly beneath the dispenser, and deepens to approximately 5 feet bgs at a distance of 8 feet from the former dispenser (in all directions). The bottom of the zone of gasoline contamination in soil is at approximately 10 feet bgs, coincident with both the bottom of the shallow water-bearing zone and the former UFST pit. In all boreholes with elevated gasoline soil contamination, trace to no contamination was detected in the low-permeability clay unit underlying the shallow water-bearing unit, which suggests that soil contamination is vertically constrained by the clay unit.

Elevated levels of petroleum contamination in soil were not detected in areas east or west of the former dispenser, including those drilled in the immediate vicinity of the former UST. The cross-sections in Figures 3 and 4 (in Section 3.0) show gasoline soil concentrations and isoconcentration contours.

Soils data suggest that residual soil contamination is limited to the area of the former dispenser. The highest gasoline concentrations in soil are found in boreholes BH-08 (at 5,300 mg/kg), BH-5, and BH-07 (both at 2,800 mg/kg), with the highest concentration between approximately 7 and 10 feet bgs. The shallowest soil contamination (approximately 2.5 feet deep) is present directly beneath the former dispenser, with the top of soil contamination decreasing in depth (to approximately 5 feet deep) in the boreholes approximately 8 feet from the dispenser in all directions. In the farther boreholes, little to no soil contamination was detected. In 1998, during the UFST remediation, an 8-foot-deep sample collected along the western wall of the excavation showed only a minor concentration of gasoline (7 mg/kg), with no soil contamination detected in the eastern sidewall. As shown on the geologic cross-sections (Figures 3 and 4), the soil contamination extends into the upper water-bearing zone (at approximately 10 feet deep), and is not present in the underlying clay layer.

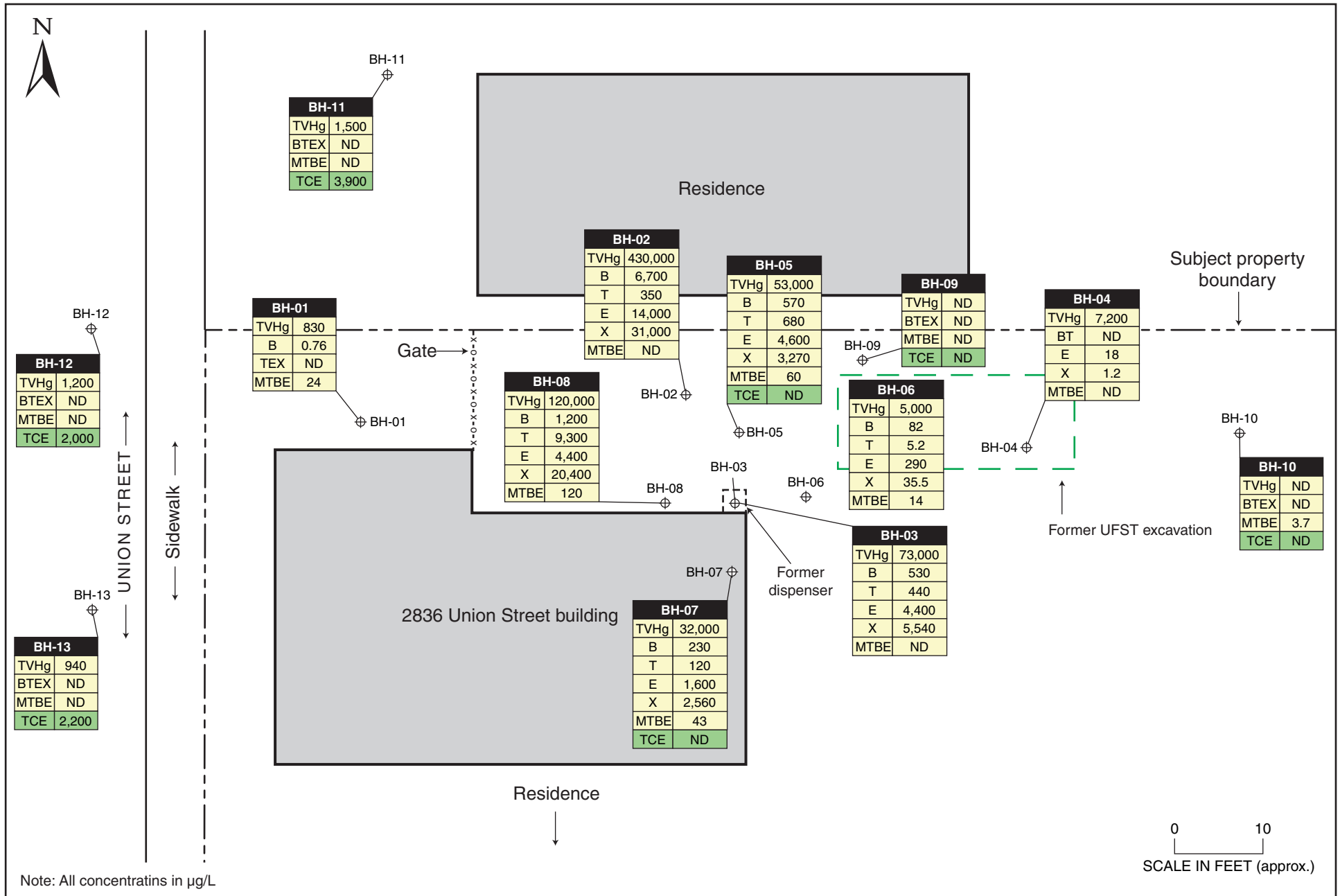
The distribution of residual soil contamination indicates that the primary remaining source of soil contamination is beneath the former dispenser area. There does not appear to be substantial residual soil contamination in the immediate vicinity of the former UFST (i.e., in the excavation sidewalls, base, or adjacent boreholes). There likely is some residual soil contamination in the capillary fringe zone away from the dispenser area due to sorption from dissolved-phase contamination in groundwater as it migrates downgradient.

As discussed in Section 6.0, the Responsible Party is proposing to implement an interim corrective action (excavate accessible contaminated soils) to minimize long-term impact to groundwater. We estimate that the volume of gasoline-contaminated soil above 100 mg/kg is approximately 100 cubic yards (based on an estimated 550-square foot area with depths between 2.5 and 5 feet (top of contaminated zone) and 10 feet (bottom of unsaturated zone). Approximately one-quarter of that area is covered by a building and would not be accessible for excavation.

Assuming an average concentration of 1,000 mg/kg in the soil to be removed, the mass of gasoline that could be removed by excavating accessible contaminated soil is estimated at approximately 200 pounds (not including the mass of associated aromatic hydrocarbons).

Groundwater Contamination Distribution and Estimated Residual Mass

Figure 5 shows tabulated groundwater analytical results, including detected VOCs in three of the offsite wells. Figures 6 and 7 show dissolved-phase isoconcentration contours for gasoline and benzene, respectively. .



Note: All concentratins in µg/L

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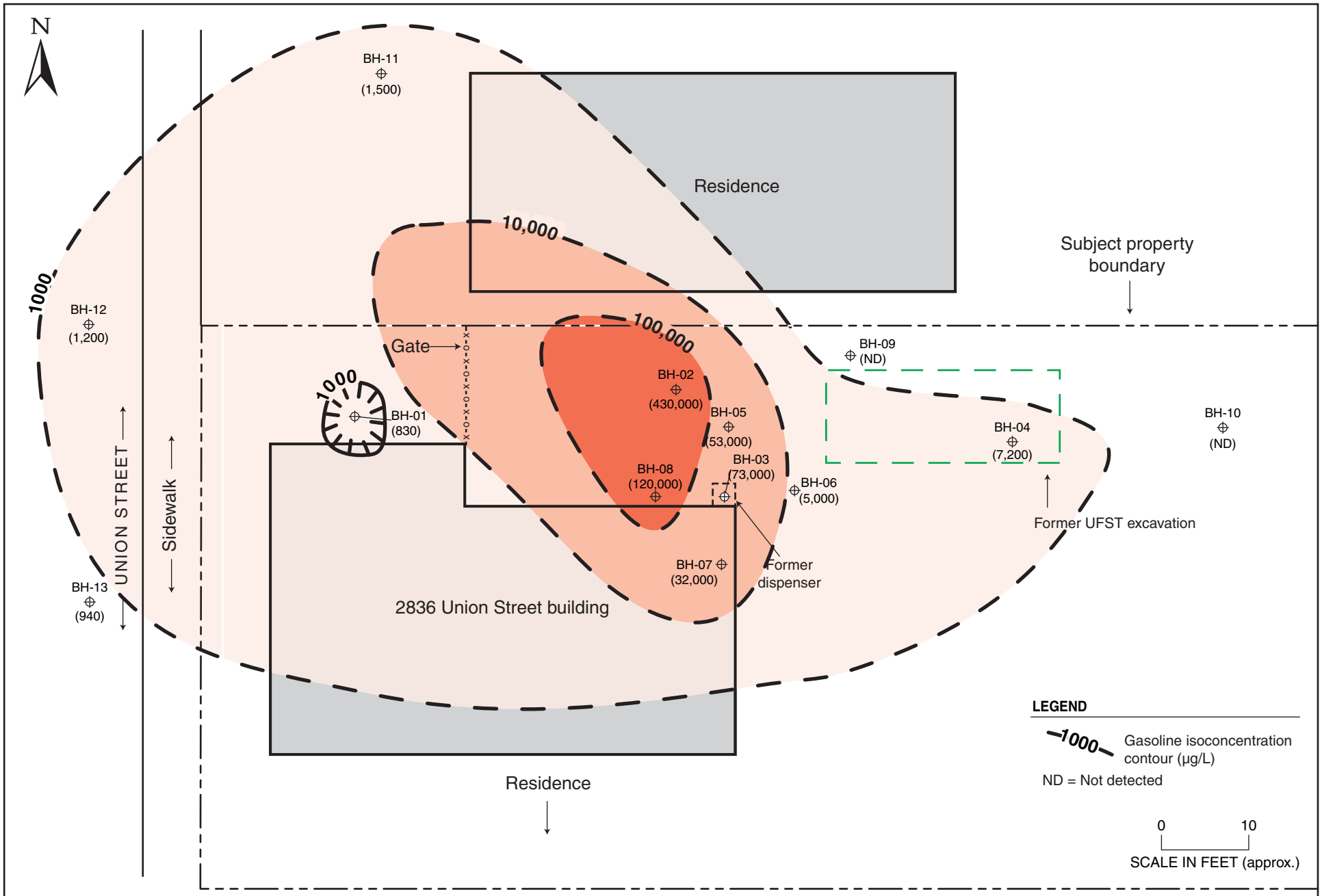
GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2005 AND APRIL 2006 INVESTIGATION
2836 Union Street, Oakland, California

Figure 5

by: MJC | APRIL 2006

2005-65-32



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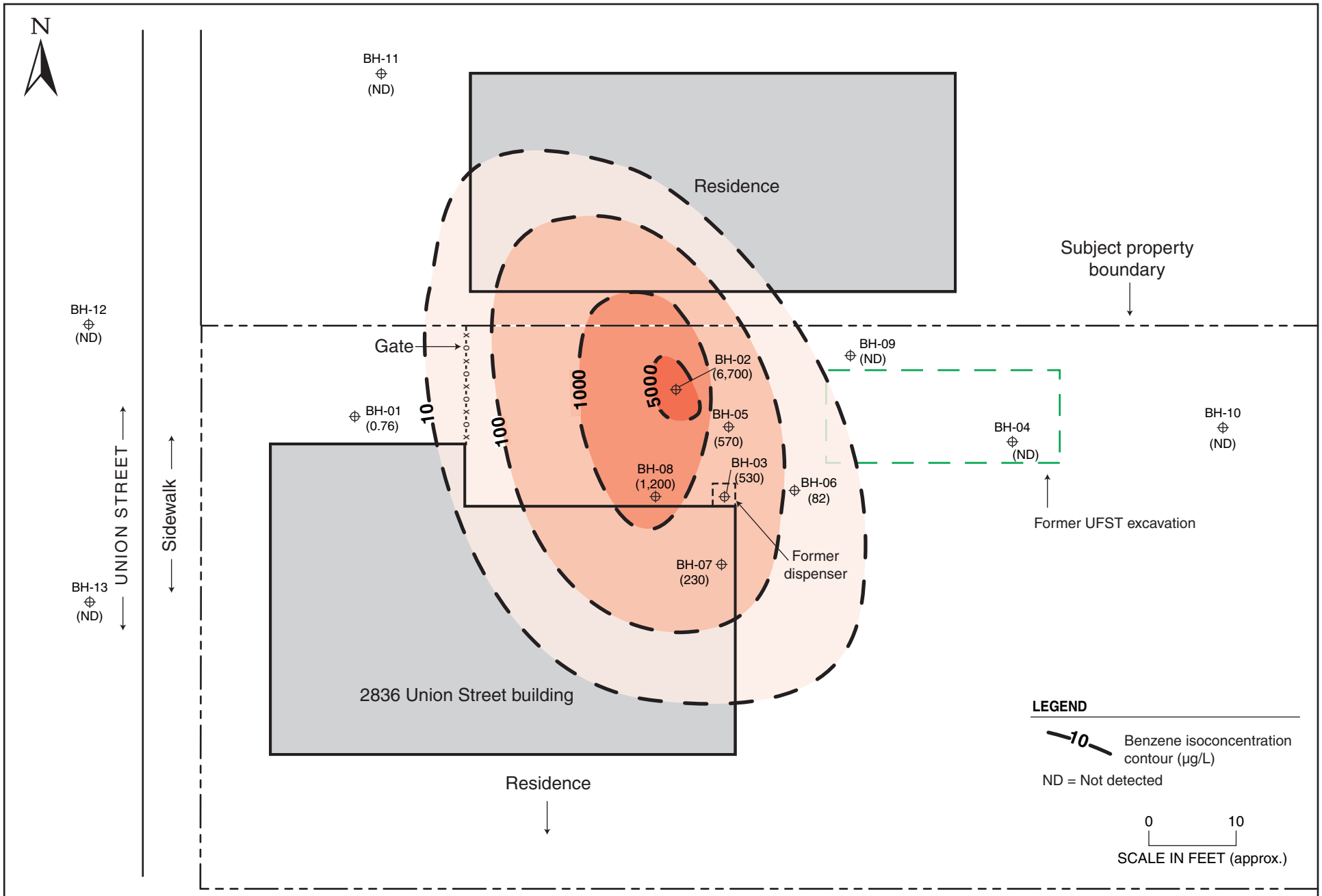
DISSOLVED GASOLINE PLUME CONTOURS
NOVEMBER 2005 AND APRIL 2006 BOREHOLES
2836 Union Street, Oakland, CA

Figure 6

by: MJC | **APRIL 2006**

2005-65-33



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DISSOLVED BENZENE PLUME CONTOURS
NOVEMBER 2005-APRIL 2006 BOREHOLES
2836 Union Street, Oakland, CA

Figure 7

by: MJC | APRIL 2006

2005-65-34

Figure 6 illustrates the distribution of the dissolved gasoline plume—with a projected footprint of an approximately 150-square-foot high-concentration zone (i.e., greater than 100,000 µg/L of total petroleum hydrocarbons as gasoline) surrounded by rapidly decreasing (10,000 µg/L and 1,000 µg/L) gasoline contours. While groundwater flow directional data are not available at this time, the concentration gradient suggests a west-northwest flow direction. Direct comparison of all the data points is complicated by the potential of an upper perched zone around the source area. Figure 6 should be viewed along with the cross-sections (Figures 3 and 4) to see the apparent lateral and vertical distribution of gasoline.

Figure 7 shows the benzene plume. Benzene is the gasoline component of most toxicological concern. The benzene concentration correlates well with the gasoline plume distribution.

Maximum groundwater contaminant levels were detected in the boreholes immediately adjacent to and downgradient of the former dispenser area (which is also immediately downgradient of the former UST). The data suggest that the former dispenser is a primary source of groundwater contamination, and that the former UST may also have released contamination directly into groundwater.

Gasoline concentrations above 1,000 µg/L are constrained onsite to the south and to the east, and extend offsite to the north and under Union Street to the west. The available data indicate that gasoline concentrations above 1,000 µg/L likely do not extend more than 20 feet offsite to the west.

Benzene was detected up to 6,700 µg/L (BH-08), at concentrations between approximately 500 µg/L and 1,200 µg/L in the area of maximum gasoline contaminant concentrations (near the former dispenser). Benzene was not detected above the 1-µg/L ESL criterion in any boreholes outside the area of maximum groundwater contamination (near the former dispenser), although it is likely that benzene does extend offsite to the north (north of BH-02).

It appears that MTBE above the ESL criterion does not extend offsite.

The distribution of groundwater contamination indicates an elliptical plume of dissolved contamination with its long axis oriented northwest-southeast. The plume (defined by gasoline above 1,000 µg/L) appears to be approximately 60 feet wide and approximately 100 feet long.

Maximum groundwater contamination was detected in a shallow (approximately 8 to 10 feet deep) water-bearing zone. Lower contaminant concentrations were detected in downgradient, offsite boreholes in a lower water-bearing zone (approximately 21 feet bgs). These data suggest

that downward contamination migration has occurred from the upper to the lower water-bearing zones.

The data indicate the presence of LNAPL, representing separate-phase gasoline, in a borehole adjacent to the former dispenser. The presence of LNAPL is suggested by gasoline groundwater concentrations near the solubility limit, and the observation of petroleum product on borehole sampling equipment. Floating petroleum product was also noted on the groundwater surface during the 1998 UFST removal (Golden Gate Tank Removal, 1998). This LNAPL will contribute to long-term groundwater impacts (unless abated) by dissolution into groundwater.

Two VOCs unrelated to petroleum contamination were detected in offsite, downgradient boreholes. These VOCs were not detected in either soil or groundwater samples collected from onsite boreholes, indicating that the VOC contamination is not site-sourced. The limited available data suggest that the VOC contaminant source is to the northeast of BH-11, as concentrations decrease from northeast to southwest. This indicates a southwesterly groundwater flow direction.

As discussed in Section 6.0, the Responsible Party is proposing to implement an interim corrective action (short-term groundwater pumping) to minimize long-term impact to groundwater.

We estimate that mass of gasoline that could be removed by the corrective action is in the range of 1.8 pounds (based on pumping 3,000 gallons of groundwater with an average gasoline concentration of 75 milligrams per liter).

Contaminant Migration Considerations

While groundwater flow direction has not been measured at the site, a generally westward flow direction is typical for this area of west Oakland, with possible local variations between southwest and northwest. The distribution of site groundwater contamination indicates a northwesterly local groundwater flow direction. The distribution of VOC contamination detected offsite (all boreholes encountering water at approximately 21 feet deep) suggests a southwesterly flow direction, although data are limited to verify this.

Residual soil (and potential LNAPL) contamination will continue to impact groundwater unless remediated. As groundwater levels rise in the rainy season, soil contamination will desorb into groundwater and become dissolved-phase contamination in the saturated zone. This contamination will then migrate, primarily by advective flow, in the downgradient direction. While natural attenuation may provide some limited contaminant mass removal on the plume fringes, natural attenuation will be suppressed in the majority of the plume by limited oxygen

availability due to elevated contaminant concentrations. It is also likely that the lower groundwater-bearing zone will continue to be impacted by overlying contamination.

PRELIMINARY SITE CONCEPTUAL MODEL

While a more definitive site conceptual model requires the collection of hydrology data from groundwater wells so that groundwater flow direction can be definitively established, the investigation stages completed to date at the site point to the following working model.

Leakage or spills of petroleum hydrocarbons from the onsite former 10,000-gallon gasoline UFST that was installed in the late 1970s occurred at the dispenser, dispenser lines, and/or UFST over a period of time until it was taken out of service in 1998. The leakage or spillage migrated down though the soil and impacted groundwater. An undisclosed volume of the source area of contamination was removed during the 1998 UFST removal. Based on the soil analytical data from this investigation, approximately 200 to 250 pounds of gasoline contamination is estimated to be entrained into the soil in a limited area mainly beneath the former UFST dispenser.

The soil contamination came into contact with shallow groundwater at approximately 8 to 10 feet bgs, in what may be a localized perched zone, and dissolved gasoline and gasoline constituents resulted. The gasoline appears to have migrated downgradient to the west-northwest; however, the bulk of the dissolved concentrations remain in a small area beneath the dispenser, possibly due to the lateral discontinuity of a sand/gravel lens that pinches out to the (presumed downgradient) west. A dissolved gasoline contaminant mass of approximately 5 to 10 pounds is estimated based on the gasoline contour maps.

The gasoline (and BTEX) plume follows a distribution pattern and appears to attenuate relatively rapidly in the presumed downgradient direction, with the gasoline decreasing by over 2 orders of magnitude across 50 feet (from 430,000 μg/L at BH-02 to 1,200 μg/L at BH-12). This suggests advective flow as the dominant transport mechanism.

6.0 CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

- One 10,000-gallon gasoline UFST was removed in 1998. Elevated levels of gasoline, BTEX, and MTBE were detected in an excavation grab-groundwater sample, although no elevated soil contamination was detected in two excavation confirmation soil samples. Elevated petroleum contamination was detected in 1998 shallow soil samples beneath the former dispenser.
- The lead regulatory agency for the site investigation is Alameda County Environmental Health, and the site has been included on both Alameda County Environmental Health's "Local Oversight Program" and on the State of California GeoTracker database of fuel leak sites.
- The Responsible Party has submitted an application for corrective action cost reimbursement to the California Petroleum UST Cleanup Fund, and is awaiting the Fund's eligibility determination.
- Four soil boreholes were drilled and sampled in the vicinity of the UFST in November 2005, and elevated levels of soil and groundwater contamination were found to be present. An additional nine boreholes were drilled and sampled in April 2006 to further characterize the extent and magnitude of contamination.
- Shallow soils encountered are typical alluvial deposits. The predominant lithology is a stiff, cohesive clay. There are localized lenses of sand and gravel in boreholes in the area of maximum contamination.
- Soil contamination from petroleum (gasoline) product is mainly present in the area of the former dispenser over an approximately 500-square foot area at depths of approximately 2.5 to 10 feet. This correlates to an estimated 100 cubic yards of soil with petroleum contamination above ESL criteria. Based on the soil analytical data from this investigation, approximately 200 to 250 pounds of gasoline contamination is estimated to be entrained in the soil in the main area of contamination, beneath the former UFST dispenser. Elevated levels of soil contamination were not detected in other areas of the site. The soil contamination present in unsaturated zone soils in the area of the dispenser

area will be a long-term source of groundwater contamination (via desorption from soils by shallow groundwater).

- Depth to first encountered groundwater during the borehole drilling suggests there may be a perched groundwater zone in the central portion of the site. In off-site boreholes, groundwater was encountered at depths of approximately 20 to 22 feet (in a gravelly clay), and rose quickly to approximately 3 to 4 feet, indicating confining or semi-confining conditions. No shallow (less than 20 foot) discrete lenses of sand/gravel were encountered in the offsite boreholes. In the central onsite boreholes within the area of maximum contamination, groundwater was encountered at depths between 8 and 10 feet, generally coincident with a sand or gravel unit. As with the offsite boreholes, groundwater quickly rose to approximately 3 to 4 feet. The shallower groundwater may be a perched zone, or it may be hydraulically connected to the deeper water-bearing zone via a strong vertical (upward) gradient. In the boreholes with groundwater at 8 to 10 feet, the water-bearing zone was underlain by a thick (at least 10 feet) stiff clay. The relationship between the two water-bearing zones is currently considered a data gap that should be completed in the subsequent proposed groundwater characterization program.
- The primary contaminants detected in site groundwater are gasoline, aromatic hydrocarbons, and MTBE, all of which exceed their Water Board ESL criteria. The center of mass of groundwater contamination appears to be the area immediately north of the former dispenser and immediately west of the former UFST. Groundwater contamination shows a strong lateral attenuation with distance, although groundwater contamination above ESL criteria extends offsite to the north and to the west. The distribution of groundwater contamination suggests an elliptical contaminant plume with its long axis oriented northwest to southeast, suggesting a northwesterly local groundwater flow direction.
- A localized area of LNAPL on groundwater is indicated to be present in the area of maximum groundwater contamination (former dispenser area), based on field observations and the groundwater concentrations near solubility limits.
- The dissolved gasoline contaminant mass is estimated at approximately 5 to 10 pounds based on the gasoline contour maps.
- Two VOCs unrelated to petroleum hydrocarbons were detected in offsite, downgradient boreholes. These VOCs were not detected in either soil or groundwater samples from onsite boreholes, indicating that the VOC contamination is not site-sourced.
- Groundwater contamination in both the upper and lower water-bearing zones suggests that downward migration of contamination has occurred from the upper to the lower zone.

- The site conceptual model is one of leakage and/or spillage from both the former UFST and former dispenser area, which migrated down though the soil and impacted groundwater. The distribution of the residual soil and groundwater contamination suggests that the former dispenser area is the primary residual source of the remaining site contamination. The excavation during the 1998 UST removal appears to have removed most or all of contaminated soils that may have been present in the area of the UFST itself.
- Interim soil remediation corrective action is warranted to remove a continuing source input to further groundwater degradation. SES estimates that approximately 200 pounds of gasoline could be removed by excavating accessible portion of the soil contamination. Removal of this residual soil contamination will reduce the severity and duration of groundwater contamination.
- Interim groundwater corrective action is warranted based on the high groundwater concentrations and the potential presence of LNAPL. The most cost-effective method would be short-term groundwater pumping from the upper (most-contaminated) water-bearing zone. The feasibility of successful groundwater corrective action appears to be high, given that the majority of groundwater contaminant mass appears laterally and vertically constrained.

OPINION AND PROPOSED ACTIONS

- Additional groundwater characterization should be implemented by the installation and periodic monitoring of four groundwater monitoring wells. Because site data suggest the presence of a possibly perched contaminated groundwater-bearing zone, we recommend that two of the well locations (one within the area where perched groundwater is indicated and one outside of it) contain "nested" wells, each with a discrete narrow (2-foot) well screen interval in each water-bearing zone.
- The drilling should include geologic logging (notably in the dispenser area at deeper depths than previously characterized) to close existing data gaps. Groundwater analytical and water level elevation data can then be used to evaluate: 1) extent and magnitude of groundwater contamination; and 2) the hydrogeologic relationship between the two water-bearing zones. We are submitting with this report a technical workplan discussing the proposed groundwater characterization program (SES, 2006a).
- In our professional opinion, interim soils corrective action is warranted to reduce long-term groundwater impacts. While up to 25 percent of the contaminated soil area may be overlain by the subject property building, we have determined that it would be both cost-effective and feasible to remove the remaining (accessible) contaminated soils by

excavation, as an interim corrective action. We are submitting with this report a technical workplan discussing the proposed interim soil corrective action (SES, 2006a).

- In our professional opinion, interim groundwater corrective action is warranted, via short-term groundwater pumping from the soils corrective action excavation and/or from an extraction well installed in that excavation. The objective of this action is to reduce contaminant mass in groundwater by removing the most highly-contaminated groundwater (including LNAPL if it is present). We are submitting with this report a technical workplan discussing the proposed interim groundwater corrective action (SES, 2006a).
- Based on the results of confirmation soil sampling (from the excavation), additional soils corrective action (likely soil vapor extraction or bioventing) may be appropriate to further reduce contaminant mass in soil. The need for additional soils corrective action will be evaluated following completion of the interim corrective actions.
- The Responsible Party will continue to interface with the California UST Cleanup Fund (Fund) as to the status of the Responsible Party's application for reimbursement for corrective action costs. When the application is approved by the Fund, the initial Reimbursement Request will be submitted to the Fund.
- As a cost-savings measure, we recommend that the non-hazardous waste soil (drill cuttings) be held onsite, and combined with well installation cuttings to be disposed of at an appropriately-permitted landfill.

7.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Wadler, the regulatory agencies, and their authorized representatives and/or assigns. No reliance on this report shall be made by anyone other than those for whom it was prepared.

The findings and conclusions presented in this report are based solely on the findings of the investigations discussed herein. This report provides neither a certification nor guarantee that the property is free of hazardous substance contamination. This report has been prepared in accordance with generally accepted methodologies and standards of practice. The SES personnel who performed this investigation are qualified to perform such investigations and have accurately reported the information available, but cannot attest to the validity of that information. No warranty, expressed or implied, is made as to the findings, conclusions, and recommendations included in the report.

The findings of this report are valid as of the present. Site conditions may change with the passage of time, natural processes, or human intervention, which can invalidate the findings and conclusions presented in this report. As such, this report should be considered a reflection of the current site conditions as based on the investigation and remediation completed.

8.0 REFERENCES

Alameda County Environmental Health, 2006. Letter approving technical workplan for corrective action investigation at 2836 Union Street, Oakland, California. March 20.

BP Oil – Environmental Technology Branch, 1993. TPH in Soil Primer (Analysis of Total Petroleum Hydrocarbons in Soil). September 1.

Golden Gate Tank Removal, 1998. Tank Closure Report – 2836 Union Street, Oakland, California. July 31.

Stellar Environmental Solutions, Inc. (SES), 2006a. Workplan for Groundwater Characterization and Interim Corrective Actions – 2836 Union Street, Oakland, California. May 3, 2006.

SES, 2005a. Workplan for Initial Site Characterization – 2836 Union Street, Oakland, California. October 25.

SES, 2005b. Technical Documentation Report for Initial Site Characterization – 2836 Union Street, Oakland, California. December 14.

SES, 2005c. Workplan for Corrective Action Investigation – 2836 Union Street, Oakland, California. December 22.

APPENDIX A

Drilling-Related Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/28/2006 By jamesy **Receipt Number: WR2006-0139**
Permits Issued: W2006-0226 **Permits Valid from 04/03/2006 to 04/04/2006**

Application Id: 1143499153306 **City of Project Site:** Oakland
Site Location: 2836 Union St, Oakland, CA 94608
Project Start Date: 04/03/2006 **Completion Date:** 04/04/2006

Applicant: Stellar Environmental Solutions - Bruce Rucker **Phone:** 510-664-3123
2198 6th St., Berkeley, CA 94710
Property Owner: Mrs. Letty Wadler **Phone:** 510-444-6248
2525 Mandela Parkway, Oakland, CA 94607
Client: ** same as Property Owner **

Total Due: $200.00
Total Amount Paid: $200.00
Payer Name : Stellar Environmental Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes
Driller: En Prob - Lic #: 777007 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0226	03/28/2006	07/02/2006	8	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

5. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

6. Spot Check Only
Inspector does not have to be present for grout Inspection.

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 6 0 0 3 2 6 *	2830 Union Street

APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER
Apr 13, 2006	Apr 14, 2006	(Permit not valid without 24-Hour number) 510/644-3123

CONTRACTOR'S LICENSE # AND CLASS	CITY BUSINESS TAX #
777007 Drilling C57	3222462

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is *1-800-642-2444*. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee _____ ☐ Agent for ☐ Contractor ☐ Owner — Date March 27, 2006

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 2836 UNION ST Parcel# 005 -0458-029-00 Appl# X0600326

Descr soil boring on Union St Permit Issued 03/27/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	WADLER LAWRENCE M TRUST				
Contractor	ENPROB ENVIRONMENTAL PROBING	X	(530)589-2019	777007	C57
Arch/Engr					
Agent	STELLAR ENVIRO/J DINAN		(510)644-3123		
pplic Addr	P O BOX 6093, OROVILLE, CA, 95966				

$411.96 TOTAL FEES PAID AT ISSUANCE

$59.00	Applic	$300.00	Permit
$.00	Process	$34.11	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.85	Tech Enh

ADDRESS:

JOB SITE

DIST:

APPENDIX B

Photodocumentation

Subject: EnProb operator drilling borehole BH-13 located in Union Street.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 01

Subject: Stellar Environmental Solutions field technician measuring groundwater level in temporary piezometer.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 02

Subject: EnProb operator drilling borehole BH-11 located in front yard of adjacent residence.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 03

Subject: EnProb operator grouting borehole BH-11 located in front of adjacent residence.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 04

Subject: EnProb operator collecting groundwater sample from BH-10.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 05

Subject: EnProb operator drilling borehole BH-07 located inside 2836 Union Street building.	
Site: 2836 Union Street, Oakland, California	
Date Taken: April 3, 2006	Project No.: SES2005-65
Photographer: Joe Dinan	Photo No.: 06

APPENDIX C

Borehole Geologic Logs

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-01 Page 1 of 3

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Dark brown silty clay (CL), cohesive, sl.-mod stiff, sl. moist	
1					Organics from 0'-3' and minor fine gravel	
2						
3						
4					4' No silt, light brown, mod. stiff, v. cohesive	
5					5' Becomes sandy	
6						
7						
8	BH-01-8'				7.7' Blue-grey discoloration, petroleum odor, minor small gravel	
9					8-8.5' Very moist but not saturated and no water in borehole	
10					9' Sand and silt absent, no petroleum odor. Brown with blue-grey mottling, mod. stiff, v. cohesive, sl. moist, sticky	

2005-65-03

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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-01 Page 2 of 3

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
10					10' Becomes silty	
11						
12					12'-12.3' Sandy and wet, no water in borehole, blue-grey silty clay (CL), sticky, med. stiff, cohesive	
13					13' Brown w/blue-grey mottling	
14					14.5' Becomes sl. sandy, black organic staining	
15					15' Becomes soft-sl. stiff, minor silt, v. cohesive, sticky, light brown	
16						
17	BH-01-17'				17' Becomes sl.- mod. stiff	Borehole swelling shut at 17.5'
18					18.5' Minor small gravel and fine sand, sl. friable	
19						
20						

2005-65-04

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Soil Boring Log

BORING NUMBER BH-01 Page 3 of 3

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20					20' Sandy clay (CL), sand is fine-med. grained, ~40%, no cohesion, no gravel, loose and wet	Temporary casing inserted to 20' (screened from 15'-20')
21					20.5' Brown sandy clay (CL), cohesive, sl. moist	Collect BH-01-GW
22					Bottom of borehole = 22'	Water level after 2.5 hours = 7.3'

2005-65-05

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Soil Boring Log

BORING NUMBER BH-02 Page 1 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 14 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~9'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Dark brown silty clay (CL), med. stiff, cohesive, sl. moist	
1						
2					2.5' Dark brown-black, organics	
3					3.5' Dark grey-black, rootlets	
4					4' Dark grey silty clay (CL), silt is minor, mod. stiff, v. cohesive, sl. moist	
5					5.5' Slight petroleum odor	
6					6.5' Petroleum odor stronger, becomes more silty, very fine grained sand just visible	
7					7'-7.5' Gravelly (small)	
8					7.5' Blue-grey sandy clay (CL), minor small gravel, friable, sl. moist, cohesive, strong petroleum odor	
9	BH-02-8.5'				8'-8.5' Very moist, sl. stiff, mod. friable	
10					8.5' Sl. moist, mod. stiff	
					Blue-grey clayey sand (SC), med.-grained, loose, wet, strong petroleum odor	
					Blue-grey silty clay (CL), mod. stiff, cohesive, sl. moist, no petroleum odor	

2005-65-06

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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-02 Page 2 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 14 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~9'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
10					10.5' Becomes very stiff	Water level at 11.5' after drilling to 12'.
11						Insert PVC casing.
12					12' Brown silty clay (CL), stiff, silt is minor, very cohesive, sl. moist, no petroleum odor	Collect BH-02-GW
13	BH-02-13.5'					Water level after 2 hours = 7.4'
14					Bottom of borehole = 14'	
15						
16						
17						
18						
19						
20						

2005-65-07

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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-03 Page 1 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 15 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~10'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Black silty clay (CL), silt is minor, sl.-mod. stiff, cohesive, sl. moist	
1						
2					2' Petroleum odor begins	
	BH-03-2.5'					
3					3' Becomes silty	
4					4' Petroleum odor absent, stiff	
					4.5' Sl.-mod. stiff, sticky	
5						
6					6.5' Becomes stiff	
7	BH-03-7'				7.5' Becomes blue-grey sandy clay (CL), minor sm. gravel, v. moist, stiff, friable	
8					Clayey gravelly sand (SC), gravel is medium, ~20%, sand is medium, v. moist, stiff	
9						
10						

2005-65-08

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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-03 Page 2 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 15 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~10'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
10–12					10.5' Wet, black, clayey, gravelly, sand (SC), gravel ~30% and small-med, loose (no cohesion)	Several inches of water in borehole after advancing to 12'. Insert casing Collect BH-03-GW Water level after 1 hour = 7.4'
13–14	BH-03-14.5'				Light brown silty clay (CL), stiff, cohesive, sl. moist	
15					Bottom of borehole = 15'	
16–20						

2005-65-09

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-04 Page 1 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 15 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~9'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Brown well-sorted (medium) sand (backfill), dry, no cohesion	
1						
2						
3						
4						
5						
6						
7						
8						
9					9' Sample wet	
10					Well-sorted (medium) gravel, (drain rock backfill)	

2005-65-10

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-04 Page 2 of 2

PROJECT Wadler Property
OWNER Mr. Larry Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 15 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17' amsl
WATER FIRST ENCOUNTERED ~9'
DRILLING COMPANY En Prob
DRILLING METHOD Direct Push
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/22/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
10	BH-04-10.5'					Insert PVC casing after advancing to 15'
11					Black sand (SP), well-sorted (medium grained), loose, wet, slight petroleum odor	Collect BH-04-GW
12						Water level after 15 minutes = 7.3'
13						
14	BH-04-14.5'				Blue-grey gravelly sandy clay (CL), mod. stiff, sl. cohesive, dry	
15					Bottom of borehole = 15'	
16						
17						
18						
19						
20						

2005-65-11

STELLAR
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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-05 Page 1 of 1

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 12 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED 8'-12'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2		<0.1		
4		<0.1		Continuous core sampling — 100% core recovery unless specified otherwise
	BH-05-5'	58		
6		73		
			7' Color change to blue-grey	
	BH-05-7.5'		7.5' Becomes sl.-mod. stiff	Petroleum odor from 5'-10'
8		423		
			9.5' Gravelly, sandy clay (CL), gravel is minor & small	
10	BH-05-10'	420		Groundwater enters borehole after sampler advanced from 8'-12'
	BH-05-11.5'		11.5' Gravel increases to ~40% and increases to med.	
12		18		Water level = 3' within 5 minutes
			Bottom of borehole = 12'	
14				Collect BH-05-GW (1400)
16				
18				
20				

2005-65-16

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Soil Boring Log

BORING NUMBER BH-06 Page 1 of 1

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 16 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2		<0.1		
4		1.5		Continuous core sampling — 100% core recovery unless specified otherwise
	BH-06-5'	12	5.5' Color change to dark grey	
6		29	6.5' Becomes sandy (very fine grained) clay (CL), mod. cohesive, sl. friable	
	BH-06-7.5'			Petroleum odor from 5'-8'
8		113	8.5' Becomes gravelly clay (CL), gravel is small, ~40%, wet	
	BH-06-10'	11	10.5' Dark grey silty clay (CL), mod.-very stiff, cohesive, sl. moist	Groundwater enters borehole after sampler advanced from 8'-12'
12		0.6		Water level = ~3' within 5 minutes
14			Grey clayey sand (SC), loose, wet	Collect BH-06-GW (1310)
			Red-brown silty clay (CL), mod.-sl. stiff, cohesive, sl. moist	
16			Bottom of borehole = 16'	
18				
20				

2005-65-17

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Soil Boring Log

BORING NUMBER BH-07 Page 1 of 1

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 12 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2				
4	BH-07-5'	14		Continuous core sampling — 100% core recovery unless specified otherwise
6		341	5.5' Color change to dark grey	
8	BH-07-7.5'	378	7' Becomes sandy (very fine grained) clay (CL), mod. cohesive, sl. moist, minor small gravel	Petroleum odor from 6'-10'
10	BH-07-10'	228	Black clayey gravel (GC),gravel is well-sorted (small), wet	
12	BH-07-11.5'	3	Light grey silty clay (CL), mod. stiff, cohesive, sl. moist	Groundwater enters borehole after sampler advanced from 8'-12'
14			Bottom of borehole = 12'	Water level = ~3.5' within 5 minutes
16				Collect BH-07-GW (1440)
18				
20				

2005-65-18

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Soil Boring Log

BORING NUMBER BH-08 Page 1 of 1

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 12 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~9.5'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2		<0.1		
4	BH-08-5'	15		Continuous core sampling — 100% core recovery unless specified otherwise
			5' Color change to grey	
6		341	5.5' Gradational color change to blue-grey	
			7.5' Becomes sandy (very fine grained) clay (CL)	
	BH-08-7.5'			Petroleum odor from 5'-11'
8		378		
10	BH-08-10'	238	Black clayey sand (SC), fine-grained, loose, wet	Groundwater enters borehole after sampler advanced from 8'-12'
	BH-08-11.5'	3	Grey silty clay (CL), mod. stiff, cohesive, sl. moist	
12			Bottom of borehole = 12'	Water level = ~3' within 5 minutes
				Petroleum product (weathered) observed on bailer and in sample
14				Collect BH-08-GW (1530)
16				
18				
20				

2005-65-19

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Soil Boring Log

BORING NUMBER BH-09 Page 1 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 24 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~20'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2				
4		<0.2		Continuous core sampling — 100% core recovery unless specified otherwise
6		<0.1	6' Color change to light grey	
			6'.5 Color change to blue-grey, minor small gravel, v. stiff	
8		<0.1		
			~9' Sandy (very fine grained), clay (CL), mod. stiff, cohesive, sl. moist	
10		<0.1		Groundwater enters borehole after sampler advanced from 20'-24'
	BH-09-11.5'		~11' Minor small gravel	
12		12	~12.5' Color change to light brown with blue-grey mottling, no gravel, very stiff, sl. moist	Water level = ~17' within 5 minutes, and = 9.4' after 40 minutes
14		<0.1	14' Blue-grey mottling absent, silt minor	Collect BH-09-GW (1215)
			15.5' Mod. stiff, sl. sticky	
16		<0.1		Borehole swells shut at 17.5' after advancing to 19'
18		<0.1		
	BH-09-19.5'		19.5' Sl. stiff to soft, sticky	
20		<0.1		

2005-65-21

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Soil Boring Log

BORING NUMBER BH-09 Page 2 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 24 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~20'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20				
22		<0.1	22.5' Very stiff 23.5' Color change to red-brown	
24			Bottom of borehole = 24'	
26				
28				
30				
32				
34				
36				
38				
40				

2005-65-20

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GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-10 Page 1 of 1

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 12 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~8'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2				Continuous core sampling — 100% core recovery unless specified otherwise
4		<0.1		
			5' Color change to grey, v. stiff	
6		0.4		
	BH-10-7.5'			
8		<0.1	Dark brown-black clayey, gravelly sand (SC), gravel is small to med., ~20%, sand is fine-grained, cohesive, wet	
		5.9	Grey silty clay (CL) as at 5'	Groundwater enters borehole after sampler advanced to 12'
10				
12		<0.1	Bottom of borehole = 12'	Water level = 3'-4' within 5 minutes
				Collect BH-10-GW (1045)
14				
16				
18				
20				

2005-65-22

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Soil Boring Log

BORING NUMBER BH-11 Page 1 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 23 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~22'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black silty clay (CL), mod. stiff, cohesive, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2		<0.1		
4		<0.1		Continuous core sampling — 100% core recovery unless specified otherwise
			5' Color change to light grey, silt content decreases	
6		<0.1		
			7' Color change to light brown	
8		<0.1		
10		<0.1		Groundwater enters borehole after sampler advanced from 20'-23'
12		<0.1		Water level = 3.5' within 5 minutes
			13' Color change to buff-tan, sl. stiff, cohesive, sl. moist	
14		<0.1		Collect BH-11-GW (1000)
			15' Color change to red-brown, soft-sl. stiff	
16		<0.1		Borehole swells shut at 14' afteradvancing to 16'
18		<0.1		
			19' sl. stiff	
20		<0.1		

2005-65-23

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Soil Boring Log

BORING NUMBER BH-11 Page 2 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 23 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~22'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20				
22	BH-11-22'	<0.1 <0.1	22' Minor small gravel 22.5 ' Gravel increases to 40%, sm. to med. friable, dry	
24			Bottom of borehole = 23'	
26				
28				
30				
32				
34				
36				
38				
40				

2005-65-24

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Soil Boring Log

BORING NUMBER BH-12 Page 1 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~21'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Black-dark grey, silty clay (CL), v. cohesive, sl. moist, stiff	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2				Continuous core sampling — 100% core recovery unless specified otherwise
4		<0.1	4' Becomes mod. stiff	
6		<0.1		
			7' Becomes sl, stiff, silt content decreases	
8		<0.1		
10		<0.1	10' Becomes stiff	Groundwater enters borehole after sampler advanced from 19'-22'
12		<0.1		Water level = 2.9' within 5 minutes
			13' Color change to grey-light brown,minor small gravel, stiff, cohesive, sl. moist	Collect BH-12-GW (835)
14			14' Gravel absent, sl. stiff	
16		<0.1		
18		<0.1		
20			20' Stiff	

2005-65-25

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Soil Boring Log

BORING NUMBER BH-12 Page 2 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~21'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20	BH-12-20.5'	<0.1	22' Becomes gravelly silty clay (CL), gravel is sm.-med., ~30%, sl. stiff, cohesive. Gravel content increases to ~50% at 22', sl. moist-dry	
22		1.6	Bottom of borehole = 22'	
24				
26				
28				
30				
32				
34				
36				
38				
40				

2005-65-26

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Soil Boring Log

BORING NUMBER BH-13 Page 1 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~21'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0			Dark grey to black silty clay (CL), cohesive, mod. stiff, sl. moist	"Instrument" is a photoionization detector (PID). "Readings" are in parts per million per volume air (ppmv)
2		<0.1	Slight changes to color, silt content and stiffnes to 18.5'	Continuous core sampling — 100% core recovery unless specified otherwise
4		<0.1		
6		<0.1		
8		<0.1		
10		<0.1		Groundwater enters borehole after sampler advanced from 19'-22'
12		<0.1		Collect BH-13-GW (855)
14		<0.1		
16		<0.1		
18		<0.1	18.5' Minor small gravel, v. stiff	
20		<0.1	19' Sl. stiff, no gravel	

2005-65-27

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Soil Boring Log

BORING NUMBER BH-13 Page 2 of 2

PROJECT Former Modern Mail facility
OWNER Mr. Lawrence Wadler
LOCATION 2836 Union St., Oakland, CA
PROJECT NUMBER 2005-65
TOTAL DEPTH 22 feet bgs
BOREHOLE DIA. 2 inch
SURFACE ELEV. ~17 ft. amsl
WATER FIRST ENCOUNTERED ~21'
DRILLING COMPANY Enprob
DRILLING METHOD GeoProbe
DRILLER Jeff Edmond
GEOLOGIST Bruce Rucker
DATE DRILLED 4/03/2006

DEPTH (feet)	GRAPHIC LOG	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20	BH-13-20.5'	<0.1	20.5' Becomes gravelly, gravel is small and ~30%. Gravel content and size increases with depth, becomes stiff, friable and dry	
22			Bottom of borehole = 22'	
24				
26				
28				
30				
32				
34				
36				
38				
40				

2005-65-28

APPENDIX D

Certified Analytical Laboratory Report and Chain-of-Custody Record

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Stellar Environmental Solutions
2198 6th Street
Suite 201
Berkeley, CA 94710

Date: 21-APR-06
Lab Job Number: 185958
Project ID: 2005-65
Location: Wadler Property

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	185958
Client:	Stellar Environmental Solutions
Project:	2005-65
Location:	Wadler Property
Request Date:	04/03/06
Samples Received:	04/03/06

This hardcopy data package contains sample and QC results for twenty one soil samples and nine water samples, requested for the above referenced project on 04/03/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
Response exceeding the instrument's linear range was observed for trichloroethene in BH-11-GW (lab # 185958-028), BH-12-GW (lab # 185958-029), and BH-13-GW (lab # 185958-030); affected data was qualified with "b". 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were detected above the RL in the method blank for batch 112083; these analytes were not detected in the sample at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
Low response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 04/06/06 07:04; this analyte met minimum response criteria, and affected data was qualified with "b". High RPD was observed for methyl tert-amyl ether (TAME) in the MS/MSD of BH-13-20.5' (lab # 185958-001); this analyte was not detected at or above the RL in the associated samples. No other analytical problems were encountered.

Chain of Custody Record

Lab job no. 100700
Date
Page 1 of 3

Laboratory Curtis and Tompkins, Ltd.
Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Method of Shipment Hand Delivery
Shipment No. ----------
Airbill No. ----------
Cooler No. ----------

Project Owner Wadler
Site Address 2836 Union Street
Oakland, California

Project Manager Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859

Project Name Wadler Oakland
Project Number 2005-65
Samplers: *(Signature)* B.m. Rucker

Analysis Required: TVH-gas-8015 (TVH); Gas Ox + Benzene (BTEX); Pb Scavengers-8260

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation Cooler	Preservation Chemical	Filtered	No. of Containers	TVH-gas-8015	Gas Ox + Benzene	Pb Scavengers-8260	Remarks
-1	BH-13-20.5'	20.5'	4/3/06	845	Soil	acetate sleeve	yes	None	No	1	X	X	X	
-2	BH-12-20.5'	20.5'	4/3/06	800	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-3	BH-11-22'	22'	4/3/06	945	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-4	BH-10-7.5'	7.5'	4/3/06	1040	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-5	BH-09-11.5'	11.5'	4/3/06	1140	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-6	BH-09-19.5'	19.5'	4/3/06	1205	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-7	BH-06-5'	5'	4/3/06	1300	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-8	BH-06-7.5'	7.5'	4/3/06	1305	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-9	BH-06-10'	10'	4/3/06	1310	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-10	BH-05-5'	5'	4/3/06	1350	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-11	BH-05-7.5'	7.5'	4/3/06	1355	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-12	BH-05-10'	10'	4/3/06	1400	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature B.m. Rucker	4-3-06	Signature Tracy Bab	4/3/06	Signature		Signature	
Printed Bruce Rucker ~~Joe Dinan~~	Time 1630	Printed Tracy Babju	Time 1631	Printed	Time	Printed	Time
Company Stellar Environmental		Company C&T		Company		Company	

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

Turnaround Time: 5 Day TAT

Comments: Cold & Intact

2000-00-01

Chain of Custody Record

Lab job no. 10210
Date
Page 1 of 3

Laboratory: Curtis and Tompkins, Ltd.
Address: 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Method of Shipment: Hand Delivery
Shipment No.
Airbill No.
Cooler No.

Project Owner: Wadler
Site Address: 2836 Union Street
Oakland, California

Project Manager: Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859

Project Name: Wadler Oakland
Project Number: 2005-65

Samplers: (Signature) B.M. Rucker

Analysis Required: TVH-gas-8015 (TPH), GasOx + Benzene (BTEX), Pb Scavengers-8260

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH-gas-8015	GasOx + Benzene	Pb Scavengers-8260	Remarks
-13	BH-05-11.5'	11.5'	4/3/06	1405	Soil	acetate sleeve	yes	None	No	1	X	X	X	
-14	BH-07-5'	5'	4/3/06	1415	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-15	BH-07-7.5'	7.5'	4/3/06	1420	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-16	BH-07-10'	10'	4/3/06	1425	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-17	BH-07-11.5'	11.5'	4/3/06	1430	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-18	BH-08-5'	5'	4/3/06	1455	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-19	BH-08-7.5'	7.5'	4/3/06	1500	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-20	BH-08-10'	10'	4/3/06	1505	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
-21	BH-08-11.5'	11.5'	4/3/06	1510	Soil	acetate sleeve	yes	None	No	1	↓	↓	↓	
			4/3/06		Soil	acetate sleeve	yes	None	No	1				
			4/3/06		Soil	acetate sleeve	yes	None	No	1				
			4/3/06		Soil	acetate sleeve	yes	None	No	1				

Relinquished by	Date / Time	Received by	Date / Time
Signature: B.M. Rucker Printed: ~~Joe Dinan~~ Bruce Rucker Company: Stellar Environmental	Date: 4-3-06 Time: 1630	Signature: Tracy Babjar Printed: Tracy Babjar Company: CEH	Date: 4-3 Time: 1632
Signature: Printed: Company:	Date: Time:	Signature: Printed: Company:	Date: Time:
Signature: Printed: Company:	Date: Time:	Signature: Printed: Company:	Date: Time:

Turnaround Time: 5 Day TAT

Comments: Cold ~~&~~ Wet

2000-00-01

Chain of Custody Record

Lab job no. 185758

Date

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Laboratory Curtis and Tompkins, Ltd.
Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Project Owner Wadler
Site Address 2836 Union Street
Oakland, California

Project Name Wadler Oakland
Project Number 2005-65

Method of Shipment Hand Delivery
Shipment No.
Airbill No.
Cooler No.
Project Manager Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Samplers: *(Signature)* B.M. Rucker

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH gas - 8015	Gas ox + Benzene + BTEX	Pb Scavenger - 8260	Remarks
-22	BH-05-GW	✓	4/3/06	1400	Water	40 ml VOA Vial	yes	HCl	No	6	X	X	X	
-23	BH-06-GW	✓	4/3/06	1310	Water	40 ml VOA Vial	yes	HCl	No	6				
-24	BH-07-GW	✓	4/3/06	1440	Water	40 ml VOA Vial	yes	HCl	No	6				
-25	BH-08-GW	✓	4/3/06	1530	Water	40 ml VOA Vial	yes	HCl	No	6				
-26	BH-09-GW	✓	4/3/06	1215	Water	40 ml VOA Vial	yes	HCl	No	6				
-27	BH-10-GW	✓	4/3/06	1045	Water	40 ml VOA Vial	yes	HCl	No	6				
-28	BH-11-GW	✓	4/3/06	1000	Water	40 ml VOA Vial	yes	HCl	No	6				
-29	BH-12-GW	✓	4/3/06	835	Water	40 ml VOA Vial	yes	HCl	No	6				
-30	BH-13-GW	✓	4/3/06	855	Water	40 ml VOA Vial	yes	HCl	No	6				
			4/3/06		Soil	acetate sleeve	yes	~~None~~	No	1				
			4/3/06		Soil	acetate sleeve	yes	None	No	1				
			4/3/06		Soil	acetate sleeve	yes	None	No	1				

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature B.M. Rucker	4-3-06	Signature	4/5/06	Signature		Signature	
Printed ~~Joe Dinan~~ Bruce Rucker	Time 1630	Printed Tracy Boyer	Time 1630	Printed	Time	Printed	Time
Company Stellar Environmental		Company CET		Company		Company	

Turnaround Time: 5 Day TAT

Comments:

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

2000-00-01

★ Stellar Environmental Solutions

2198 Sixth Street #201, Berkeley, CA 94710

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/03/06
Units:	ug/L	Received:	04/03/06
Batch#:	111987	Analyzed:	04/04/06

Field ID: BH-05-GW
Type: SAMPLE
Lab ID: 185958-022
Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	53,000	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	69-137
Bromofluorobenzene (FID)	112	80-133

Field ID: BH-06-GW
Type: SAMPLE
Lab ID: 185958-023
Diln Fac: 5.000

Analyte	Result	RL
Gasoline C7-C12	5,000	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	69-137
Bromofluorobenzene (FID)	112	80-133

Field ID: BH-07-GW
Type: SAMPLE
Lab ID: 185958-024
Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	32,000	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	69-137
Bromofluorobenzene (FID)	107	80-133

Field ID: BH-08-GW
Type: SAMPLE
Lab ID: 185958-025
Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	120,000	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	109	80-133

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/03/06
Units:	ug/L	Received:	04/03/06
Batch#:	111987	Analyzed:	04/04/06

Field ID: BH-09-GW
Type: SAMPLE
Lab ID: 185958-026
Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	113	80-133

Field ID: BH-10-GW
Type: SAMPLE
Lab ID: 185958-027
Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	69-137
Bromofluorobenzene (FID)	106	80-133

Field ID: BH-11-GW
Type: SAMPLE
Lab ID: 185958-028
Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	1,500 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	69-137
Bromofluorobenzene (FID)	112	80-133

Field ID: BH-12-GW
Type: SAMPLE
Lab ID: 185958-029
Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	1,200 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	114	80-133

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/03/06
Units:	ug/L	Received:	04/03/06
Batch#:	111987	Analyzed:	04/04/06

Field ID:	BH-13-GW	Lab ID:	185958-030
Type:	SAMPLE	Diln Fac:	1.000

Analyte	Result	RL
Gasoline C7-C12	940 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	69-137
Bromofluorobenzene (FID)	113	80-133

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC334230		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	69-137
Bromofluorobenzene (FID)	106	80-133

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC334232	Batch#:	111987
Matrix:	Water	Analyzed:	04/04/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,940	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	69-137
Bromofluorobenzene (FID)	122	80-133

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	111987
MSS Lab ID:	185952-001	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Type: MS Lab ID: QC334268

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	27.06	2,000	1,916	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	69-137
Bromofluorobenzene (FID)	122	80-133

Type: MSD Lab ID: QC334269

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,906	94	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	120	80-133

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-13-20.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-001	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	62-137
Bromofluorobenzene (FID)	109	60-148

Field ID:	BH-12-20.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-002	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	62-137
Bromofluorobenzene (FID)	105	60-148

Field ID:	BH-11-22'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-003	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-137
Bromofluorobenzene (FID)	115	60-148

Field ID:	BH-10-7.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-004	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	62-137
Bromofluorobenzene (FID)	109	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-09-11.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-005	Analyzed:	04/03/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	62-137
Bromofluorobenzene (FID)	106	60-148

Field ID:	BH-09-19.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-006	Analyzed:	04/03/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-137
Bromofluorobenzene (FID)	117	60-148

Field ID:	BH-06-5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-007	Analyzed:	04/03/06

Analyte	Result	RL
Gasoline C7-C12	8.6	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	137	62-137
Bromofluorobenzene (FID)	112	60-148

Field ID:	BH-06-7.5'	Diln Fac:	100.0
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-008	Analyzed:	04/03/06

Analyte	Result	RL
Gasoline C7-C12	1,300	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	62-137
Bromofluorobenzene (FID)	110	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-06-10'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-009	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	9.2	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	62-137
Bromofluorobenzene (FID)	121	60-148

Field ID:	BH-05-5'	Diln Fac:	25.00
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-010	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	310	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-137
Bromofluorobenzene (FID)	110	60-148

Field ID:	BH-05-7.5'	Diln Fac:	100.0
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-011	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	2,600	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	62-137
Bromofluorobenzene (FID)	139	60-148

Field ID:	BH-05-10'	Diln Fac:	100.0
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-012	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	2,800	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	62-137
Bromofluorobenzene (FID)	144	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-05-11.5'	Diln Fac:	25.00
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-013	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	83	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-137
Bromofluorobenzene (FID)	105	60-148

Field ID:	BH-07-5'	Diln Fac:	20.00
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-014	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	330	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	62-137
Bromofluorobenzene (FID)	116	60-148

Field ID:	BH-07-7.5'	Diln Fac:	250.0
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-015	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	2,800	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	62-137
Bromofluorobenzene (FID)	118	60-148

Field ID:	BH-07-10'	Diln Fac:	40.00
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-016	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	640	40

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	62-137
Bromofluorobenzene (FID)	116	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-07-11.5'	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-017	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	25	10

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	62-137
Bromofluorobenzene (FID)	119	60-148

Field ID:	BH-08-5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-018	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	30	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	62-137
Bromofluorobenzene (FID)	121	60-148

Field ID:	BH-08-7.5'	Diln Fac:	250.0
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-019	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	5,300	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	62-137
Bromofluorobenzene (FID)	130	60-148

Field ID:	BH-08-10'	Diln Fac:	40.00
Type:	SAMPLE	Batch#:	111982
Lab ID:	185958-020	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	1,100	40

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	62-137
Bromofluorobenzene (FID)	128	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received		

Field ID:	BH-08-11.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	111952
Lab ID:	185958-021	Analyzed:	04/04/06

Analyte	Result	RL
Gasoline C7-C12	2.3	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	62-137
Bromofluorobenzene (FID)	109	60-148

Type:	BLANK	Batch#:	111952
Lab ID:	QC334095	Analyzed:	04/03/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	62-137
Bromofluorobenzene (FID)	103	60-148

Type:	BLANK	Batch#:	111982
Lab ID:	QC334206	Analyzed:	04/04/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	62-137
Bromofluorobenzene (FID)	110	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC334097	Diln Fac:	1.000
Matrix:	Soil	Batch#:	111952
Units:	mg/Kg	Analyzed:	04/03/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.715	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	62-137
Bromofluorobenzene (FID)	119	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	185896-001	Batch#:	111952
Matrix:	Soil	Sampled:	03/30/06
Units:	mg/Kg	Received:	03/30/06
Basis:	as received	Analyzed:	04/03/06

Type: MS Lab ID: QC334135

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1322	9.804	9.157	92	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	62-137
Bromofluorobenzene (FID)	120	60-148

Type: MSD Lab ID: QC334136

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.87	10.12	92	38-120	0	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	62-137
Bromofluorobenzene (FID)	119	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC334208	Diln Fac:	1.000
Matrix:	Soil	Batch#:	111982
Units:	mg/Kg	Analyzed:	04/04/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.477	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	62-137
Bromofluorobenzene (FID)	123	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8015B
Field ID:	BH-13-20.5'	Diln Fac:	1.000
MSS Lab ID:	185958-001	Batch#:	111982
Matrix:	Soil	Sampled:	04/03/06
Units:	mg/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/04/06

Type: MS Lab ID: QC334377

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1801	10.87	10.16	92	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	62-137
Bromofluorobenzene (FID)	117	60-148

Type: MSD Lab ID: QC334378

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.42	9.373	88	38-120	4	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	62-137
Bromofluorobenzene (FID)	113	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-GW	Batch#:	112029
Lab ID:	185958-022	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	83.33		

Analyte	Result	RL
Freon 12	ND	83
tert-Butyl Alcohol (TBA)	ND	830
Chloromethane	ND	83
Isopropyl Ether (DIPE)	ND	42
Vinyl Chloride	ND	42
Bromomethane	ND	83
Ethyl tert-Butyl Ether (ETBE)	ND	42
Chloroethane	ND	83
Methyl tert-Amyl Ether (TAME)	ND	42
Trichlorofluoromethane	ND	83
Acetone	ND	830
Freon 113	ND	420
1,1-Dichloroethene	ND	42
Methylene Chloride	ND	830
Carbon Disulfide	ND	42
MTBE	60	42
trans-1,2-Dichloroethene	ND	42
Vinyl Acetate	ND	830
1,1-Dichloroethane	ND	42
2-Butanone	ND	830
cis-1,2-Dichloroethene	ND	42
2,2-Dichloropropane	ND	42
Chloroform	ND	42
Bromochloromethane	ND	42
1,1,1-Trichloroethane	ND	42
1,1-Dichloropropene	ND	42
Carbon Tetrachloride	ND	42
1,2-Dichloroethane	ND	42
Benzene	570	42
Trichloroethene	ND	42
1,2-Dichloropropane	ND	42
Bromodichloromethane	ND	42
Dibromomethane	ND	42
4-Methyl-2-Pentanone	ND	830
cis-1,3-Dichloropropene	ND	42
Toluene	680	42
trans-1,3-Dichloropropene	ND	42
1,1,2-Trichloroethane	ND	42
2-Hexanone	ND	830
1,3-Dichloropropane	ND	42
Tetrachloroethene	ND	42
Dibromochloromethane	ND	42
1,2-Dibromoethane	ND	42
Chlorobenzene	ND	42
1,1,1,2-Tetrachloroethane	ND	42
Ethylbenzene	4,600	42
m,p-Xylenes	2,900	42
o-Xylene	370	42
Styrene	ND	42
Bromoform	ND	83
Isopropylbenzene	290	42
1,1,2,2-Tetrachloroethane	ND	42
1,2,3-Trichloropropane	ND	42
Propylbenzene	860	42

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-GW	Batch#:	112029
Lab ID:	185958-022	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	83.33		

Analyte	Result	RL
Bromobenzene	ND	42
1,3,5-Trimethylbenzene	700	42
2-Chlorotoluene	66	42
4-Chlorotoluene	ND	42
tert-Butylbenzene	ND	42
1,2,4-Trimethylbenzene	2,300	42
sec-Butylbenzene	69	42
para-Isopropyl Toluene	50	42
1,3-Dichlorobenzene	ND	42
1,4-Dichlorobenzene	ND	42
n-Butylbenzene	ND	42
1,2-Dichlorobenzene	ND	42
1,2-Dibromo-3-Chloropropane	ND	170
1,2,4-Trichlorobenzene	ND	42
Hexachlorobutadiene	ND	42
Naphthalene	960	170
1,2,3-Trichlorobenzene	ND	42

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	92	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-GW	Units:	ug/L
Lab ID:	185958-024	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	20	20.00	112083	04/06/06
tert-Butyl Alcohol (TBA)	ND	200	20.00	112083	04/06/06
Chloromethane	ND	20	20.00	112083	04/06/06
Isopropyl Ether (DIPE)	ND	10	20.00	112083	04/06/06
Vinyl Chloride	ND	10	20.00	112083	04/06/06
Bromomethane	ND	20	20.00	112083	04/06/06
Ethyl tert-Butyl Ether (ETBE)	ND	10	20.00	112083	04/06/06
Chloroethane	ND	20	20.00	112083	04/06/06
Methyl tert-Amyl Ether (TAME)	ND	10	20.00	112083	04/06/06
Trichlorofluoromethane	ND	20	20.00	112083	04/06/06
Acetone	ND	200	20.00	112083	04/06/06
Freon 113	ND	100	20.00	112083	04/06/06
1,1-Dichloroethene	ND	10	20.00	112083	04/06/06
Methylene Chloride	ND	200	20.00	112083	04/06/06
Carbon Disulfide	ND	10	20.00	112083	04/06/06
MTBE	43	10	20.00	112083	04/06/06
trans-1,2-Dichloroethene	ND	10	20.00	112083	04/06/06
Vinyl Acetate	ND	200	20.00	112083	04/06/06
1,1-Dichloroethane	ND	10	20.00	112083	04/06/06
2-Butanone	ND	200	20.00	112083	04/06/06
cis-1,2-Dichloroethene	ND	10	20.00	112083	04/06/06
2,2-Dichloropropane	ND	10	20.00	112083	04/06/06
Chloroform	ND	10	20.00	112083	04/06/06
Bromochloromethane	ND	10	20.00	112083	04/06/06
1,1,1-Trichloroethane	ND	10	20.00	112083	04/06/06
1,1-Dichloropropene	ND	10	20.00	112083	04/06/06
Carbon Tetrachloride	ND	10	20.00	112083	04/06/06
1,2-Dichloroethane	ND	10	20.00	112083	04/06/06
Benzene	230	10	20.00	112083	04/06/06
Trichloroethene	ND	10	20.00	112083	04/06/06
1,2-Dichloropropane	ND	10	20.00	112083	04/06/06
Bromodichloromethane	ND	10	20.00	112083	04/06/06
Dibromomethane	ND	10	20.00	112083	04/06/06
4-Methyl-2-Pentanone	ND	200	20.00	112083	04/06/06
cis-1,3-Dichloropropene	ND	10	20.00	112083	04/06/06
Toluene	120	10	20.00	112083	04/06/06
trans-1,3-Dichloropropene	ND	10	20.00	112083	04/06/06
1,1,2-Trichloroethane	ND	10	20.00	112083	04/06/06
2-Hexanone	ND	200	20.00	112083	04/06/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-GW	Units:	ug/L
Lab ID:	185958-024	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	10	20.00	112083	04/06/06
Tetrachloroethene	ND	10	20.00	112083	04/06/06
Dibromochloromethane	ND	10	20.00	112083	04/06/06
1,2-Dibromoethane	ND	10	20.00	112083	04/06/06
Chlorobenzene	ND	10	20.00	112083	04/06/06
1,1,1,2-Tetrachloroethane	ND	10	20.00	112083	04/06/06
Ethylbenzene	1,600	10	20.00	112083	04/06/06
m,p-Xylenes	2,300	10	20.00	112083	04/06/06
o-Xylene	260	10	20.00	112083	04/06/06
Styrene	ND	10	20.00	112083	04/06/06
Bromoform	ND	20	20.00	112083	04/06/06
Isopropylbenzene	300	10	20.00	112083	04/06/06
1,1,2,2-Tetrachloroethane	ND	10	20.00	112083	04/06/06
1,2,3-Trichloropropane	ND	10	20.00	112083	04/06/06
Propylbenzene	1,000	10	20.00	112083	04/06/06
Bromobenzene	ND	10	20.00	112083	04/06/06
1,3,5-Trimethylbenzene	1,000	10	20.00	112083	04/06/06
2-Chlorotoluene	ND	10	20.00	112083	04/06/06
4-Chlorotoluene	ND	10	20.00	112083	04/06/06
tert-Butylbenzene	ND	10	20.00	112083	04/06/06
1,2,4-Trimethylbenzene	2,500	20	40.00	112029	04/05/06
sec-Butylbenzene	78	10	20.00	112083	04/06/06
para-Isopropyl Toluene	39	10	20.00	112083	04/06/06
1,3-Dichlorobenzene	ND	10	20.00	112083	04/06/06
1,4-Dichlorobenzene	ND	10	20.00	112083	04/06/06
n-Butylbenzene	ND	10	20.00	112083	04/06/06
1,2-Dichlorobenzene	ND	10	20.00	112083	04/06/06
1,2-Dibromo-3-Chloropropane	ND	40	20.00	112083	04/06/06
1,2,4-Trichlorobenzene	ND	10	20.00	112083	04/06/06
Hexachlorobutadiene	ND	10	20.00	112083	04/06/06
Naphthalene	630	40	20.00	112083	04/06/06
1,2,3-Trichlorobenzene	ND	10	20.00	112083	04/06/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	93	80-120	20.00	112083	04/06/06
1,2-Dichloroethane-d4	99	80-130	20.00	112083	04/06/06
Toluene-d8	99	80-120	20.00	112083	04/06/06
Bromofluorobenzene	88	80-122	20.00	112083	04/06/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-09-GW	Batch#:	112029
Lab ID:	185958-026	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-09-GW	Batch#:	112029
Lab ID:	185958-026	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-10-GW	Batch#:	112029
Lab ID:	185958-027	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	31	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	3.7	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-10-GW	Batch#:	112029
Lab ID:	185958-027	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-120
1,2-Dichloroethane-d4	90	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-11-GW	Batch#:	112029
Lab ID:	185958-028	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	16.67		

Analyte	Result	RL
Freon 12	ND	17
tert-Butyl Alcohol (TBA)	ND	170
Chloromethane	ND	17
Isopropyl Ether (DIPE)	ND	8.3
Vinyl Chloride	ND	8.3
Bromomethane	ND	17
Ethyl tert-Butyl Ether (ETBE)	ND	8.3
Chloroethane	ND	17
Methyl tert-Amyl Ether (TAME)	ND	8.3
Trichlorofluoromethane	ND	17
Acetone	ND	170
Freon 113	ND	83
1,1-Dichloroethene	ND	8.3
Methylene Chloride	ND	170
Carbon Disulfide	ND	8.3
MTBE	ND	8.3
trans-1,2-Dichloroethene	ND	8.3
Vinyl Acetate	ND	170
1,1-Dichloroethane	ND	8.3
2-Butanone	ND	170
cis-1,2-Dichloroethene	71	8.3
2,2-Dichloropropane	ND	8.3
Chloroform	ND	8.3
Bromochloromethane	ND	8.3
1,1,1-Trichloroethane	ND	8.3
1,1-Dichloropropene	ND	8.3
Carbon Tetrachloride	ND	8.3
1,2-Dichloroethane	ND	8.3
Benzene	ND	8.3
Trichloroethene	3,900 >LR b	8.3
1,2-Dichloropropane	ND	8.3
Bromodichloromethane	ND	8.3
Dibromomethane	ND	8.3
4-Methyl-2-Pentanone	ND	170
cis-1,3-Dichloropropene	ND	8.3
Toluene	ND	8.3
trans-1,3-Dichloropropene	ND	8.3
1,1,2-Trichloroethane	ND	8.3
2-Hexanone	ND	170
1,3-Dichloropropane	ND	8.3
Tetrachloroethene	ND	8.3
Dibromochloromethane	ND	8.3
1,2-Dibromoethane	ND	8.3
Chlorobenzene	ND	8.3
1,1,1,2-Tetrachloroethane	ND	8.3
Ethylbenzene	ND	8.3
m,p-Xylenes	ND	8.3
o-Xylene	ND	8.3
Styrene	ND	8.3
Bromoform	ND	17
Isopropylbenzene	ND	8.3
1,1,2,2-Tetrachloroethane	ND	8.3

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-11-GW	Batch#:	112029
Lab ID:	185958-028	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	16.67		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	8.3
Propylbenzene	ND	8.3
Bromobenzene	ND	8.3
1,3,5-Trimethylbenzene	ND	8.3
2-Chlorotoluene	ND	8.3
4-Chlorotoluene	ND	8.3
tert-Butylbenzene	ND	8.3
1,2,4-Trimethylbenzene	ND	8.3
sec-Butylbenzene	ND	8.3
para-Isopropyl Toluene	ND	8.3
1,3-Dichlorobenzene	ND	8.3
1,4-Dichlorobenzene	ND	8.3
n-Butylbenzene	ND	8.3
1,2-Dichlorobenzene	ND	8.3
1,2-Dibromo-3-Chloropropane	ND	33
1,2,4-Trichlorobenzene	ND	8.3
Hexachlorobutadiene	ND	8.3
Naphthalene	ND	33
1,2,3-Trichlorobenzene	ND	8.3

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	93	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-122

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-12-GW	Batch#:	112029
Lab ID:	185958-029	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	4.000		

Analyte	Result	RL
Freon 12	ND	4.0
tert-Butyl Alcohol (TBA)	ND	40
Chloromethane	ND	4.0
Isopropyl Ether (DIPE)	ND	2.0
Vinyl Chloride	ND	2.0
Bromomethane	ND	4.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Chloroethane	ND	4.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Trichlorofluoromethane	ND	4.0
Acetone	ND	40
Freon 113	ND	20
1,1-Dichloroethene	ND	2.0
Methylene Chloride	ND	40
Carbon Disulfide	ND	2.0
MTBE	ND	2.0
trans-1,2-Dichloroethene	ND	2.0
Vinyl Acetate	ND	40
1,1-Dichloroethane	ND	2.0
2-Butanone	ND	40
cis-1,2-Dichloroethene	53	2.0
2,2-Dichloropropane	ND	2.0
Chloroform	ND	2.0
Bromochloromethane	ND	2.0
1,1,1-Trichloroethane	ND	2.0
1,1-Dichloropropene	ND	2.0
Carbon Tetrachloride	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	ND	2.0
Trichloroethene	2,000 >LR b	2.0
1,2-Dichloropropane	ND	2.0
Bromodichloromethane	ND	2.0
Dibromomethane	ND	2.0
4-Methyl-2-Pentanone	ND	40
cis-1,3-Dichloropropene	ND	2.0
Toluene	ND	2.0
trans-1,3-Dichloropropene	ND	2.0
1,1,2-Trichloroethane	ND	2.0
2-Hexanone	ND	40
1,3-Dichloropropane	ND	2.0
Tetrachloroethene	ND	2.0
Dibromochloromethane	ND	2.0
1,2-Dibromoethane	ND	2.0
Chlorobenzene	ND	2.0
1,1,1,2-Tetrachloroethane	ND	2.0
Ethylbenzene	ND	2.0
m,p-Xylenes	ND	2.0
o-Xylene	ND	2.0
Styrene	ND	2.0
Bromoform	ND	4.0
Isopropylbenzene	ND	2.0
1,1,2,2-Tetrachloroethane	ND	2.0

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-12-GW	Batch#:	112029
Lab ID:	185958-029	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	4.000		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	2.0
Propylbenzene	ND	2.0
Bromobenzene	ND	2.0
1,3,5-Trimethylbenzene	ND	2.0
2-Chlorotoluene	ND	2.0
4-Chlorotoluene	ND	2.0
tert-Butylbenzene	ND	2.0
1,2,4-Trimethylbenzene	ND	2.0
sec-Butylbenzene	ND	2.0
para-Isopropyl Toluene	ND	2.0
1,3-Dichlorobenzene	ND	2.0
1,4-Dichlorobenzene	ND	2.0
n-Butylbenzene	ND	2.0
1,2-Dichlorobenzene	ND	2.0
1,2-Dibromo-3-Chloropropane	ND	8.0
1,2,4-Trichlorobenzene	ND	2.0
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	8.0
1,2,3-Trichlorobenzene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	93	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-122

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-GW	Batch#:	112029
Lab ID:	185958-030	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	8.333		

Analyte	Result	RL
Freon 12	ND	8.3
tert-Butyl Alcohol (TBA)	ND	83
Chloromethane	ND	8.3
Isopropyl Ether (DIPE)	ND	4.2
Vinyl Chloride	ND	4.2
Bromomethane	ND	8.3
Ethyl tert-Butyl Ether (ETBE)	ND	4.2
Chloroethane	ND	8.3
Methyl tert-Amyl Ether (TAME)	ND	4.2
Trichlorofluoromethane	ND	8.3
Acetone	ND	83
Freon 113	ND	42
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	83
Carbon Disulfide	ND	4.2
MTBE	ND	4.2
trans-1,2-Dichloroethene	ND	4.2
Vinyl Acetate	ND	83
1,1-Dichloroethane	ND	4.2
2-Butanone	ND	83
cis-1,2-Dichloroethene	41	4.2
2,2-Dichloropropane	ND	4.2
Chloroform	ND	4.2
Bromochloromethane	ND	4.2
1,1,1-Trichloroethane	ND	4.2
1,1-Dichloropropene	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	ND	4.2
Trichloroethene	2,200 >LR b	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
Dibromomethane	ND	4.2
4-Methyl-2-Pentanone	ND	83
cis-1,3-Dichloropropene	ND	4.2
Toluene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
2-Hexanone	ND	83
1,3-Dichloropropane	ND	4.2
Tetrachloroethene	ND	4.2
Dibromochloromethane	ND	4.2
1,2-Dibromoethane	ND	4.2
Chlorobenzene	ND	4.2
1,1,1,2-Tetrachloroethane	ND	4.2
Ethylbenzene	ND	4.2
m,p-Xylenes	ND	4.2
o-Xylene	ND	4.2
Styrene	ND	4.2
Bromoform	ND	8.3
Isopropylbenzene	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-GW	Batch#:	112029
Lab ID:	185958-030	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	8.333		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	4.2
Propylbenzene	ND	4.2
Bromobenzene	ND	4.2
1,3,5-Trimethylbenzene	ND	4.2
2-Chlorotoluene	ND	4.2
4-Chlorotoluene	ND	4.2
tert-Butylbenzene	ND	4.2
1,2,4-Trimethylbenzene	ND	4.2
sec-Butylbenzene	ND	4.2
para-Isopropyl Toluene	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
n-Butylbenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2
1,2-Dibromo-3-Chloropropane	ND	17
1,2,4-Trichlorobenzene	ND	4.2
Hexachlorobutadiene	ND	4.2
Naphthalene	ND	17
1,2,3-Trichlorobenzene	ND	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	94	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-122

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112029
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Type: BS Lab ID: QC334399

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.3	83	64-141
Isopropyl Ether (DIPE)	25.00	22.66	91	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.95	100	77-129
Methyl tert-Amyl Ether (TAME)	25.00	22.26	89	77-120
1,1-Dichloroethene	25.00	28.93	116	77-128
Benzene	25.00	25.80	103	80-120
Trichloroethene	25.00	27.16	109	80-120
Toluene	25.00	25.53	102	80-120
Chlorobenzene	25.00	25.56	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC334400

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	112.2	90	64-141	8	22
Isopropyl Ether (DIPE)	25.00	23.23	93	68-123	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.52	102	77-129	2	20
Methyl tert-Amyl Ether (TAME)	25.00	22.65	91	77-120	2	20
1,1-Dichloroethene	25.00	27.27	109	77-128	6	20
Benzene	25.00	24.99	100	80-120	3	20
Trichloroethene	25.00	26.72	107	80-120	2	20
Toluene	25.00	25.54	102	80-120	0	20
Chlorobenzene	25.00	24.89	100	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC334401	Batch#:	112029
Matrix:	Water	Analyzed:	04/05/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC334401	Batch#:	112029
Matrix:	Water	Analyzed:	04/05/06
Units:	ug/L		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112083
Units:	ug/L	Analyzed:	04/06/06
Diln Fac:	1.000		

Type: BS Lab ID: QC334610

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	127.6	102	64-141
Isopropyl Ether (DIPE)	25.00	21.86	87	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	25.15	101	77-129
Methyl tert-Amyl Ether (TAME)	25.00	24.73	99	77-120
1,1-Dichloroethene	25.00	29.27	117	77-128
Benzene	25.00	26.19	105	80-120
Trichloroethene	25.00	27.45	110	80-120
Toluene	25.00	26.54	106	80-120
Chlorobenzene	25.00	27.31	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-122

Type: BSD Lab ID: QC334611

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	127.7	102	64-141	0	22
Isopropyl Ether (DIPE)	25.00	21.15	85	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.25	97	77-129	4	20
Methyl tert-Amyl Ether (TAME)	25.00	23.46	94	77-120	5	20
1,1-Dichloroethene	25.00	28.90	116	77-128	1	20
Benzene	25.00	24.99	100	80-120	5	20
Trichloroethene	25.00	26.60	106	80-120	3	20
Toluene	25.00	25.59	102	80-120	4	20
Chlorobenzene	25.00	25.87	103	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	91	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC334612	Batch#:	112083
Matrix:	Water	Analyzed:	04/06/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC334612	Batch#:	112083
Matrix:	Water	Analyzed:	04/06/06
Units:	ug/L		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	0.8	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	1.3	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-GW	Batch#:	112029
Lab ID:	185958-022	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	83.33		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	830
MTBE	60	42
Isopropyl Ether (DIPE)	ND	42
Ethyl tert-Butyl Ether (ETBE)	ND	42
1,2-Dichloroethane	ND	42
Benzene	570	42
Methyl tert-Amyl Ether (TAME)	ND	42
Toluene	680	42
1,2-Dibromoethane	ND	42
Ethylbenzene	4,600	42
m,p-Xylenes	2,900	42
o-Xylene	370	42

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	92	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-GW	Batch#:	112083
Lab ID:	185958-023	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/06/06
Diln Fac:	4.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	40
MTBE	14	2.0
Isopropyl Ether (DIPE)	ND	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	82	2.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Toluene	5.2	2.0
1,2-Dibromoethane	ND	2.0
Ethylbenzene	290	2.0
m,p-Xylenes	33	2.0
o-Xylene	2.5	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	90	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-GW	Batch#:	112083
Lab ID:	185958-024	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/06/06
Diln Fac:	20.00		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	200
MTBE	43	10
Isopropyl Ether (DIPE)	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	10
1,2-Dichloroethane	ND	10
Benzene	230	10
Methyl tert-Amyl Ether (TAME)	ND	10
Toluene	120	10
1,2-Dibromoethane	ND	10
Ethylbenzene	1,600	10
m,p-Xylenes	2,300	10
o-Xylene	260	10

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	88	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-GW	Batch#:	112029
Lab ID:	185958-025	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	125.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	120	63
Isopropyl Ether (DIPE)	ND	63
Ethyl tert-Butyl Ether (ETBE)	ND	63
1,2-Dichloroethane	ND	63
Benzene	1,200	63
Methyl tert-Amyl Ether (TAME)	ND	63
Toluene	9,300	63
1,2-Dibromoethane	ND	63
Ethylbenzene	4,400	63
m,p-Xylenes	14,000	63
o-Xylene	6,400	63

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-09-GW	Batch#:	112029
Lab ID:	185958-026	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-10-GW	Batch#:	112029
Lab ID:	185958-027	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	3.7	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-120
1,2-Dichloroethane-d4	90	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-11-GW	Batch#:	112029
Lab ID:	185958-028	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	16.67		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	170
MTBE	ND	8.3
Isopropyl Ether (DIPE)	ND	8.3
Ethyl tert-Butyl Ether (ETBE)	ND	8.3
1,2-Dichloroethane	ND	8.3
Benzene	ND	8.3
Methyl tert-Amyl Ether (TAME)	ND	8.3
Toluene	ND	8.3
1,2-Dibromoethane	ND	8.3
Ethylbenzene	ND	8.3
m,p-Xylenes	ND	8.3
o-Xylene	ND	8.3

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	93	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-12-GW	Batch#:	112029
Lab ID:	185958-029	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	4.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	40
MTBE	ND	2.0
Isopropyl Ether (DIPE)	ND	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	ND	2.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Toluene	ND	2.0
1,2-Dibromoethane	ND	2.0
Ethylbenzene	ND	2.0
m,p-Xylenes	ND	2.0
o-Xylene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	93	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-GW	Batch#:	112029
Lab ID:	185958-030	Sampled:	04/03/06
Matrix:	Water	Received:	04/03/06
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	8.333		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	83
MTBE	ND	4.2
Isopropyl Ether (DIPE)	ND	4.2
Ethyl tert-Butyl Ether (ETBE)	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	ND	4.2
Methyl tert-Amyl Ether (TAME)	ND	4.2
Toluene	ND	4.2
1,2-Dibromoethane	ND	4.2
Ethylbenzene	ND	4.2
m,p-Xylenes	ND	4.2
o-Xylene	ND	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	94	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112029
Units:	ug/L	Analyzed:	04/05/06
Diln Fac:	1.000		

Type: BS Lab ID: QC334399

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.3	83	64-141
MTBE	25.00	21.58	86	72-120
Isopropyl Ether (DIPE)	25.00	22.66	91	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.95	100	77-129
1,2-Dichloroethane	25.00	25.18	101	77-120
Benzene	25.00	25.80	103	80-120
Methyl tert-Amyl Ether (TAME)	25.00	22.26	89	77-120
Toluene	25.00	25.53	102	80-120
1,2-Dibromoethane	25.00	23.61	94	80-120
Ethylbenzene	25.00	27.09	108	80-120
m,p-Xylenes	50.00	54.73	109	80-121
o-Xylene	25.00	26.70	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC334400

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	112.2	90	64-141	8	22
MTBE	25.00	22.47	90	72-120	4	20
Isopropyl Ether (DIPE)	25.00	23.23	93	68-123	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.52	102	77-129	2	20
1,2-Dichloroethane	25.00	24.42	98	77-120	3	20
Benzene	25.00	24.99	100	80-120	3	20
Methyl tert-Amyl Ether (TAME)	25.00	22.65	91	77-120	2	20
Toluene	25.00	25.54	102	80-120	0	20
1,2-Dibromoethane	25.00	23.61	94	80-120	0	20
Ethylbenzene	25.00	26.25	105	80-120	3	20
m,p-Xylenes	50.00	52.41	105	80-121	4	20
o-Xylene	25.00	26.06	104	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC334401	Batch#:	112029
Matrix:	Water	Analyzed:	04/05/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112083
Units:	ug/L	Analyzed:	04/06/06
Diln Fac:	1.000		

Type: BS Lab ID: QC334610

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	127.6	102	64-141
MTBE	25.00	22.06	88	72-120
Isopropyl Ether (DIPE)	25.00	21.86	87	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	25.15	101	77-129
1,2-Dichloroethane	25.00	26.02	104	77-120
Benzene	25.00	26.19	105	80-120
Methyl tert-Amyl Ether (TAME)	25.00	24.73	99	77-120
Toluene	25.00	26.54	106	80-120
1,2-Dibromoethane	25.00	27.11	108	80-120
Ethylbenzene	25.00	27.94	112	80-120
m,p-Xylenes	50.00	57.20	114	80-121
o-Xylene	25.00	28.26	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-122

Type: BSD Lab ID: QC334611

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	127.7	102	64-141	0	22
MTBE	25.00	21.37	85	72-120	3	20
Isopropyl Ether (DIPE)	25.00	21.15	85	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.25	97	77-129	4	20
1,2-Dichloroethane	25.00	24.70	99	77-120	5	20
Benzene	25.00	24.99	100	80-120	5	20
Methyl tert-Amyl Ether (TAME)	25.00	23.46	94	77-120	5	20
Toluene	25.00	25.59	102	80-120	4	20
1,2-Dibromoethane	25.00	26.28	105	80-120	3	20
Ethylbenzene	25.00	26.95	108	80-120	4	20
m,p-Xylenes	50.00	55.97	112	80-121	2	20
o-Xylene	25.00	27.81	111	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	91	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC334612	Batch#:	112083
Matrix:	Water	Analyzed:	04/06/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-20.5'	Diln Fac:	0.9615
Lab ID:	185958-001	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	113	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	112	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-12-20.5'	Diln Fac:	0.9259
Lab ID:	185958-002	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	104	79-120
1,2-Dichloroethane-d4	109	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	109	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-11-22'	Diln Fac:	0.9804
Lab ID:	185958-003	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	113	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	109	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-10-7.5'	Diln Fac:	0.9091
Lab ID:	185958-004	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	79-120
1,2-Dichloroethane-d4	116	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	113	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-09-11.5'	Diln Fac:	0.9615
Lab ID:	185958-005	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	115	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-09-19.5'	Diln Fac:	0.9615
Lab ID:	185958-006	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	107	79-120
1,2-Dichloroethane-d4	106	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	107	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-5'	Basis:	as received
Lab ID:	185958-007	Sampled:	04/03/06
Matrix:	Soil	Received:	04/03/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	330	3.333	112031	04/05/06
MTBE	ND	17	3.333	112031	04/05/06
Isopropyl Ether (DIPE)	ND	17	3.333	112031	04/05/06
Ethyl tert-Butyl Ether (ETBE)	ND	17	3.333	112031	04/05/06
1,2-Dichloroethane	ND	17	3.333	112031	04/05/06
Benzene	170	17	3.333	112031	04/05/06
Methyl tert-Amyl Ether (TAME)	ND	17	3.333	112031	04/05/06
Toluene	ND	17	3.333	112031	04/05/06
1,2-Dibromoethane	ND	17	3.333	112031	04/05/06
Ethylbenzene	220	130	25.00	112327	04/13/06
m,p-Xylenes	ND	17	3.333	112031	04/05/06
o-Xylene	ND	17	3.333	112031	04/05/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	79-120	3.333	112031	04/05/06
1,2-Dichloroethane-d4	110	76-130	3.333	112031	04/05/06
Toluene-d8	99	80-120	3.333	112031	04/05/06
Bromofluorobenzene	99	80-126	3.333	112031	04/05/06
Trifluorotoluene (MeOH)	116	53-133	25.00	112136	04/07/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-7.5'	Diln Fac:	5.000
Lab ID:	185958-008	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	500
MTBE	ND	25
Isopropyl Ether (DIPE)	ND	25
Ethyl tert-Butyl Ether (ETBE)	ND	25
1,2-Dichloroethane	ND	25
Benzene	25	25
Methyl tert-Amyl Ether (TAME)	ND	25
Toluene	ND	25
1,2-Dibromoethane	ND	25
Ethylbenzene	380	25
m,p-Xylenes	34	25
o-Xylene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	98	79-120
1,2-Dichloroethane-d4	116	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-10'	Diln Fac:	0.9615
Lab ID:	185958-009	Batch#:	112087
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/06/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	106	76-130
Toluene-d8	109	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-5'	Diln Fac:	50.00
Lab ID:	185958-010	Batch#:	112327
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	5,000
MTBE	ND	250
Isopropyl Ether (DIPE)	ND	250
Ethyl tert-Butyl Ether (ETBE)	ND	250
1,2-Dichloroethane	ND	250
Benzene	320	250
Methyl tert-Amyl Ether (TAME)	ND	250
Toluene	ND	250
1,2-Dibromoethane	ND	250
Ethylbenzene	3,800	250
m,p-Xylenes	6,200	250
o-Xylene	1,700	250

Surrogate	%REC	Limits
Dibromofluoromethane	87	79-120
1,2-Dichloroethane-d4	95	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-126
Trifluorotoluene (MeOH)	92	53-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-7.5'	Diln Fac:	625.0
Lab ID:	185958-011	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	63,000
MTBE	ND	3,100
Isopropyl Ether (DIPE)	ND	3,100
Ethyl tert-Butyl Ether (ETBE)	ND	3,100
1,2-Dichloroethane	ND	3,100
Benzene	ND	3,100
Methyl tert-Amyl Ether (TAME)	ND	3,100
Toluene	37,000	3,100
1,2-Dibromoethane	ND	3,100
Ethylbenzene	35,000	3,100
m,p-Xylenes	110,000	3,100
o-Xylene	51,000	3,100

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-126
Trifluorotoluene (MeOH)	DO	53-133

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-10'	Diln Fac:	1,000
Lab ID:	185958-012	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100,000
MTBE	ND	5,000
Isopropyl Ether (DIPE)	ND	5,000
Ethyl tert-Butyl Ether (ETBE)	ND	5,000
1,2-Dichloroethane	ND	5,000
Benzene	ND	5,000
Methyl tert-Amyl Ether (TAME)	ND	5,000
Toluene	ND	5,000
1,2-Dibromoethane	ND	5,000
Ethylbenzene	85,000	5,000
m,p-Xylenes	150,000	5,000
o-Xylene	ND	5,000

Surrogate	%REC	Limits
Dibromofluoromethane	93	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	90	80-126
Trifluorotoluene (MeOH)	DO	53-133

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-11.5'	Diln Fac:	40.00
Lab ID:	185958-013	Batch#:	112327
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	4,000
MTBE	ND	200
Isopropyl Ether (DIPE)	ND	200
Ethyl tert-Butyl Ether (ETBE)	ND	200
1,2-Dichloroethane	ND	200
Benzene	ND	200
Methyl tert-Amyl Ether (TAME)	ND	200
Toluene	ND	200
1,2-Dibromoethane	ND	200
Ethylbenzene	2,700	200
m,p-Xylenes	830	200
o-Xylene	ND	200

Surrogate	%REC	Limits
Dibromofluoromethane	87	79-120
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-126
Trifluorotoluene (MeOH)	92	53-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-5'	Diln Fac:	50.00
Lab ID:	185958-014	Batch#:	112382
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/14/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	5,000
MTBE	ND	250
Isopropyl Ether (DIPE)	ND	250
Ethyl tert-Butyl Ether (ETBE)	ND	250
1,2-Dichloroethane	ND	250
Benzene	340	250
Methyl tert-Amyl Ether (TAME)	ND	250
Toluene	2,200	250
1,2-Dibromoethane	ND	250
Ethylbenzene	2,400	250
m,p-Xylenes	8,500	250
o-Xylene	3,400	250

Surrogate	%REC	Limits
Dibromofluoromethane	90	79-120
1,2-Dichloroethane-d4	100	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-126
Trifluorotoluene (MeOH)	94	53-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-7.5'	Diln Fac:	833.3
Lab ID:	185958-015	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	83,000
MTBE	ND	4,200
Isopropyl Ether (DIPE)	ND	4,200
Ethyl tert-Butyl Ether (ETBE)	ND	4,200
1,2-Dichloroethane	ND	4,200
Benzene	ND	4,200
Methyl tert-Amyl Ether (TAME)	ND	4,200
Toluene	10,000	4,200
1,2-Dibromoethane	ND	4,200
Ethylbenzene	43,000	4,200
m,p-Xylenes	140,000	4,200
o-Xylene	56,000	4,200

Surrogate	%REC	Limits
Dibromofluoromethane	91	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	89	80-126
Trifluorotoluene (MeOH)	DO	53-133

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-10'	Diln Fac:	33.33
Lab ID:	185958-016	Batch#:	112327
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	3,300
MTBE	ND	170
Isopropyl Ether (DIPE)	ND	170
Ethyl tert-Butyl Ether (ETBE)	ND	170
1,2-Dichloroethane	ND	170
Benzene	ND	170
Methyl tert-Amyl Ether (TAME)	ND	170
Toluene	ND	170
1,2-Dibromoethane	ND	170
Ethylbenzene	2,300	170
m,p-Xylenes	1,200	170
o-Xylene	ND	170

Surrogate	%REC	Limits
Dibromofluoromethane	83	79-120
1,2-Dichloroethane-d4	91	76-130
Toluene-d8	94	80-120
Bromofluorobenzene	102	80-126
Trifluorotoluene (MeOH)	92	53-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-11.5'	Diln Fac:	1.000
Lab ID:	185958-017	Batch#:	112341
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	5.7	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	12	5.0
m,p-Xylenes	19	5.0
o-Xylene	5.3	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-5'	Diln Fac:	25.00
Lab ID:	185958-018	Batch#:	112327
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	2,500
MTBE	220	130
Isopropyl Ether (DIPE)	ND	130
Ethyl tert-Butyl Ether (ETBE)	ND	130
1,2-Dichloroethane	ND	130
Benzene	210	130
Methyl tert-Amyl Ether (TAME)	ND	130
Toluene	ND	130
1,2-Dibromoethane	ND	130
Ethylbenzene	1,100	130
m,p-Xylenes	1,100	130
o-Xylene	260	130

Surrogate	%REC	Limits
Dibromofluoromethane	84	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-126
Trifluorotoluene (MeOH)	95	53-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-7.5'	Basis:	as received
Lab ID:	185958-019	Sampled:	04/03/06
Matrix:	Soil	Received:	04/03/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	130,000	1,250	112283	04/12/06
MTBE	ND	6,300	1,250	112283	04/12/06
Isopropyl Ether (DIPE)	ND	6,300	1,250	112283	04/12/06
Ethyl tert-Butyl Ether (ETBE)	ND	6,300	1,250	112283	04/12/06
1,2-Dichloroethane	ND	6,300	1,250	112283	04/12/06
Benzene	ND	6,300	1,250	112283	04/12/06
Methyl tert-Amyl Ether (TAME)	ND	6,300	1,250	112283	04/12/06
Toluene	88,000	6,300	1,250	112283	04/12/06
1,2-Dibromoethane	ND	6,300	1,250	112283	04/12/06
Ethylbenzene	79,000	6,300	1,250	112283	04/12/06
m,p-Xylenes	260,000	10,000	2,000	112327	04/13/06
o-Xylene	120,000	6,300	1,250	112283	04/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	92	79-120	1,250	112283	04/12/06
1,2-Dichloroethane-d4	98	76-130	1,250	112283	04/12/06
Toluene-d8	99	80-120	1,250	112283	04/12/06
Bromofluorobenzene	90	80-126	1,250	112283	04/12/06
Trifluorotoluene (MeOH)	DO	53-133	1,250	112283	04/12/06

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-10'	Diln Fac:	400.0
Lab ID:	185958-020	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	40,000
MTBE	ND	2,000
Isopropyl Ether (DIPE)	ND	2,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Methyl tert-Amyl Ether (TAME)	ND	2,000
Toluene	11,000	2,000
1,2-Dibromoethane	ND	2,000
Ethylbenzene	18,000	2,000
m,p-Xylenes	63,000	2,000
o-Xylene	23,000	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	88	80-126
Trifluorotoluene (MeOH)	DO	53-133

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-11.5'	Batch#:	112136
Lab ID:	185958-021	Sampled:	04/03/06
Matrix:	Soil	Received:	04/03/06
Units:	ug/Kg	Analyzed:	04/07/06
Basis:	as received		

Analyte	Result	RL	Diln Fac
tert-Butyl Alcohol (TBA)	ND	98	0.9804
MTBE	9.8	4.9	0.9804
Isopropyl Ether (DIPE)	ND	4.9	0.9804
Ethyl tert-Butyl Ether (ETBE)	ND	4.9	0.9804
1,2-Dichloroethane	ND	4.9	0.9804
Benzene	67	4.9	0.9804
Methyl tert-Amyl Ether (TAME)	ND	4.9	0.9804
Toluene	96	4.9	0.9804
1,2-Dibromoethane	ND	4.9	0.9804
Ethylbenzene	260	25	5.000
m,p-Xylenes	480	25	5.000
o-Xylene	60	4.9	0.9804

Surrogate	%REC	Limits	Diln Fac
Dibromofluoromethane	106	79-120	0.9804
1,2-Dichloroethane-d4	88	76-130	0.9804
Toluene-d8	95	80-120	0.9804
Bromofluorobenzene	93	80-126	0.9804

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC334406	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112031
Units:	ug/Kg	Analyzed:	04/05/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	93.18	75	52-152
MTBE	25.00	20.06	80	69-120
Isopropyl Ether (DIPE)	25.00	21.82	87	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	23.81	95	76-133
1,2-Dichloroethane	25.00	26.07	104	72-120
Benzene	25.00	26.44	106	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.00	92	74-120
Toluene	25.00	25.33	101	80-120
1,2-Dibromoethane	25.00	23.81	95	78-120
Ethylbenzene	25.00	28.00	112	80-120
m,p-Xylenes	50.00	52.27	105	80-120
o-Xylene	25.00	25.61	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	104	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-126

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC334407	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112031
Units:	ug/Kg	Analyzed:	04/05/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	124	76-130
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-20.5'	Dil'n Fac:	0.9615
MSS Lab ID:	185958-001	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/06/06

Type: MS Lab ID: QC334453

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.078	120.2	61.41 b	51	41-149
MTBE	0.8947	24.04	16.48	65	56-120
Isopropyl Ether (DIPE)	<0.2071	24.04	13.98	58	55-123
Ethyl tert-Butyl Ether (ETBE)	<0.2414	24.04	15.84	66	64-131
1,2-Dichloroethane	<0.2778	24.04	23.92	100	60-120
Benzene	<0.2177	24.04	21.23	88	67-120
Methyl tert-Amyl Ether (TAME)	<0.2334	24.04	15.28	64	62-120
Toluene	<0.2438	24.04	20.75	86	62-120
1,2-Dibromoethane	<0.1353	24.04	19.96	83	60-120
Ethylbenzene	<0.2567	24.04	21.12	88	60-120
m,p-Xylenes	<0.6730	48.08	39.25	82	58-120
o-Xylene	<0.1287	24.04	20.38	85	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	121	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-126

Type: MSD Lab ID: QC334454

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	120.2	72.74 b	61	41-149	17	37
MTBE	24.04	19.34	77	56-120	16	23
Isopropyl Ether (DIPE)	24.04	16.71	70	55-123	18	23
Ethyl tert-Butyl Ether (ETBE)	24.04	19.25	80	64-131	19	22
1,2-Dichloroethane	24.04	22.35	93	60-120	7	20
Benzene	24.04	19.97	83	67-120	6	20
Methyl tert-Amyl Ether (TAME)	24.04	19.17	80	62-120	23 *	20
Toluene	24.04	19.40	81	62-120	7	20
1,2-Dibromoethane	24.04	18.79	78	60-120	6	20
Ethylbenzene	24.04	20.16	84	60-120	5	21
m,p-Xylenes	48.08	38.75	81	58-120	1	22
o-Xylene	24.04	18.97	79	58-120	7	22

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	115	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

*= Value outside of QC limits; see narrative
b= See narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC334628	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112087
Units:	ug/Kg	Analyzed:	04/06/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	114.2	91	52-152
MTBE	25.00	20.27	81	69-120
Isopropyl Ether (DIPE)	25.00	19.57	78	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	21.85	87	76-133
1,2-Dichloroethane	25.00	20.46	82	72-120
Benzene	25.00	25.08	100	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.88	88	74-120
Toluene	25.00	26.02	104	80-120
1,2-Dibromoethane	25.00	24.83	99	78-120
Ethylbenzene	25.00	25.40	102	80-120
m,p-Xylenes	50.00	56.20	112	80-120
o-Xylene	25.00	28.41	114	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	79-120
1,2-Dichloroethane-d4	77	76-130
Toluene-d8	94	80-120
Bromofluorobenzene	94	80-126

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC334629	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112087
Units:	ug/Kg	Analyzed:	04/06/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	96	79-120
1,2-Dichloroethane-d4	80	76-130
Toluene-d8	94	80-120
Bromofluorobenzene	99	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	185874-001	Batch#:	112087
Matrix:	Soil	Sampled:	03/28/06
Units:	ug/Kg	Received:	03/29/06
Basis:	as received		

Type: MS Lab ID: QC334647

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analyzed
tert-Butyl Alcohol (TBA)	<14.04	120.2	94.61	79	41-149	04/06/06
MTBE	<0.3636	24.04	19.07	79	56-120	04/06/06
Isopropyl Ether (DIPE)	<0.3785	24.04	19.64	82	55-123	04/06/06
Ethyl tert-Butyl Ether (ETBE)	<0.4168	24.04	21.32	89	64-131	04/06/06
1,2-Dichloroethane	<0.3192	24.04	25.53	106	60-120	04/07/06
Benzene	<0.2412	24.04	23.55	98	67-120	04/07/06
Methyl tert-Amyl Ether (TAME)	<0.4814	24.04	18.90	79	62-120	04/06/06
Toluene	<0.2257	24.04	23.11	96	62-120	04/07/06
1,2-Dibromoethane	<0.3479	24.04	22.67	94	60-120	04/07/06
Ethylbenzene	<0.2088	24.04	24.04	100	60-120	04/07/06
m,p-Xylenes	<0.4095	48.08	45.92	96	58-120	04/07/06
o-Xylene	<0.3143	24.04	22.42	93	58-120	04/07/06

Surrogate	%REC	Limits	Analyzed
Dibromofluoromethane	114	79-120	04/07/06
1,2-Dichloroethane-d4	115	76-130	04/07/06
Toluene-d8	103	80-120	04/07/06
Bromofluorobenzene	103	80-126	04/07/06

Type: MSD Lab ID: QC334648

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
tert-Butyl Alcohol (TBA)	120.2	95.99 b	80	41-149	1	37	04/06/06
MTBE	24.04	19.37 b	81	56-120	2	23	04/06/06
Isopropyl Ether (DIPE)	24.04	19.95 b	83	55-123	2	23	04/06/06
Ethyl tert-Butyl Ether (ETBE)	24.04	21.17 b	88	64-131	1	22	04/06/06
1,2-Dichloroethane	24.04	24.25	101	60-120	5	20	04/07/06
Benzene	24.04	23.65	98	67-120	0	20	04/07/06
Methyl tert-Amyl Ether (TAME)	24.04	18.40 b	77	62-120	3	20	04/06/06
Toluene	24.04	22.19	92	62-120	4	20	04/07/06
1,2-Dibromoethane	24.04	21.16	88	60-120	7	20	04/07/06
Ethylbenzene	24.04	23.79	99	60-120	1	21	04/07/06
m,p-Xylenes	48.08	44.73	93	58-120	3	22	04/07/06
o-Xylene	24.04	21.73	90	58-120	3	22	04/07/06

Surrogate	%REC	Limits	Analyzed
Dibromofluoromethane	109	79-120	04/07/06
1,2-Dichloroethane-d4	112	76-130	04/07/06
Toluene-d8	99	80-120	04/07/06
Bromofluorobenzene	99	80-126	04/07/06

b= See narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC334812	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112136
Units:	ug/Kg	Analyzed:	04/07/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	119.5	96	52-152
MTBE	25.00	21.84	87	69-120
Isopropyl Ether (DIPE)	25.00	20.02	80	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	22.60	90	76-133
1,2-Dichloroethane	25.00	21.90	88	72-120
Benzene	25.00	24.82	99	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.81	87	74-120
Toluene	25.00	25.57	102	80-120
1,2-Dibromoethane	25.00	26.36	105	78-120
Ethylbenzene	25.00	27.04	108	80-120
m,p-Xylenes	50.00	59.81	120	80-120
o-Xylene	25.00	29.20	117	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	79-120
1,2-Dichloroethane-d4	78	76-130
Toluene-d8	93	80-120
Bromofluorobenzene	95	80-126

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC334814	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112136
Units:	ug/Kg	Analyzed:	04/07/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	79-120
1,2-Dichloroethane-d4	87	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112283
Units:	ug/Kg	Analyzed:	04/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC335400

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	122.6	98	52-152
MTBE	25.00	21.22	85	69-120
Isopropyl Ether (DIPE)	25.00	21.38	86	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	24.40	98	76-133
1,2-Dichloroethane	25.00	25.09	100	72-120
Benzene	25.00	24.95	100	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.86	95	74-120
Toluene	25.00	25.53	102	80-120
1,2-Dibromoethane	25.00	26.36	105	78-120
Ethylbenzene	25.00	26.82	107	80-120
m,p-Xylenes	50.00	54.05	108	80-120
o-Xylene	25.00	26.79	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-126

Type: BSD Lab ID: QC335401

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	123.6	99	52-152	1	36
MTBE	25.00	21.07	84	69-120	1	20
Isopropyl Ether (DIPE)	25.00	21.08	84	65-128	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.11	96	76-133	1	20
1,2-Dichloroethane	25.00	24.18	97	72-120	4	20
Benzene	25.00	23.46	94	80-120	6	20
Methyl tert-Amyl Ether (TAME)	25.00	23.78	95	74-120	0	20
Toluene	25.00	23.82	95	80-120	7	20
1,2-Dibromoethane	25.00	25.92	104	78-120	2	20
Ethylbenzene	25.00	24.66	99	80-120	8	20
m,p-Xylenes	50.00	50.57	101	80-120	7	20
o-Xylene	25.00	24.76	99	80-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	93	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC335402	Batch#:	112283
Matrix:	Water	Analyzed:	04/12/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112327
Units:	ug/Kg	Analyzed:	04/13/06
Diln Fac:	1.000		

Type: BS Lab ID: QC335546

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	113.5	91	52-152
MTBE	25.00	21.86	87	69-120
Isopropyl Ether (DIPE)	25.00	21.83	87	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	24.43	98	76-133
1,2-Dichloroethane	25.00	22.09	88	72-120
Benzene	25.00	23.60	94	80-120
Methyl tert-Amyl Ether (TAME)	25.00	22.77	91	74-120
Toluene	25.00	24.20	97	80-120
1,2-Dibromoethane	25.00	23.00	92	78-120
Ethylbenzene	25.00	25.82	103	80-120
m,p-Xylenes	50.00	53.89	108	80-120
o-Xylene	25.00	25.73	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	92	80-126

Type: BSD Lab ID: QC335547

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	104.8	84	52-152	8	36
MTBE	25.00	20.32	81	69-120	7	20
Isopropyl Ether (DIPE)	25.00	20.51	82	65-128	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.08	92	76-133	6	20
1,2-Dichloroethane	25.00	22.41	90	72-120	1	20
Benzene	25.00	23.29	93	80-120	1	20
Methyl tert-Amyl Ether (TAME)	25.00	21.18	85	74-120	7	20
Toluene	25.00	24.30	97	80-120	0	20
1,2-Dibromoethane	25.00	23.01	92	78-120	0	20
Ethylbenzene	25.00	25.71	103	80-120	0	20
m,p-Xylenes	50.00	52.34	105	80-120	3	20
o-Xylene	25.00	25.51	102	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	91	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC335548	Batch#:	112327
Matrix:	Water	Analyzed:	04/13/06
Units:	ug/Kg		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	94	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	112341
Basis:	as received	Analyzed:	04/13/06

Type: BS Lab ID: QC335591

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	145.4	116	52-152
MTBE	25.00	24.61	98	69-120
Isopropyl Ether (DIPE)	25.00	24.62	98	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	24.20	97	76-133
1,2-Dichloroethane	25.00	25.57	102	72-120
Benzene	25.00	26.76	107	80-120
Methyl tert-Amyl Ether (TAME)	25.00	24.12	96	74-120
Toluene	25.00	27.55	110	80-120
1,2-Dibromoethane	25.00	26.82	107	78-120
Ethylbenzene	25.00	28.07	112	80-120
m,p-Xylenes	50.00	55.74	111	80-120
o-Xylene	25.00	27.61	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

Type: BSD Lab ID: QC335592

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	141.3	113	52-152	3	36
MTBE	25.00	23.77	95	69-120	3	20
Isopropyl Ether (DIPE)	25.00	24.13	97	65-128	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.94	96	76-133	1	20
1,2-Dichloroethane	25.00	23.79	95	72-120	7	20
Benzene	25.00	24.98	100	80-120	7	20
Methyl tert-Amyl Ether (TAME)	25.00	22.96	92	74-120	5	20
Toluene	25.00	25.66	103	80-120	7	20
1,2-Dibromoethane	25.00	24.56	98	78-120	9	20
Ethylbenzene	25.00	26.71	107	80-120	5	20
m,p-Xylenes	50.00	53.90	108	80-120	3	20
o-Xylene	25.00	26.61	106	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	79-120
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC335593	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112341
Units:	ug/Kg	Analyzed:	04/13/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112382
Units:	ug/Kg	Analyzed:	04/14/06
Diln Fac:	1.000		

Type: BS Lab ID: QC335743

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	106.3	85	52-152
MTBE	25.00	19.85	79	69-120
Isopropyl Ether (DIPE)	25.00	19.97	80	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	22.11	88	76-133
1,2-Dichloroethane	25.00	21.27	85	72-120
Benzene	25.00	22.31	89	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.20	85	74-120
Toluene	25.00	23.29	93	80-120
1,2-Dibromoethane	25.00	22.16	89	78-120
Ethylbenzene	25.00	24.57	98	80-120
m,p-Xylenes	50.00	50.58	101	80-120
o-Xylene	25.00	25.10	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	79-120
1,2-Dichloroethane-d4	89	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-126

Type: BSD Lab ID: QC335744

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	105.6	84	52-152	1	36
MTBE	25.00	19.45	78	69-120	2	20
Isopropyl Ether (DIPE)	25.00	19.47	78	65-128	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	21.30	85	76-133	4	20
1,2-Dichloroethane	25.00	21.10	84	72-120	1	20
Benzene	25.00	22.36	89	80-120	0	20
Methyl tert-Amyl Ether (TAME)	25.00	20.62	82	74-120	3	20
Toluene	25.00	23.33	93	80-120	0	20
1,2-Dibromoethane	25.00	22.37	89	78-120	1	20
Ethylbenzene	25.00	24.78	99	80-120	1	20
m,p-Xylenes	50.00	50.65	101	80-120	0	20
o-Xylene	25.00	24.76	99	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	88	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

BTXE & Oxygenates

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC335745	Batch#:	112382
Matrix:	Water	Analyzed:	04/14/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-7.5'	Dil'n Fac:	5.000
Lab ID:	185958-008	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	500
Chloromethane	ND	50
Isopropyl Ether (DIPE)	ND	25
Vinyl Chloride	ND	50
Bromomethane	ND	50
Ethyl tert-Butyl Ether (ETBE)	ND	25
Chloroethane	ND	50
Methyl tert-Amyl Ether (TAME)	ND	25
Trichlorofluoromethane	ND	25
Acetone	ND	100
Freon 113	ND	25
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	100
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	250
1,1-Dichloroethane	ND	25
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	25	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	50
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	380	25
m,p-Xylenes	34	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	25
Isopropylbenzene	320	25
1,1,2,2-Tetrachloroethane	ND	25

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-06-7.5'	Dil'n Fac:	5.000
Lab ID:	185958-008	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/05/06

Analyte	Result	RL
1,2,3-Trichloropropane	ND	25
Propylbenzene	1,100 >LR b	25
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	42	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	ND	25
sec-Butylbenzene	320	25
para-Isopropyl Toluene	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	950 >LR b	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	25
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	25
Naphthalene	530 >LR b	25
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	98	79-120
1,2-Dichloroethane-d4	116	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-126

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-7.5'	Dil'n Fac:	625.0
Lab ID:	185958-011	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
Freon 12	ND	6,300
tert-Butyl Alcohol (TBA)	ND	63,000
Chloromethane	ND	6,300
Isopropyl Ether (DIPE)	ND	3,100
Vinyl Chloride	ND	6,300
Bromomethane	ND	6,300
Ethyl tert-Butyl Ether (ETBE)	ND	3,100
Chloroethane	ND	6,300
Methyl tert-Amyl Ether (TAME)	ND	3,100
Trichlorofluoromethane	ND	3,100
Acetone	ND	13,000
Freon 113	ND	3,100
1,1-Dichloroethene	ND	3,100
Methylene Chloride	ND	13,000
Carbon Disulfide	ND	3,100
MTBE	ND	3,100
trans-1,2-Dichloroethene	ND	3,100
Vinyl Acetate	ND	31,000
1,1-Dichloroethane	ND	3,100
2-Butanone	ND	6,300
cis-1,2-Dichloroethene	ND	3,100
2,2-Dichloropropane	ND	3,100
Chloroform	ND	3,100
Bromochloromethane	ND	3,100
1,1,1-Trichloroethane	ND	3,100
1,1-Dichloropropene	ND	3,100
Carbon Tetrachloride	ND	3,100
1,2-Dichloroethane	ND	3,100
Benzene	ND	3,100
Trichloroethene	ND	3,100
1,2-Dichloropropane	ND	3,100
Bromodichloromethane	ND	3,100
Dibromomethane	ND	3,100
4-Methyl-2-Pentanone	ND	6,300
cis-1,3-Dichloropropene	ND	3,100
Toluene	37,000	3,100
trans-1,3-Dichloropropene	ND	3,100
1,1,2-Trichloroethane	ND	3,100
2-Hexanone	ND	6,300
1,3-Dichloropropane	ND	3,100
Tetrachloroethene	ND	3,100
Dibromochloromethane	ND	3,100
1,2-Dibromoethane	ND	3,100
Chlorobenzene	ND	3,100
1,1,1,2-Tetrachloroethane	ND	3,100
Ethylbenzene	35,000	3,100
m,p-Xylenes	110,000	3,100
o-Xylene	51,000	3,100
Styrene	ND	3,100
Bromoform	ND	3,100
Isopropylbenzene	4,100	3,100

b= See narrative
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-05-7.5'	Dil'n Fac:	625.0
Lab ID:	185958-011	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
1,1,2,2-Tetrachloroethane	ND	3,100
1,2,3-Trichloropropane	ND	3,100
Propylbenzene	16,000	3,100
Bromobenzene	ND	3,100
1,3,5-Trimethylbenzene	28,000	3,100
2-Chlorotoluene	ND	3,100
4-Chlorotoluene	ND	3,100
tert-Butylbenzene	ND	3,100
1,2,4-Trimethylbenzene	93,000 >LR b	3,100
sec-Butylbenzene	ND	3,100
para-Isopropyl Toluene	ND	3,100
1,3-Dichlorobenzene	ND	3,100
1,4-Dichlorobenzene	ND	3,100
n-Butylbenzene	7,800	3,100
1,2-Dichlorobenzene	ND	3,100
1,2-Dibromo-3-Chloropropane	ND	3,100
1,2,4-Trichlorobenzene	ND	3,100
Hexachlorobutadiene	ND	3,100
Naphthalene	11,000	3,100
1,2,3-Trichlorobenzene	ND	3,100

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-126
Trifluorotoluene (MeOH)	DO	53-133

b= See narrative
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ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-7.5'	Dil'n Fac:	833.3
Lab ID:	185958-015	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
Freon 12	ND	8,300
tert-Butyl Alcohol (TBA)	ND	83,000
Chloromethane	ND	8,300
Isopropyl Ether (DIPE)	ND	4,200
Vinyl Chloride	ND	8,300
Bromomethane	ND	8,300
Ethyl tert-Butyl Ether (ETBE)	ND	4,200
Chloroethane	ND	8,300
Methyl tert-Amyl Ether (TAME)	ND	4,200
Trichlorofluoromethane	ND	4,200
Acetone	ND	17,000
Freon 113	ND	4,200
1,1-Dichloroethene	ND	4,200
Methylene Chloride	ND	17,000
Carbon Disulfide	ND	4,200
MTBE	ND	4,200
trans-1,2-Dichloroethene	ND	4,200
Vinyl Acetate	ND	42,000
1,1-Dichloroethane	ND	4,200
2-Butanone	ND	8,300
cis-1,2-Dichloroethene	ND	4,200
2,2-Dichloropropane	ND	4,200
Chloroform	ND	4,200
Bromochloromethane	ND	4,200
1,1,1-Trichloroethane	ND	4,200
1,1-Dichloropropene	ND	4,200
Carbon Tetrachloride	ND	4,200
1,2-Dichloroethane	ND	4,200
Benzene	ND	4,200
Trichloroethene	ND	4,200
1,2-Dichloropropane	ND	4,200
Bromodichloromethane	ND	4,200
Dibromomethane	ND	4,200
4-Methyl-2-Pentanone	ND	8,300
cis-1,3-Dichloropropene	ND	4,200
Toluene	10,000	4,200
trans-1,3-Dichloropropene	ND	4,200
1,1,2-Trichloroethane	ND	4,200
2-Hexanone	ND	8,300
1,3-Dichloropropane	ND	4,200
Tetrachloroethene	ND	4,200
Dibromochloromethane	ND	4,200
1,2-Dibromoethane	ND	4,200
Chlorobenzene	ND	4,200
1,1,1,2-Tetrachloroethane	ND	4,200
Ethylbenzene	43,000	4,200
m,p-Xylenes	140,000	4,200
o-Xylene	56,000	4,200
Styrene	ND	4,200
Bromoform	ND	4,200
Isopropylbenzene	5,400	4,200

b= See narrative
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-07-7.5'	Dil'n Fac:	833.3
Lab ID:	185958-015	Batch#:	112283
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/12/06

Analyte	Result	RL
1,1,2,2-Tetrachloroethane	ND	4,200
1,2,3-Trichloropropane	ND	4,200
Propylbenzene	22,000	4,200
Bromobenzene	ND	4,200
1,3,5-Trimethylbenzene	41,000	4,200
2-Chlorotoluene	ND	4,200
4-Chlorotoluene	ND	4,200
tert-Butylbenzene	ND	4,200
1,2,4-Trimethylbenzene	140,000 >LR b	4,200
sec-Butylbenzene	ND	4,200
para-Isopropyl Toluene	ND	4,200
1,3-Dichlorobenzene	ND	4,200
1,4-Dichlorobenzene	ND	4,200
n-Butylbenzene	8,800	4,200
1,2-Dichlorobenzene	ND	4,200
1,2-Dibromo-3-Chloropropane	ND	4,200
1,2,4-Trichlorobenzene	ND	4,200
Hexachlorobutadiene	ND	4,200
Naphthalene	19,000	4,200
1,2,3-Trichlorobenzene	ND	4,200

Surrogate	%REC	Limits
Dibromofluoromethane	91	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	89	80-126
Trifluorotoluene (MeOH)	DO	53-133

b= See narrative
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-7.5'	Basis:	as received
Lab ID:	185958-019	Sampled:	04/03/06
Matrix:	Soil	Received:	04/03/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	13,000	1,250	112283	04/12/06
tert-Butyl Alcohol (TBA)	ND	130,000	1,250	112283	04/12/06
Chloromethane	ND	13,000	1,250	112283	04/12/06
Isopropyl Ether (DIPE)	ND	6,300	1,250	112283	04/12/06
Vinyl Chloride	ND	13,000	1,250	112283	04/12/06
Bromomethane	ND	13,000	1,250	112283	04/12/06
Ethyl tert-Butyl Ether (ETBE)	ND	6,300	1,250	112283	04/12/06
Chloroethane	ND	13,000	1,250	112283	04/12/06
Methyl tert-Amyl Ether (TAME)	ND	6,300	1,250	112283	04/12/06
Trichlorofluoromethane	ND	6,300	1,250	112283	04/12/06
Acetone	ND	25,000	1,250	112283	04/12/06
Freon 113	ND	6,300	1,250	112283	04/12/06
1,1-Dichloroethene	ND	6,300	1,250	112283	04/12/06
Methylene Chloride	ND	25,000	1,250	112283	04/12/06
Carbon Disulfide	ND	6,300	1,250	112283	04/12/06
MTBE	ND	6,300	1,250	112283	04/12/06
trans-1,2-Dichloroethene	ND	6,300	1,250	112283	04/12/06
Vinyl Acetate	ND	63,000	1,250	112283	04/12/06
1,1-Dichloroethane	ND	6,300	1,250	112283	04/12/06
2-Butanone	ND	13,000	1,250	112283	04/12/06
cis-1,2-Dichloroethene	ND	6,300	1,250	112283	04/12/06
2,2-Dichloropropane	ND	6,300	1,250	112283	04/12/06
Chloroform	ND	6,300	1,250	112283	04/12/06
Bromochloromethane	ND	6,300	1,250	112283	04/12/06
1,1,1-Trichloroethane	ND	6,300	1,250	112283	04/12/06
1,1-Dichloropropene	ND	6,300	1,250	112283	04/12/06
Carbon Tetrachloride	ND	6,300	1,250	112283	04/12/06
1,2-Dichloroethane	ND	6,300	1,250	112283	04/12/06
Benzene	ND	6,300	1,250	112283	04/12/06
Trichloroethene	ND	6,300	1,250	112283	04/12/06
1,2-Dichloropropane	ND	6,300	1,250	112283	04/12/06
Bromodichloromethane	ND	6,300	1,250	112283	04/12/06
Dibromomethane	ND	6,300	1,250	112283	04/12/06
4-Methyl-2-Pentanone	ND	13,000	1,250	112283	04/12/06
cis-1,3-Dichloropropene	ND	6,300	1,250	112283	04/12/06
Toluene	88,000	6,300	1,250	112283	04/12/06
trans-1,3-Dichloropropene	ND	6,300	1,250	112283	04/12/06
1,1,2-Trichloroethane	ND	6,300	1,250	112283	04/12/06
2-Hexanone	ND	13,000	1,250	112283	04/12/06
1,3-Dichloropropane	ND	6,300	1,250	112283	04/12/06
Tetrachloroethene	ND	6,300	1,250	112283	04/12/06
Dibromochloromethane	ND	6,300	1,250	112283	04/12/06
1,2-Dibromoethane	ND	6,300	1,250	112283	04/12/06
Chlorobenzene	ND	6,300	1,250	112283	04/12/06
1,1,1,2-Tetrachloroethane	ND	6,300	1,250	112283	04/12/06
Ethylbenzene	79,000	6,300	1,250	112283	04/12/06
m,p-Xylenes	260,000	10,000	2,000	112327	04/13/06
o-Xylene	120,000	6,300	1,250	112283	04/12/06
Styrene	ND	6,300	1,250	112283	04/12/06
Bromoform	ND	6,300	1,250	112283	04/12/06
Isopropylbenzene	9,300	6,300	1,250	112283	04/12/06
1,1,2,2-Tetrachloroethane	ND	6,300	1,250	112283	04/12/06
1,2,3-Trichloropropane	ND	6,300	1,250	112283	04/12/06
Propylbenzene	36,000	6,300	1,250	112283	04/12/06

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-08-7.5'	Basis:	as received
Lab ID:	185958-019	Sampled:	04/03/06
Matrix:	Soil	Received:	04/03/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Bromobenzene	ND	6,300	1,250	112283	04/12/06
1,3,5-Trimethylbenzene	63,000	6,300	1,250	112283	04/12/06
2-Chlorotoluene	ND	6,300	1,250	112283	04/12/06
4-Chlorotoluene	ND	6,300	1,250	112283	04/12/06
tert-Butylbenzene	ND	6,300	1,250	112283	04/12/06
1,2,4-Trimethylbenzene	190,000	10,000	2,000	112327	04/13/06
sec-Butylbenzene	ND	6,300	1,250	112283	04/12/06
para-Isopropyl Toluene	ND	6,300	1,250	112283	04/12/06
1,3-Dichlorobenzene	ND	6,300	1,250	112283	04/12/06
1,4-Dichlorobenzene	ND	6,300	1,250	112283	04/12/06
n-Butylbenzene	18,000	6,300	1,250	112283	04/12/06
1,2-Dichlorobenzene	ND	6,300	1,250	112283	04/12/06
1,2-Dibromo-3-Chloropropane	ND	6,300	1,250	112283	04/12/06
1,2,4-Trichlorobenzene	ND	6,300	1,250	112283	04/12/06
Hexachlorobutadiene	ND	6,300	1,250	112283	04/12/06
Naphthalene	27,000	6,300	1,250	112283	04/12/06
1,2,3-Trichlorobenzene	ND	6,300	1,250	112283	04/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	92	79-120	1,250	112283	04/12/06
1,2-Dichloroethane-d4	98	76-130	1,250	112283	04/12/06
Toluene-d8	99	80-120	1,250	112283	04/12/06
Bromofluorobenzene	90	80-126	1,250	112283	04/12/06
Trifluorotoluene (MeOH)	DO	53-133	1,250	112283	04/12/06

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC334406	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112031
Units:	ug/Kg	Analyzed:	04/05/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	93.18	75	52-152
Isopropyl Ether (DIPE)	25.00	21.82	87	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	23.81	95	76-133
Methyl tert-Amyl Ether (TAME)	25.00	23.00	92	74-120
1,1-Dichloroethene	25.00	27.18	109	79-132
Benzene	25.00	26.44	106	80-120
Trichloroethene	25.00	27.31	109	80-121
Toluene	25.00	25.33	101	80-120
Chlorobenzene	25.00	25.24	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	104	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-126

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC334407	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112031
Units:	ug/Kg	Analyzed:	04/05/06

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
RL= Reporting Limit

77.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC334407	Diln Fac:	1.000
Matrix:	Soil	Batch#:	112031
Units:	ug/Kg	Analyzed:	04/05/06

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	124	76-130
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Field ID:	BH-13-20.5'	Dil'n Fac:	0.9615
MSS Lab ID:	185958-001	Batch#:	112031
Matrix:	Soil	Sampled:	04/03/06
Units:	ug/Kg	Received:	04/03/06
Basis:	as received	Analyzed:	04/06/06

Type: MS Lab ID: QC334453

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.078	120.2	61.41 b	51	41-149
Isopropyl Ether (DIPE)	<0.2071	24.04	13.98	58	55-123
Ethyl tert-Butyl Ether (ETBE)	<0.2414	24.04	15.84	66	64-131
Methyl tert-Amyl Ether (TAME)	<0.2334	24.04	15.28	64	62-120
1,1-Dichloroethene	<0.3000	24.04	24.57	102	72-135
Benzene	<0.2177	24.04	21.23	88	67-120
Trichloroethene	39.45	24.04	51.21	49 *	65-131
Toluene	<0.2438	24.04	20.75	86	62-120
Chlorobenzene	<0.2275	24.04	19.14	80	59-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	121	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-126

Type: MSD Lab ID: QC334454

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	120.2	72.74 b	61	41-149	17	37
Isopropyl Ether (DIPE)	24.04	16.71	70	55-123	18	23
Ethyl tert-Butyl Ether (ETBE)	24.04	19.25	80	64-131	19	22
Methyl tert-Amyl Ether (TAME)	24.04	19.17	80	62-120	23 *	20
1,1-Dichloroethene	24.04	22.68	94	72-135	8	22
Benzene	24.04	19.97	83	67-120	6	20
Trichloroethene	24.04	63.23	99	65-131	21 *	20
Toluene	24.04	19.40	81	62-120	7	20
Chlorobenzene	24.04	18.64	78	59-120	3	21

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	115	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

*= Value outside of QC limits; see narrative
b= See narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112283
Units:	ug/Kg	Analyzed:	04/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC335400

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	122.6	98	52-152
Isopropyl Ether (DIPE)	25.00	21.38	86	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	24.40	98	76-133
Methyl tert-Amyl Ether (TAME)	25.00	23.86	95	74-120
1,1-Dichloroethene	25.00	26.33	105	79-132
Benzene	25.00	24.95	100	80-120
Trichloroethene	25.00	26.43	106	80-121
Toluene	25.00	25.53	102	80-120
Chlorobenzene	25.00	25.88	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-126

Type: BSD Lab ID: QC335401

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	123.6	99	52-152	1	36
Isopropyl Ether (DIPE)	25.00	21.08	84	65-128	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.11	96	76-133	1	20
Methyl tert-Amyl Ether (TAME)	25.00	23.78	95	74-120	0	20
1,1-Dichloroethene	25.00	24.71	99	79-132	6	20
Benzene	25.00	23.46	94	80-120	6	20
Trichloroethene	25.00	24.24	97	80-121	9	20
Toluene	25.00	23.82	95	80-120	7	20
Chlorobenzene	25.00	24.06	96	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	93	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC335402	Batch#:	112283
Matrix:	Water	Analyzed:	04/12/06
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
RL= Reporting Limit

80.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC335402	Batch#:	112283
Matrix:	Water	Analyzed:	04/12/06
Units:	ug/Kg		

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112327
Units:	ug/Kg	Analyzed:	04/13/06
Diln Fac:	1.000		

Type: BS Lab ID: QC335546

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	113.5	91	52-152
Isopropyl Ether (DIPE)	25.00	21.83	87	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	24.43	98	76-133
Methyl tert-Amyl Ether (TAME)	25.00	22.77	91	74-120
1,1-Dichloroethene	25.00	22.83	91	79-132
Benzene	25.00	23.60	94	80-120
Trichloroethene	25.00	24.67	99	80-121
Toluene	25.00	24.20	97	80-120
Chlorobenzene	25.00	24.77	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	92	80-126

Type: BSD Lab ID: QC335547

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	104.8	84	52-152	8	36
Isopropyl Ether (DIPE)	25.00	20.51	82	65-128	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.08	92	76-133	6	20
Methyl tert-Amyl Ether (TAME)	25.00	21.18	85	74-120	7	20
1,1-Dichloroethene	25.00	23.41	94	79-132	3	20
Benzene	25.00	23.29	93	80-120	1	20
Trichloroethene	25.00	24.88	100	80-121	1	20
Toluene	25.00	24.30	97	80-120	0	20
Chlorobenzene	25.00	24.32	97	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	91	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC335548	Batch#:	112327
Matrix:	Water	Analyzed:	04/13/06
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
RL= Reporting Limit

82.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Volatile Organics

Lab #:	185958	Location:	Wadler Property
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-65	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC335548	Batch#:	112327
Matrix:	Water	Analyzed:	04/13/06
Units:	ug/Kg		

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	94	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-126

ND= Not Detected
RL= Reporting Limit