ConocoPhillips

ConocoPhillips Company
1230 W. Washington Street, Suite 212
Tempe, AZ 85281

November 6, 2006

Mr. Donald Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RE: Document Transmittal
Fuel Leak Case
76 Station # 7004
15599 Hesperian Blvd., San Leandro, CA

Dear Mr. Hwang:

Please find attached SECOR's *Quarterly Status and Remediation Summary Report - Third Quarter 2006* dated November 6, 2006 for the above referenced site. I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report are true and correct.

If you have any questions or need additional information, please call me at (602) 452-2507.

Sincerely,

James F. Trotter

James F. Trotter
Site Manager
Risk Management & Remediation
ConocoPhillips Company

Enclosure

cc: Diane Barclay, SECOR

SECOR

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November 6, 2006

Mr. Donald Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502

RE: Quarterly Status and Remediation Summary Report – Third Quarter 2006
SECOR Project No.: 77CP.01631.00.0304

Dear Mr. Hwang:

On behalf of ConocoPhillips, SECOR International Incorporated (SECOR) is forwarding the quarterly summary report for the following location:

Service Station	Location
Former 76 Service Station No. 7004	15599 Hesperian Boulevard San Leandro, California

If you have questions or comments regarding this quarterly summary report, please do not hesitate to contact me at (916) 861-0400.

Sincerely,
SECOR International Incorporated

Diane M. Barclay

Diane M. Barclay
Senior Geologist, C.H.G.

Attachments: SECOR's *Quarterly Status and Remediation Summary Report – Third Quarter 2006*

cc: Mr. Thomas Kosel, ConocoPhillips
Ms. Rebecca Seevers, Target Corporation – Environmental Services, 33 South 6th Street, CC—3425 Minneapolis, MN 55402
Mr. Alan Guttenberg, Guttenberg, Rapson and Colvin LLP, 101 Lucas Valley Road Suite 216, San Rafael, CA 94903
Mr. Gary Ragghianti, Ragghianti Freitas LLP, 874 Fourth Street, Suite D, San Rafael CA 94901
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Mr. Michael DiGeronimo, Esq., Miller Starr & Regalia, 1331 N. California Blvd., Fifth Floor, Walnut Creek, CA 94596
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QUARTERLY STATUS AND REMEDIATION SUMMARY REPORT
Third Quarter 2006

76 Service Station No. 7004
15599 Hesperian Blvd
San Leandro, CA

City/County ID #: San Leandro

County: Alameda

SITE DESCRIPTION

The site is located at the northwest corner of Hesperian Boulevard and Lewelling Boulevard in San Leandro, California. The site is a former 76 Service Station which was abandoned in May of 2000. At that time, the subsurface tanks, piping and aboveground components were removed. The station building was converted into a Kragen auto parts store, but is no longer open as a retail store, and is currently used by the adjacent Target store for storage. The site is currently within a paved parking lot in a Target department store complex. Currently, TRC performs quarterly monitoring and sampling of ten monitoring wells and one recovery well at the above referenced site (Attachment 1).

PREVIOUS ASSESSMENT

In October 1990, Kaprealian Engineering, Inc (KEI) observed the removal of three single-walled underground storage tanks (USTs) and removal and replacement of product piping at the site. The tanks included one steel 12,000-gallon super unleaded fuel tank and two steel 12,000-gallon regular unleaded fuel tanks, and were replaced with two double-walled 12,000-gallon USTs. No holes or cracks were observed in the tanks. Fifteen confirmation soil samples were collected from the tank pit and analyzed for total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil samples collected from the final tank excavation contained up to 30 parts per million (ppm) TPHg, 0.054 ppm benzene, 0.047 ppm toluene, 0.46 ppm ethylbenzene, and 0.054 ppm xylenes. A water sample collected from the tank pit contained 4,300 parts per billion (ppb) TPHg, 40 ppb benzene, 1.9 ppb toluene, 0.54 ppb ethylbenzene, and 520 ppb xylenes. Samples collected from the final pipeline trenches contained up to 20 ppm TPHg, 0.015 ppm benzene, 0.15 ppm toluene, 0.13 ppm ethylbenzene, and 1.3 ppm xylenes (KEI, 1990). The former USTs were replaced with two 12,000-gallon, double-walled, glasteel unleaded USTs within the same excavation (GR, 2000).

In April and July 1991, KEI supervised the installation of six 2-inch diameter monitoring wells (MW1 through MW6). Groundwater was encountered at depths of 16.5 to 20.5 feet below ground surface (bgs). The wells were completed to 25 to 26 feet bgs. Selected soil samples and grab groundwater samples from each well were analyzed for TPHg and BTEX. Soil samples contained up to 4,800 parts per million (ppm) TPHg and 23 ppm benzene, 9.1 ppm toluene, 63 ppm ethylbenzene, and 290 ppm xylenes (17.5 feet bgs in MW3). Post development groundwater samples from these wells contained up to 34,000 ppb TPHg and 6,100 ppb benzene (MW3; KEI, 1991a and KEI 1991b).

In December 1991, KEI conducted water recovery tests in wells MW-3 and MW-5. The tests indicated a minimal influence in water levels. KEI installed recovery well RW-1 in April 1992 (KEI, 1992a).

In May 1992, KEI conducted an aquifer test using RW-1 for extraction and MW-2, MW3, MW4, and MW5 for observation. The saturated zone was described as semi-confined, and aquifer parameters evaluated from the test were as follows:

- Transmissivity: 16-700 ft^2/day
- Storativity: $6.3E^{-6}$ - $1.4E^{-2}$
- Hydraulic Conductivity: 0.3 ft/day to 76 ft/day (KEI, 1992b)

Pacific Environmental Group (PEG) performed a water supply well survey within a ¼-mile radius of the site. Four documented wells were identified, including two domestic irrigation wells, one industrial well, and one well of unknown use. The closest of these wells was approximately 2000 feet south of the site (PEG, 1996).

In May 2000, Gettler-Ryan (GR) observed the removal of two 12,000-gallon, double-walled glasteel USTs and fiberglass product piping and dispensers at the site. The USTs were in good condition with no observed cracks or holes. At this time, station-related structures were also demolished and removed. Four soil samples were collected from the tank pit excavation, and four were collected from the pipeline trenches. The samples were analyzed for TPHg, BTEX, and methyl tertiary butyl ether (MTBE). Tank pit samples contained up to 350 ppm TPHg, 4.8 ppm ethylbenzene, and 0.81 ppm xylenes, but were non-detectable for benzene and MTBE. Pipeline trench samples were non-detectable for the analytes requested. Oxygen releasing compound (360 pounds) was placed in the bottom of the UST pit during tank removal (GR, 2000).

In 2001 GR conducted a limited Phase I Environmental Assessment to assess the potential for environmental impact to the site from current or past usage or other properties in the vicinity. Six petroleum hydrocarbon impacted sites were identified within ¼-mile of the site (GR, 2001a).

In 2001 GR performed a ½-mile radius well survey, and found that three domestic wells were present within 2,500 feet of the site. Two of the wells were located 1,650 and 2,300 feet potentially down gradient of the site. The third was located approximately 2,275 feet upgradient. GR recommended that the site be considered for low-risk case closure (GR, 2001b).

In November 2001, SECOR conducted a 5 day dual phase extraction (DPE) test at the site. The test utilized MW-3 and RW-1 for extraction. During the test, applied vacuum was approximately 25 inches of mercury, vapor extraction flow rates ranged from approximately 20 to 155 cubic feet per minute, and groundwater extraction flow rates ranged from 0.25 to 3.0 gallons per minute. Influent vapor concentrations dropped from a high of 5,200 parts per million by volume (ppmv) TPHg at the start of the test to 440 ppmv TPHg at the end of test. Based on the data collected during the test, approximately 36.55 pounds of vapor phase TPHg, 0.56 pounds of vapor phase benzene, and 0.47 pounds of vapor phase

MTBE were removed from the subsurface. The radius of influence was estimated at 15 to 55 feet for MW-3 and 48 to 85 feet for RW-1 (SECOR, 2002).

In September 2002, Gettler-Ryan drilled and sampled five direct push soil borings (G-1 through G-5) in the vicinity of the Kragen Auto Parts building and the former USTs. Soil and groundwater samples were collected from each boring and analyzed for TPHg, BTEX, and fuel oxygenates. Soil samples were below detection for the analytes requested, except for sample GP-3 @13.5 feet which contained 0.051 mg/kg MTBE and 0.083 mg/kg tertiary butyl alcohol (TBA). Groundwater samples contained up to 96,000 ppb TPHg (G-4W), 4,300 ppb ethylbenzene (G-5W), 300 ppb TBA (G-3W), and 360 ppb MTBE (G-5W) (GR, 2002).

In March 2005, SECOR performed a preferential pathway survey to delineate underground utilities with the potential to transport groundwater beneath the site. Utilities were identified to be underground at depths ranging from 20 inches bgs to 4 feet bgs. Off-site utilities, including sewer and storm drain, were identified on the east side of Hesperian Boulevard between 6 and 7 feet bgs. The groundwater level over the last five years had varied from 12 to 16 feet bgs. Data presented did not identify utilities and associated utility trenches with the potential to act as a preferential groundwater pathway, based on historical depths to groundwater (SECOR, 2005a).

In August 2005, SECOR conducted an investigation at the site which included drilling and sampling 23 direct push soil borings (SB-1 through SB-23), at total depths of 19 feet bgs to 28 feet bgs. Soil and groundwater samples were collected from each boring and analyzed for TPHg, BTEX, and fuel oxygenates. Laboratory analysis of the soil samples indicated detections for the requested constituents in 7 of the 23 soil borings at maximum concentrations of 0.024 mg/kg ethylbenzene (SB-21), 0.022 MTBE (SB-18), and 0.024 mg/kg TBA (SB-18). Groundwater samples contained up to 4,100 µg/L TPHg (SB-17), 14 µg/L benzene (SB-21), 1.4 µg/L toluene (SB-4), 340 µg/L ethylbenzene (SB-21), 9.4 µg/L xylenes (SB-4), 180 µg/L MTBE (SB-4), 71 µg/L TBA (SB-17), and 1,100 µg/L ethanol (SB-4; SECOR, 2005b).

In January 2006, SECOR advanced an additional 14 soil borings (SB24 through SB-37) and installed an additional 4 groundwater monitoring wells (MW-7 through MW-10). At least one soil sample was collected from each borehole, and groundwater samples were collected from the boreholes except SB24, SB25, SB26, SB28, and SB31. The samples were analyzed for TPHg, BTEX, fuel oxygenates, and lead scavengers. Maximum concentrations in the soil were reported as 46 mg/kg TPHg (SB-30 at 5.5 feet bgs), 0.29 mg/kg toluene (SB-30 at 5.5 feet bgs), 1.2 mg/kg ethylbenzene (SB-30 at 2.5 feet bgs), 7.8 mg/kg xylenes (SB-30 at 2.5 feet bgs), 0.0058 mg/kg MTBE (SB-34 at 19 feet bgs), and 0.010 mg/kg TBA (SB-24 at 2.5 feet bgs). No detectable concentrations of benzene, DIPE, TAME, ETBE, ethanol, 1,2-DCA, or ethylene dibromide (EDB) were reported (SECOR, 2006a).

In April 2006, SECOR prepared a startup report for the portable DPE system at the site (SECOR, 2006b). The system was started on March 20, 2006, and continues to operate.

In June 2006, SECOR prepared a work plan for additional offsite assessment (SECOR 2006c). This work was proposed in the event that additional assessment to the southeast became necessary.

In October 2006, SECOR submitted the results of a human health risk assessment (SECOR, 2006d). Based on the current and future land use, which consisted of and would likely remain primarily commercial/industrial in nature, SECOR evaluated the following exposure pathways: (1) commercial/industrial workers' and customers' inhalation of vapors emanating from soil and/or groundwater to indoor and outdoor air, and (2) direct contact of commercial/industrial workers with shallow impacted soil (less than 10 feet bgs). Results of the human health risk assessment indicated that residual petroleum hydrocarbons, MTBE, and tertiary butyl alcohol (TBA) in soil, groundwater, and soil vapor beneath the site and site vicinity do not pose a risk to human health or the environment (SECOR, 2006d). SECOR evaluated natural attenuation and migration of the dissolved MTBE plume beneath the site and site vicinity using the BIOSCREEN model. Three scenarios were examined: (1) solute transport with no decay, (2) solute transport with first order decay, and (3) solute transport with instantaneous biodegradation reaction. Results of the modeling indicated that the downgradient wells would not be impacted by the migration of the dissolved MTBE plume within at least 200 years (SECOR, 2006d).

The site has been monitored and sampled since the 2nd quarter, 1991. Between 1991 and 1995, monitoring was conducted quarterly. Between 1996 and 2001, the site was monitored semiannually. From January 2002 to July 2003, the site was monitored monthly. Currently, ten wells (MW-1 through MW-10 and RW-1) are sampled quarterly. Samples are analyzed for total purgeable petroleum hydrocarbons (TPPH), BTEX, and fuel oxygenates. The groundwater gradient has been mainly to the southwest and east-southeast, with variations to the north/northeast and northwest.

SENSITIVE RECEPTORS

Pacific Environmental Group (PEG) performed a water supply well survey within a ¼-mile radius of the site. Four documented wells were identified, including two domestic irrigation wells, one industrial well, and one well of unknown use. The closest of these wells was approximately 2000 feet south of the site (PEG, 1996). In 2001, GR performed a ½ mile radius well survey for the site. The survey identified three domestic water supply wells located within 2,500 feet of the site. One of the wells was located 2,275 feet from the site in the upgradient direction. Two of the wells were located within 2,300 feet of the site in the downgradient direction.

SECOR performed an updated sensitive receptor survey during the fourth quarter 2006. Results of this survey will be submitted with the no further action required request

MONITORING AND SAMPLING

The site has been monitored and sampled since the second quarter 1991. Between 1991 and 1995, monitoring was conducted quarterly. Between 1996 and 2001, the site was monitored semiannually. From January 2002 to July 2003, the site was monitored monthly. Currently, eleven wells (MW-1 through MW-10, and RW-1) are sampled quarterly. Groundwater samples from the eleven wells are analyzed for total purgeable petroleum hydrocarbons (TPPH), BTEX, MTBE, TBA, and ethanol by EPA Method 8260B, and groundwater samples from monitoring wells MW-7 through MW-10 are additionally analyzed for the fuel oxygenates ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA), di-isopropyl ether DIPE), ethyl tertiary butyl ether (ETBE) and tertiary amyl ether (TAME) by EPA Method 8260B.

During the third quarter 2006, depth to groundwater ranged between 12.32 and 13.83 feet bgs. The groundwater flow direction this quarter was to the northwest at an average gradient of 0.01 foot/foot. Historically, the flow direction has varied, but has been predominantly to the southwest (5 events) and the east-southeast (6 events). The average groundwater gradient has been 0.005 foot/foot. Historical groundwater gradients and flow directions are included in Table 1 and illustrated on Figure 1.

Laboratory analysis of groundwater samples collected from the eleven site wells is summarized below:

Constituents	Number of Detections Above PQL of the Samples Collected	Minimum Concentration * (Sample ID)	Maximum Concentration * (Sample ID)
TPPH	4 / 11	56 (RW-1)	2,900 (MW-3)
Benzene	2 / 11	0.75 (MW-3)	1.2 (MW-5)
Toluene	1 / 11	1.2 (MW-3)	1.2 (MW-3)
Ethylbenzene	2 / 11	5.0 (MW-5)	57 (MW-3)
MTBE	7 / 11	0.90 (MW-3)	31 (MW-5)

Explanations:
PQL = Practical quantitation limit
TPPH = Total purgeable petroleum hydrocarbons
MTBE = Methyl tertiary butyl ether
* = Concentrations are reported in units of µg/L, unless otherwise noted

DISCUSSION

The groundwater gradient evaluation included depth to water information from MW-5, which according to TRC's notes was gauged after purging and sampling the other site wells. The water elevation from MW-5 may not be representative of the pre-purge groundwater surface in this well; however, because this only occurred in one well and the water elevation was similar to nearby wells, SECOR believes that this had a negligible effect on the results.

Between the second quarter 2006 and the third quarter 2006, dissolved phase hydrocarbon concentrations generally decreased, with the following exceptions: a slight increase in

benzene in well MW-3, a slight increase in ethylbenzene in MW-5, a slight increase in TPPH in MW-7, and increases in MTBE concentrations in wells MW-1, MW-2, MW-3, MW-6, and MW-8 (which were all reported as non-detect for MTBE during the second quarter 2006).

In general, due in part to the DPE and other remedial efforts at the site, a historical trend of decreasing dissolved-phase hydrocarbons has been seen at the site. More recently, MTBE concentrations have remained relatively stable around 10 µg/L. The highest dissolved phase concentrations of TPPH at the site remain in monitoring well MW-3, and the highest dissolved-phase concentrations of benzene and MTBE are in well MW-5. Although increases in MTBE concentrations were observed, only the concentrations in wells MW-2, MW-5, and MW-8 were greater than the secondary maximum contaminant limit (MCL) of 5 µg/L, and only the concentration in well MW-5 was above the primary MCL of 13 µg/L, as established by the California Department of Health Services.

CHARACTERIZATION STATUS

Based on the results of recent assessments, residual concentrations of petroleum hydrocarbons and fuel oxygenates within the source area (former USTs) and vicinity have naturally attenuated over time and are relatively low, and the lateral extent of impacts in soil have been delineated. The vertical extent of impact in soil has been delineated with the non-detectable results from the sample from boring SB-10 at 28 feet bgs. The majority of petroleum hydrocarbon mass within the source area was removed during the removal and replacement of the USTs in October 1990.

Review of groundwater analytical results from groundwater monitoring events, soil boring assessments, and the recent installation of additional groundwater monitoring wells (MW-7 through MW-10) indicated that the lateral extent of TPHg, BTEX, and MTBE has been delineated by relatively low to non-detectable concentrations in borings G-1, SB-6, SB-7, SB-9, wells MW-1 and MW-2 to the north, borings SB-11 through SB-16 and well MW-6 to the east and south, and borings SB-1 through SB-4, SB-16, SB-32, and SB-33 to the west and southwest. Grab samples from borings SB-34 through SB-37, and recently installed wells MW-7 and MW-10, which are situated further to the west/southwest, contained relatively low levels of MTBE up to a maximum concentration of 57 µg/L. Groundwater samples collected following purging from wells MW-7 and MW-10 during the second and third quarter 2006, which may be considered more representative of subsurface conditions, contained low levels of TPHg (95 µg/L in MW-7, third quarter 2006) and MTBE (17 µg/L in MW-7 and 3.9 µg/L in MW-10 in the second quarter 2006).

REMEDIAL PERFORMANCE SUMMARY

Oxygen releasing compound was placed in MW-5 in 1999. Oxygen releasing compound (360 pounds) was also placed in the bottom of the UST pit during the tank removal in 2000.

SECOR performed a DPE Pilot Test at the site on November 5 through November 10, 2001. DPE was performed using a 20-hp liquid-ring vacuum pump connected to an H2Oil Thermal Oxidizer (Therm-ox) for abatement of the extracted soil vapors prior to discharge to the atmosphere. DPE tests were performed on well MW-3 for 5.5 hours, RW-1 for 14

hours, and simultaneously on wells MW-3 and RW-1 for 72 hours. The total DPE time was approximately 100 hours. Applied vacuum was approximately 25 inches of mercury, and maximum vapor flow rates ranged from 51.25 cubic feet per minute (cfm) for MW-3 to 155.22 cfm for MW-3 plus RW-1. Groundwater extraction flow rates ranged from 0.05 to 0.5 gallons per minute. Influent vapor concentrations ranged from 5,200 parts per million by volume (ppmv) of TPHg, 150 ppmv of benzene, and 370 ppmv of MTBE at the start of the test (from well RW-1) to 440 ppmv of TPHg, 1.2 ppmv of benzene, and 8.1 of ppmv MTBE near the end of the test (well RW-1). Based on influent vapor concentrations, average flow rates, and the duration of the test an estimated 36.55 pounds of TPHg, 0.56 pounds of benzene, and 0.47 pounds of MTBE were removed from the subsurface. The estimated radii of influence for MW-3 and RW-1 ranged from 15 to 55 feet and 48 to 85 feet, respectively.

SECOR installed a portable DPE system during the first quarter of 2006. The DPE system well network consists of wells MW-3, MW-5, and RW-1. The DPE system consists of a 100-gallon liquid/vapor separator, a Solleco 350- standard cubic feet per minute (scfm) thermo/catalytic oxidizer with a Travani 25-hp liquid ring pump, a 6,500 gallon Baker tank with secondary containment, and a 1,000 gallon propane tank for the generator and abatement of the oxidizer. The system was connected to electrical power from the vacant Kragen building on July 25, 2006. The system operates under Bay Area Unified Air Quality Management District Permit to Operate (PTO) for Plant #13708, issued on October 26, 2005. Currently, the DPE system is operating at the site, and will continue to operate during the fourth quarter of 2006 until permission is granted to shut the system down.

The system was started up on March 20, 2006. Near the end of the Third quarter 2006, the system had removed approximately 397,450 gallons of groundwater from beneath the site. During the third quarter 2006, the DPE system was approximately 89% operational, and ran for approximately 1451 hours.

On July 11, August 1, and September 5, 2006, samples were collected from the groundwater influent. After collection, the samples were placed in an ice chilled cooler for transport under chain-of-custody (CoC) documentation to a California State-certified analytical laboratory (Severn-Trent). The samples were analyzed for TPHg, benzene, toluene, ethylbenzene, total xylenes, MTBE, DIPE, ETBE, TAME, TBA, ethanol, 1,2-DCA, and EDB by EPA Method 8260.

On July 11, 2006, laboratory vapor samples were collected from the well field influent and oxidizer effluent vapor streams for analysis of TPHg, benzene, toluene, ethylbenzene, total xylenes, and MTBE under EPA Method TO-3. The air samples were sent under CoC documentation to a California State-Certified analytical laboratory (Severn-Trent). On July 17, laboratory samples were collected from MW-3, MW-5, and RW-1 influent streams for SECOR's *No Further Action Analysis and Human Health Risk Assessment* report, dated October 5, 2006. These samples were analyzed for TPHg, benzene, toluene, ethylbenzene, total xylenes, and MTBE by EPA Method 8260. On August 1, and September 5, 2006, laboratory vapor samples were collected from the well field influent and oxidizer effluent vapor streams for analysis of TPHg, benzene, toluene, ethylbenzene, total xylenes, and MTBE under EPA Method 8260. The air samples were sent under COC documentation to a California State-Certified analytical laboratory (Severn-Trent).

During the third quarter 2006, through groundwater extraction (GWE), the system removed an approximate total of 0.076 pounds (0.0012 gallons) of TPHg, 0.015 pounds (0.002 gallons) of MTBE, and 0.014 pounds (0.002 gallons) of TBA. Soil vapor extraction (SVE) removed approximately 4.74 pounds (0.78 gallons) of TPHg, and 0.05 pounds (0.01 gallons) of MTBE.

Through GWE, a total of approximately 397,450 gallons of water have been removed since system start-up. The DPE system (GWE and SVE combined) has removed approximately 6.793 pounds (1.11 gallons) of TPHg, 0.154 pounds (0.025 gallons) of MTBE, and 0.023 pounds (0.003 gallons) of TBA.

DPE system operation and analytical data are presented in Tables 2 through 7. Illustrations of chemical concentrations and mass removal versus time are shown on Figures 2 through 5. DPE O&M analytical data and field data sheets are included in Attachment 2.

REMEDIAL PERFORMANCE DISCUSSION

Mass recovery rates from the remediation system are low for feasible DPE and are likely to continue to be low due to residual levels of hydrocarbon constituents in the groundwater and soil vapors. DPE is an effective strategy for removing residual contamination underneath the site; however, influent vapor and groundwater concentrations are low despite a high vapor radius of influence. The low mass removal rates indicate a low mass of contaminants below the site. SECOR recommends shutting the DPE system down during the fourth quarter, and allowing natural attenuation of residual contamination.

During the third quarter 2006, the system was 89% operational. Target recently granted access to electrical power at the vacant Kragen building. On July 25, the generator was removed, and the system was restarted with electrical power accessed from the vacant Kragen building. Downtime for the DPE system was attributed to oil in the generator crankcase, high level shut-offs from the sensors in the receiving tank containing the effluent water, and an air pressure alarm. Extracted groundwater was held on site in a large tank which was emptied and transported offsite daily for proper disposal.

RECENT SUBMITTALS/CORRESPONDENCE

Submitted:

Quarterly Summary and Monitoring Report – Second Quarter 2006, dated August 30, 2006.

No Further Action Analysis and Human Health Risk Assessment, dated October 6, 2006.

WASTE DISPOSAL SUMMARY

The disposal of purged groundwater during the quarterly groundwater monitoring event was documented in TRC's *Quarterly Monitoring Report, July through September 2006,* dated September 20, 2006 (Attachment 1). Approximately 242,690 gallons of water removed by the DPE system were transported by Veolia Environmental Services to the ConocoPhillips

refinery in Rodeo, California. A log of the volume of transported water in contained in Attachment 3.

THIS QUARTER ACTIVITIES (Third Quarter 2006)

1. TRC conducted quarterly groundwater monitoring and sampling.
2. SECOR prepared and submitted quarterly summary report.
3. SECOR operated dual-phase extraction system.
4. SECOR submitted a human health risk assessment and no further action analysis report.

NEXT QUARTER ACTIVITIES (Fourth Quarter 2006)

1. TRC to perform quarterly groundwater monitoring and sampling.
2. SECOR to prepare and submit quarterly summary and monitoring report.
3. SECOR to perform an updated sensitive receptor survey.
4. SECOR to request site closure.

LIMITATIONS

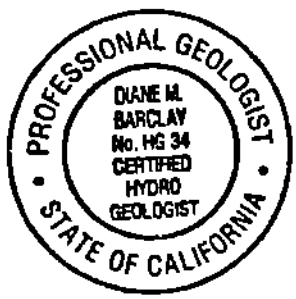
This report has been prepared for the exclusive use of ConocoPhillips and its representatives as it pertains to the property located at 15599 Hesperian Drive, San Leandro, California. The evaluation of subsurface conditions at the site for the purpose of this investigation is inherently limited due to the number of points of investigation. There are no representations, warranties, or guarantees that the results are representative of the entire site. Data from this report reflects the conditions at locations at a specified time. No other interpretation, representations, warranties, guarantees, express or implied, are included or intended in the report findings. SECOR makes no warranties or guarantees for the groundwater monitoring report (Attachment 1) prepared by TRC, and work performed by other consultants.

Sincerely,
SECOR International Incorporated

Matthew Battin
Project Scientist

Diane M. Barclay, C.H.G.
Senior Geologist

Adrian Pérez, P.E.
Associate Engineer



Enclosures:

Figures:	Figure 1	Groundwater Flow Direction Rose Diagram
	Figure 2	Temporary DPE Influent Soil Vapor Concentrations
	Figure 3	Temporary DPE Soil Vapor Mass Recovery
	Figure 4	Temporary DPE Influent Groundwater Concentrations
	Figure 5	Temporary DPE Groundwater Mass Recovery
Tables:	Table 1	Historical Groundwater Gradient and Flow Direction
	Table 2	Temporary Dual Phase Extraction System-Operating Data
	Table 3	Temporary Dual Phase Extraction System - Soil Vapor Influent Analytical Data and Mass Recovery
	Table 4	Temporary Dual Phase Extraction System - Soil Vapor Emissions Data
	Table 5	Temporary Dual Phase Extraction System-Well Status Data
	Table 6	Temporary Dual Phase Extraction System – Groundwater Analytical Data
	Table 7	Temporary Dual Phase Extraction System - Groundwater Mass Recovery
Attachments:	Attachment 1	TRC's *Quarterly Monitoring Report – July Through September 2006*, dated October 18, 2006
	Attachment 2	O&M Analytical Data, Field Data Sheets, and Laboratory Reports
	Attachment 3	Veolia Transportation Log

REFERENCES CITED

Gettler-Ryan, Incorporated. 2000. Underground Storage Tank and Product Piping Removal Report for Former Tosco 76 Service Station No. 7004, 15599 Hesperian Boulevard, San Leandro, California. September 8

Gettler-Ryan, Incorporated. 2001a. Limited Phase I Environmental Site Assessment at Former Tosco (76) Service Station #7004, 15599 Hesperian Boulevard, San Leandro, California. June 8.

Gettler-Ryan, Incorporated. 2001b. Transmittal of Well Survey Results, Site Information Summary, and Request For Closure for the Tosco (76) Service Station No. 7004, 15599 Hesperian Boulevard, San Leandro, California. September 27.

Gettler-Ryan, Incorporated. 2002. Subsurface Investigation Report for Former Tosco (76) Service Station No. No. 7004, 15599 Hesperian Boulevard, San Leandro, California. November 26.

Kaprealian Engineering, Incorporated. 1990. Soil Sampling Report, Unocal Service Station #7004, 15599 Hesperian Boulevard, San Leandro, California, November 26.

Kaprealian Engineering, Incorporated. 1991a. Preliminary Groundwater Investigation at Unocal Service Station #7004, 15599 Hesperian Boulevard, San Leandro, California, May 31.

Kaprealian Engineering Incorporated. 1991b. Continuing Groundwater Investigation at Unocal Service Station #7004, 15599 Hesperian Boulevard, San Leandro, California. August 16.

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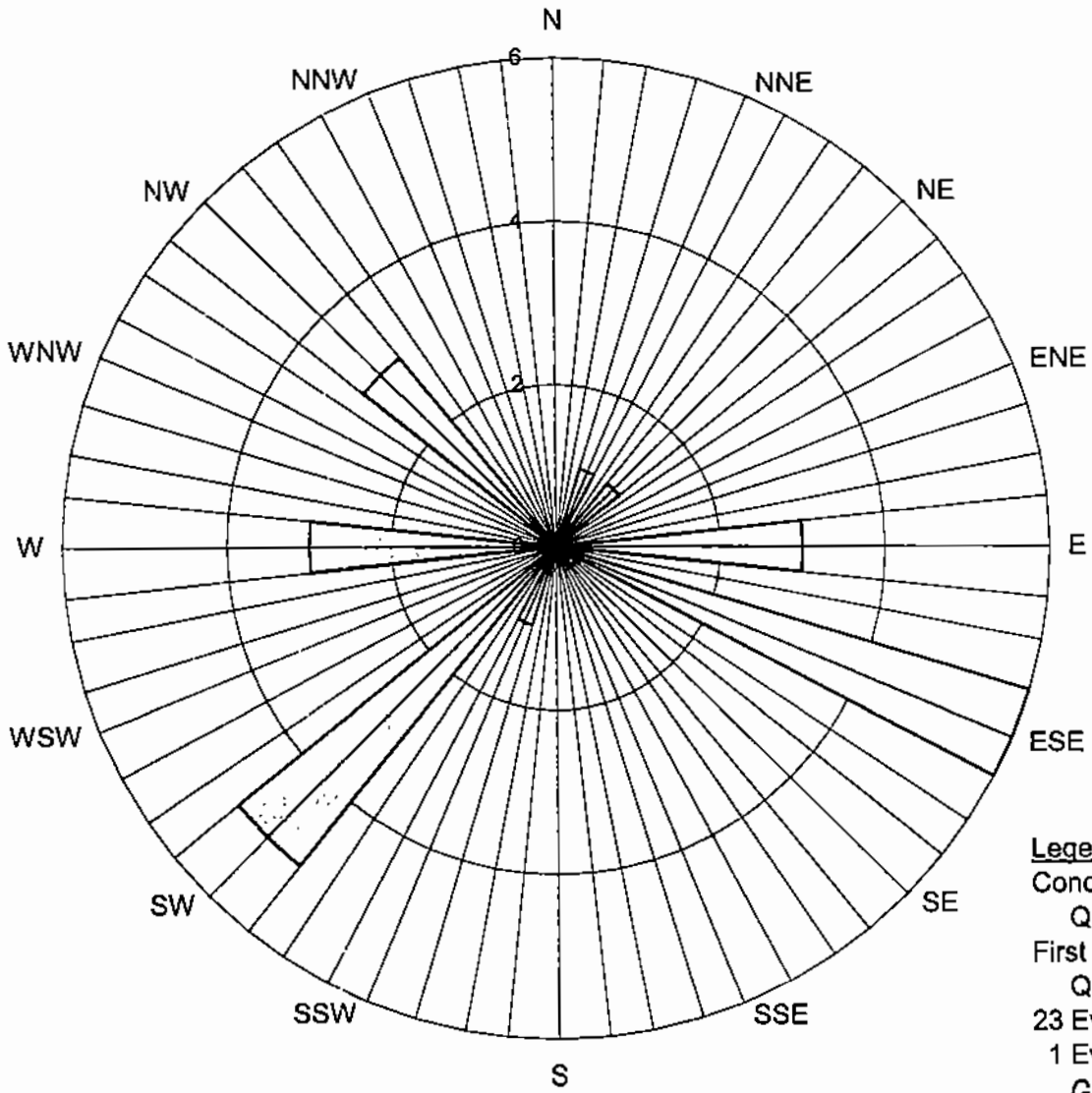
FIGURES

Figure 1
Groundwater Flow Direction Rose Diagram
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California



Legend
Concentric Circles represent Quarterly Montoring Events
First Quarter 1999 through Third Quarter 2006
23 Events Shown
1 Event Had A Radially Inward Gradient

☐ Groundwater Flow Direction

Figure 2
Temporary DPE Influent Soil Vapor Concentrations

CP 7004
15599 Hesperian Blvd
San Leandro, California

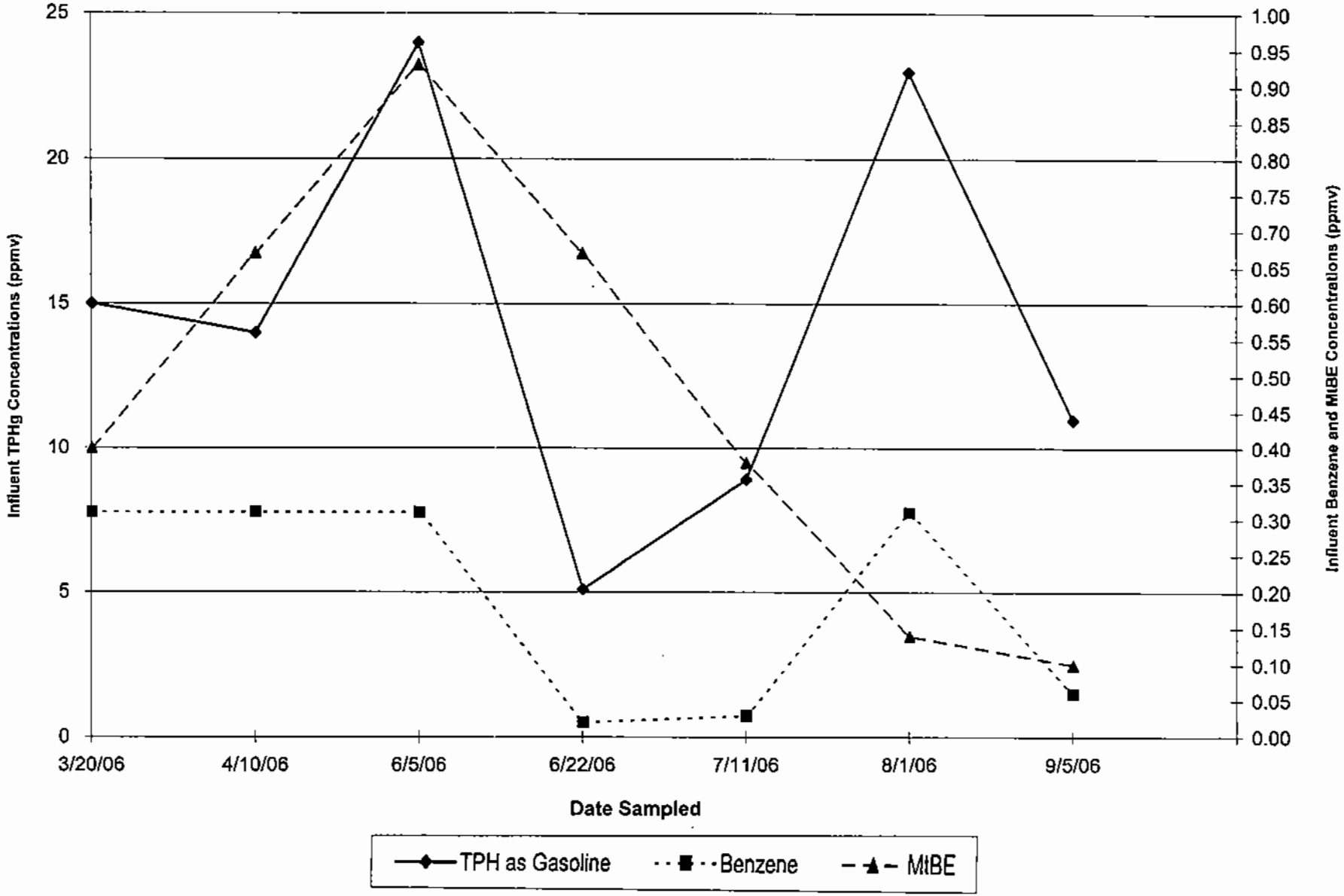


Figure 3
Temporary DPE Soil Vapor Mass Recovery

CP 7004
15599 Hesperian Blvd
San Leandro California

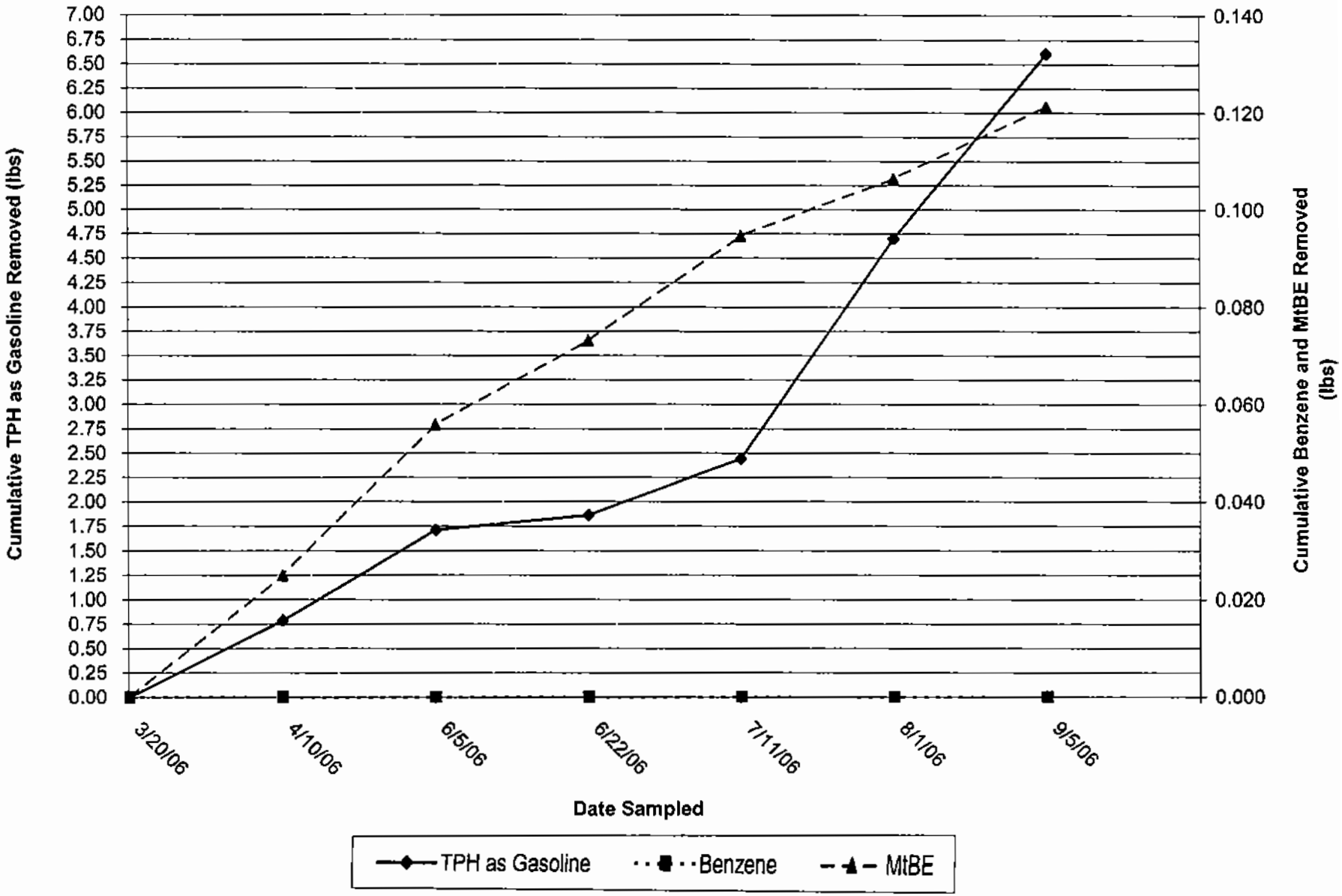


Figure 4
Temporary DPE Influent Groundwater Concentrations

CP 7004
15599 Hesperian Blvd
San Leandro, California

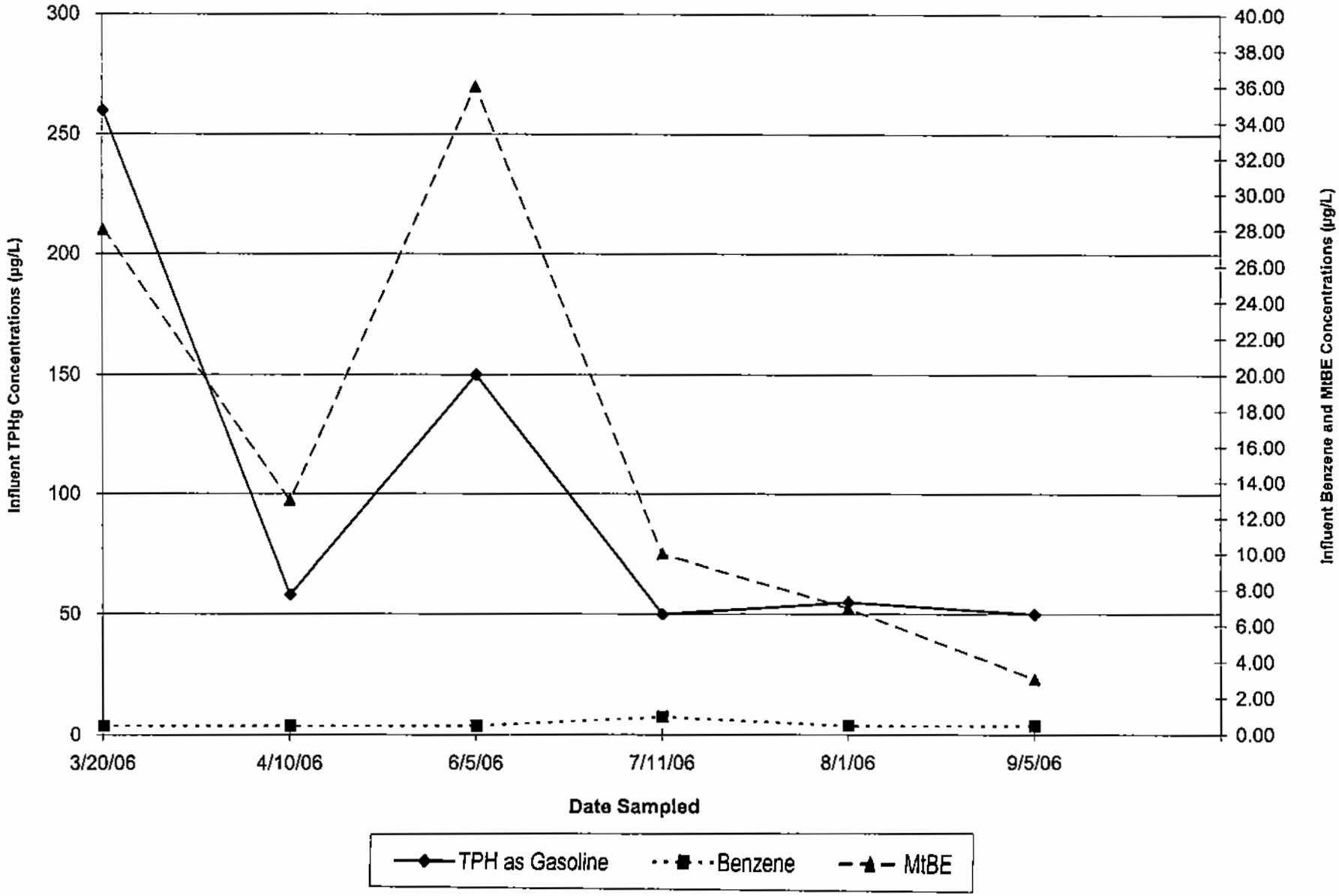


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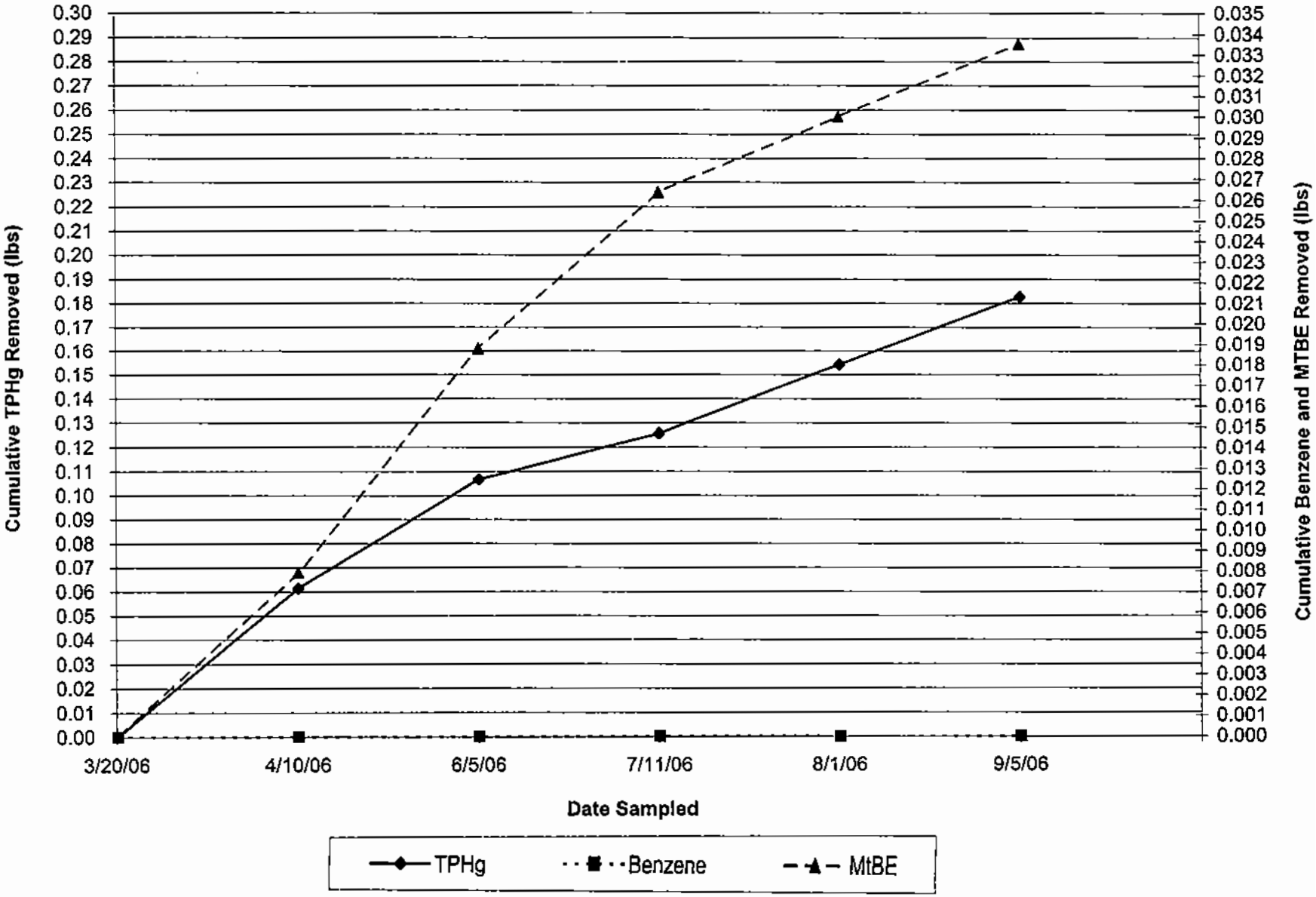
Figure 5
Temporary DPE Groundwater Mass Recovery

CP 7004
15599 Hesperian Blvd
San Leandro, California



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TABLES

TABLE 1
Historical Groundwater Gradient and Flow Direction
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California

Well No.	Monitoring Date	Average GWE (ft msl)	Groundwater Gradient (ft/ft per foot)		Groundwater Flow Direction															
					N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
	01/11/99	22.59	0.003	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	01/04/00	22.56	0.006	--	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	07/15/00	22.92	0.010	--	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	01/19/01	23.37	0.007	--	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	07/31/01	21.89	0.003	--	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	01/28/02	23.38	0.003	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	04/22/02	23.47	0.006	--	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	05/24/02	23.10	0.005	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	08/29/02	22.18	0.003	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	01/24/03	24.26	0.002	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	04/18/03	23.83	0.003	--	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	07/18/03	22.40	0.005	--	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	10/01/03	21.70	0.004	--	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	01/30/04	23.08	0.004	--	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	04/26/04	23.53	0.004	--	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	07/28/04	22.46	0.003	--	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	10/19/04	21.93	0.005	--	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	01/05/05	23.34	0.001	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	06/14/05	24.66	0.003	--	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	09/29/05	23.02	0.003	--	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	12/02/05	22.68	0.006	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	03/21/06	24.74	0.010	--	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	05/25/06	26.09	0.020	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	08/25/06	24.16	0.010	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		23.22	**0.005**	**Average**	**0**	**1**	**1**	**0**	**3**	**6**	**0**	**0**	**0**	**1**	**5**	**0**	**3**	**0**	**3**	**0**

Explanation

Number of Events **24** Events, one with (*) radially inward gradient.

Source: Historical Groundwater Gradient Maps from TRC and Getler-Ryan Inc.

Table 2
Temporary Dual Phase Extraction System-Operating Data

Former 76 Station #7004
15599 Hesperian Blvd
San Leandro, California

Date	Notes	Hourmeter Reading (hours)	Totalizer Reading (gallons)	Well Field Temperature (°F)	System Vacuum (inHg)	Flow Rate (acfm)	Flow Rate (scfm) [1]	MW-3 FID (ppmv)	MW-5 FID (ppmv)	RW-1 FID (ppmv)	Well Field FID (ppmv)	
3/20/06	a	12,076.5	43,900	60	26	57.0	8	51.1	60.2	15.0	60	
3/27/06		12,099.8	54,000	60	26	62.9	9	398	187	17.9	389	
4/10/06	b,c	12,345.4	90,210	60	25	79.5	13	51	365	87.2	59.1	
4/17/06	d	12,464.8	114,700	--	--	--	--	--	--	--	--	
6/1/06	e	12,464.8	114,700	79.1	25	77.2	13	380.2	140.0	14.0	375	
6/5/06	f	12,557.7	126,390	78.1	25	70.1	11	109	75 F/O	25 F/O	100 F/O	
6/9/06		12,581.9	131,450	--	--	--	--	--	--	--	--	
6/12/06		12,604.2	136,030	--	--	--	--	--	--	--	--	
6/22/06	g	12,650.0	145,670	75.2	25	68.2	11	104.2	4.2	7.5	103	
6/26/06	h	12,725.8	159,240	98	25	71.2	11	--	--	--	--	
7/6/06		12,983.1	198,660	70.2	25	69.2	11	39	22	--	20	
7/11/06	j	13,085.4	217,320	70	25	69.2	11	21.2	15.9	9	20	
7/17/06	k	13,123.7	224,120	87.2	25	77.2	12	90 F/O	72.1 F/O	12.5 F/O	80 F/O	
7/25/06	l	13,311.0	254,500	--	--	--	--	--	--	--	--	
8/1/06		13,476.4	279,670	72.1	24	79.9	16	21.2	19.5	11.0	14.7	
8/8/06		13,644.9	301,300	77.2	26	60.2	8	30.5	10.2	5.1	27.1	
8/24/06		14,028.0	383,550	87.2	25	68.0	11	361.5	38.2	66.7	311.5	
8/29/06	m	14,078.5	391,404	59	24	38.8	8	28	4	--	3	
9/5/06		14,247.5	415,990	79.9	24	72.5	14	77.3	54.3	62.1	--	
9/12/06		14,414.0	441,350	87.2	23	81.2	18	71.2	47.5	60.5	65	

REPORTING PERIOD: Third Quarter

Period Operation (hours):	**1,451**
Period Operational (%):	**89%**
Period Extracted (gals):	**242,690**
Period Average Discharge Rate (gpm):	**2.8**
Total Operation (hours):	**2,338**
Total Operational (%):	**55%**
Total Liquid Extracted Historical (gals):	**397,450**
Average Historical Discharge Rate (gpm):	**2.8**

Definitions:

–	Data not available or not applicable
acfm	Actual cubic feet per minute
°F	Degrees Fahrenheit
FID	Flame Ionization Detector
F/O	Flame Out
inHg	Inches of mercury
ppmv	Parts per million by volume
scfm	Standard cubic feet per minute
gals	Gallons
[ ]	Indicates reference to equation
gpm	Gallons Per Minute

Equations:

[1] $$SCFM = \frac{ACFM \cdot T_{std} \cdot (P_{abs})}{(460+T) \cdot P_{atm}}$$

T_{std}	Temperature at standard conditions (528 Rankine)
P_{abs}	Atmospheric pressure at standard conditions minus manifold vacuum (inHg)
P_{atm}	Atmospheric pressure at standard conditions (29.92 inHg).
T	Manifold vapor temperature reading (°F).

Notes:

a = system start-up on 3/20/06
b = effluent reporting limits are assumed as the effluent concentration; vapor control system efficiency equation is not an accurate reflection of actual system efficiency
c = system down and restarted, set slurp tubes to top of casing
d = system down, generator unoperational and needs to be replaced
e = new generator installed and system restarted
f = system down, high level switch on baker tank triggered shut down of system on 6/4/06, system restarted
g = system resampled on 6/21/06 w/ less 10 ppmv reporting limits
h = system down, generator shut down due to high water temperature, system cooled down and restarted
j =system down upon arrival due to oil/water in generator crankcase, system restarted
k =system down upon arrival, high level switch on baker tank triggered shut down, system restarted
l =new PG&E electrical connection installed and generator removed
m =system down upon arrival due to air pressure alarm, system restarted

Permits:

·Air emissions are permitted under Bay Area Air Quality Management District Application Number 13031 and MTS Plant Number 13708.

Table 3
Temporary Dual Phase Extraction System - Soil Vapor Influent Analytical Data and Mass Recovery

Former 76 Station #7004
15599 Hesperian Blvd
San Leandro, California

Date Sampled	Sample ID	Notes	Hour Meter Reading (hours)	Well Field Flow Rate (scfm)	Influent Concentrations							TPHg Recovery			Benzene Recovery			MtBE Recovery		
					TPHg (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	MtBE (ppmv)	VOC (ppmv)	Recovery Rate (lbs/day) [1]	Period Net Recovery (lbs) [2]	Cumulative Recovery (lbs) [3]	Recovery Rate (lbs/day) [1]	Period Net Recovery (lbs) [2]	Cumulative Recovery (lbs) [3]	Recovery Rate (lbs/day) [1]	Period Net Recovery (lbs) [2]	Cumulative Recovery (lbs) [3]
3/20/2006	INF		12076.5	12	15	<0.31	<0.26	<0.23	<0.23	0.40	16.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4/10/2006	INF		12,345.4	13	<14	<0.31	<0.26	0.27	<0.23	0.67	15.74	0.07	0.79	0.79	0.00	0.00	0.00	0.00	0.03	0.03
6/5/2006	INF		12,557.7	11	24	<0.31	<0.26	<0.23	<0.23	0.93	25.24	0.10	0.92	1.71	0.00	0.00	0.00	0.00	0.03	0.06
6/22/2006	INF		12,725.8	11	5.1	<0.02	0.031	<0.02	<0.02	0.67	5.66	0.02	0.15	1.86	0.00	0.00	0.00	0.00	0.02	0.07
7/11/2006	INF		13,085.4	11	8.9	0.029	0.051	0.14	0.030	0.38	9.53	0.04	0.58	2.45	0.00	0.00	0.00	0.00	0.02	0.09
8/1/2006	INF		13,476.4	16	23.0	<0.31	<0.26	<0.23	<0.23	<0.14	23.45	0.14	2.26	4.70	0.00	0.00	0.00	0.00	0.01	0.11
9/5/2006	INF		14,247.5	14	11.0	<0.06	<0.05	<0.05	0.05	0.10	11.21	0.06	1.90	6.61	0.00	0.00	0.00	0.00	0.01	0.12
REPORTING PERIOD: Third Quarter																				
Period Pounds Removed [4]:													4.74			0.00			0.05	
Period Gallons Removed [5]:													0.78			0.00			0.01	
Total Pounds Removed [6]:													6.61			0.00			0.12	
Total Gallons Removed [7]:													1.08			0.00			0.02	

Definitions:

lbs	Pounds
MtBE	Methyl tert-butyl ether
ppmv	Parts per million by volume
scfm	Standard cubic feet per minute
TPHg	Total petroleum hydrocarbons as gasoline
VOC	Volatile organic compound

Notes:

Molecular Weights:

TPHg	102 g/mol
Benzene	78 g/mol
MtBE	88 g/mol

Densities:

Density of Gasoline = 6.1 lb/gal
Density of Benzene = 7.4 lb/gal
Density of MtBE = 6.18 lb/gal

Equations:

[1] $$\text{Recovery Rate}\left(\frac{lb}{day}\right) = \frac{\text{Concentration (ppmv)} \cdot \text{Molecular Weight} \cdot \text{Flow}\left(\frac{ft^3}{min}\right) \cdot 60\left(\frac{min}{hour}\right) \cdot 24\left(\frac{hour}{day}\right)}{V_{ideal}\,(ft^3) \cdot 10^6}$$

[2] $$\text{Period Net Recovery (lbs)} = \frac{\text{Recovery Rate}\left(\frac{lb}{day}\right) \cdot (\text{Hour Meter Reading}_{\,i} - \text{Hour Meter Reading}_{\,i-1})(\text{hour})}{24\left(\frac{hour}{day}\right)}$$

[3] $$\text{Cumulative Recovery (lbs)} = \sum \text{Period Net Recovery (lbs)}$$

[4] $$\text{Period Pounds Removed (lbs)} = \text{Reporting Period Net Recovery (lbs)}$$

[5] $$\text{Period Gallons Removed (gallons)} = \frac{\text{Period Pounds Removed (lbs)}}{\text{Density}\left(\frac{lb}{gal}\right)}$$

[6] $$\text{Total Pounds Removed (lbs)} = \text{Cumulative Recovery (lbs)}$$

[7] $$\text{Total Gallons Removed (gallons)} = \frac{\text{Total Pounds Removed (lbs)}}{\text{Density}\left(\frac{lb}{gal}\right)}$$

V_{ideal} = Volume of 1.0 mole of an ideal gas is 386.6 ft^3 at 70° F and 29.92 inHg

Table 4
Temporary Dual Phase Extraction System - Soil Vapor Emissions Data

Former 76 Station #7004
15599 Hesperian Blvd
San Leandro, California

Date Sampled	Sample ID	Notes	Hour Meter Reading (hours)	Total System Flow Rate (scfm)	TPHg (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	MTBE (ppmv)	VOC (ppmv)	VOC Emissions Rate (lbs/day)	VOC Emissions Cumulative Emissions (lbs)	Benzene Emissions Rate (lbs/day)	Benzene Emissions Cumulative Emissions (lbs)
3/20/2006	EFF	a,b	12,076.5	12	<14	<0.31	<0.26	<0.23	<0.23	<0.14	15.17	0	0	0	0
4/10/2006	EFF		12,345.4	13	<14	<0.31	<0.26	<0.23	<0.23	<0.14	15.17	0.07	0.82	0.001	0.01
6/5/2006	EFF		12,557.7	11	<14	<0.31	<0.26	<0.23	<0.23	<0.14	15.17	0.07	1.46	0.001	0.02
6/22/2006	EFF	c	12,725.8	11	**1.8**	<0.020	**0.022**	<0.020	<0.020	<0.020	1.90	0.01	1.59	0.000	0.02
7/11/2006	EFF		13,085.4	11	**2.4**	**0.030**	**0.040**	<0.020	**0.025**	<0.020	2.54	0.01	1.83	0.000	0.03
8/1/2006	EFF		13,476.4	16	<5	<0.31	<0.26	<0.23	<0.23	<0.14	6.17	0.04	2.99	0.001	0.07
9/5/2006	EFF		14,247.5	14	<1.0	<0.062	<0.052	<0.046	<0.046	<0.028	1.23	0.01	3.31	0.000	0.08

Definitions:

lbs	Pounds
MTBE	Methyl tert-butyl ether
ppmv	Parts per million by volume
scfm	Standard cubic feet per minute
TPHg	Total petroleum hydrocarbons as gasoline
VOCs	Total Number of Volatile organic compounds

Permit Conditions (Application No. 13031):

VOC Control Efficiency > 98.5% (For inlet concetrations ≥ 2000 ppmv)
VOC Control Efficiency > 97% (For inlet concetrations ≥ 200 ppmv and < 2000 ppmv)
VOC Control Efficiency > 90% (For inlet concetrations < 200 ppmv)
VOC Control Efficiency Waived for Outlet Efficiencies < 10 ppmv

Notes:

a = system start-up
b = effluent reporting limits are assumed as effluent concentration; vapor control system efficiency is not an accurate reflection of system efficiency
c = outlet efficiencies less than 10 ppmv
* Detection limits assumed to provide a maximum estimate for vapor emissions to the atmosphere, which is a conservative estimate

Table 5
Temporary Dual Phase Extraction System-Well Status Data

CP 7004
15599 Hesperian Blvd
San Leandro, California

		MW-3						MW-5						RW-1					
Date	Notes	Status (% Open)	System Vacuum (in Hg)	Well Vacuum (In Hg)	Slurp Tube Depth	Flow Rate (gpm)	FID (ppmv)	Status (% Open)	System Vacuum (in Hg)	Well Vacuum (In Hg)	Slurp Tube Depth	Flow Rate (gpm)	FID (ppmv)	Status (% Open)	System Vacuum (in Hg)	Well Vacuum (in Hg)	Slurp Tube Depth	Flow Rate (gpm)	FID (ppmv)
3/20/2006		C	--	--	--	--	--	O-100	25	25	20	3	60	C	--	--	--	--	--
3/27/2006		O-100	26	25	TOC	3.9	389	C	--	--	--	--	--	C	--	--	--	--	--
4/10/2006		C	--	--	--	--	--	O-100	25	23	TOC	3	365	O-10	25	1.9	TOC	3	87
6/1/2006		O-100	26	24	TOC	1	375	O-10	26	2.7	TOC	0.1	140	C	--	--	--	--	--
6/5/2006		O-10	25	1	TOC	0.1	100 (F/O)	O-100	25	20	TOC	2.9	75 (F/O)	C	--	--	--	--	--
6/22/2006		O-100	--	--	--	--	104.2	O-10	--	--	--	--	4.2	O-10	--	--	--	--	7.5
6/26/2006		P	20	20	TOC	1.2	--	O	20	--	TOC	--	--	P	20	--	TOC	--	--
7/6/2006		O-100	25	23	TOC	3	39	O-10	25	2	TOC	0	22	O-10	25	2	TOC	0	5
7/11/2006		O-100	--	--	--	--	21.2	O-10	--	--	--	--	15.9	O-10	--	--	--	--	9
7/17/2006		O-100	25	20	TOC	2.5	90 (F/O)	O-20	25	8	TOC	2.5	72.1 (F/O)	C	--	--	--	--	12.5 (F/O)
8/1/2006	a	O-100	26	22	1 ft	2.5	32.7	C	--	--	--	--	--	C	--	--	--	--	--
8/8/2006		O-100	26	24	Bottom	2.5	30	O-10	26	4	TOC	0.1	10	O-10	26	4	TOC	0.1	5
8/24/2006		O-100	25	20	Bottom	3	360	C	--	--	--	--	--	O-30	25	4	TOC	0.5	65
8/29/2006		O-50	24	13.5	Bottom	0.5	28	O-100	24	23.12	TOC	2	4	C	--	--	--	--	--
9/5/2006		O-100	23	20	Bottom	--	70	O-10	23	1	TOC	--	50	O-10	23	1	TOC	--	60
9/12/2006		O-100	23	20	Bottom	--	70	O-20	23	4	TOC	--	50	O-20	23	4	TOC	--	60

Definitions:

--	Not measured or not applicable
C	Closed
FID	Flame Ionization Detector
F/O	FID flame out
gpm	Gallons per minute
in Hg	Inches of mercury
O	Open
P	Partially Open
ppmv	Parts per million by volume

Notes:

a Slurp tube located 1 ft from bottom

Table 6
Temporary Dual Phase Extraction System - Groundwater Analytical Data

CP 7004
15599 Hesperian Blvd
San Leandro, California

Date Sampled	Sample ID	Notes	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)
3/20/2006	KO		**260**	<0.50	<0.50	**1.6**	<1.0	**28**	<1.0	<0.50	<0.50	**18**	--	--	--
4/10/2006	KO		**58**	<0.50	<0.50	**0.58**	<1.0	**13**	<1.0	<0.50	<0.50	**14**	--	--	--
6/5/2006	KO		**150**	<0.50	<0.50	**1.6**	<1.0	**36**	<1.0	<0.50	<0.50	**10**	--	--	--
7/11/2006	KO		<50	<1.0	<1.0	<1.0	<1.0	**10**	<2.0	<2.0	<2.0	<25	<1.0	<1.0	<500
8/1/2006	KO		**55**	<0.50	<0.50	<0.50	<1.0	**7.0**	<1.0	<0.50	<0.50	<5.0	<0.50	**0.85**	<100
9/5/2006	KO		<50	<0.50	<0.50	<0.50	<1.00	**3.1**	<1.0	<0.50	<0.50	<5.0	<0.50	<0.50	<250

Definition:

1,2-DCA	1,2-dichloroethane
DIPE	Diisopropyl ether
EDB	Ethylene dibromide
ETBE	Ethyl tertiary-butyl ether
µg/L	Micrograms per liter
MTBE	Methyl tert-butyl ether
TAME	Tertiary-amyl methyl ether
TBA	Tertiary-butyl alcohol
TPHg	Total petroleum hydrocarbons as gasoline (gasoline range organics)
KO	Knockout

Table 7
Temporary Dual Phase Extraction System - Groundwater Mass Recovery

CP 7004
15599 Hesperian Blvd
San Leandro, California

Influent						Influent Concentrations				TPHg Recovery			Benzene Recovery			MTBE Recovery			TBA Recovery		
Date Sampled	Sample ID	Notes	Hour Meter Reading (hours)	Totalizer Reading (gallons)	Period Volume Extracted (gallons)	TPHg (µg/L)	Benzene (µg/L)	MTBE (µg/L)	TBA (µg/L)	Removal Rate (lbs/day) [1]	Period Net Removed (lbs) [2]	Cumulative Removed (lbs) [3]	Removal Rate (lbs/day) [1]	Period Net Removed (lbs) [2]	Cumulative Removed (lbs) [3]	Removal Rate (lbs/day) [1]	Period Net Removed (lbs) [2]	Cumulative Removed (lbs) [3]	Removal Rate (lbs/day) [1]	Period Net Removed (lbs) [2]	Cumulative Removed (lbs) [3]
3/20/2006	KO		12076.5	43,900	--	260	<0.5	28	18	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.0000	0.000	0.000
4/10/2006	KO		12345.4	90,210	46,310	58	<0.50	13	14	0.005	0.061	0.061	0.000	0.000	0.000	0.0007	0.008	0.008	0.0006	0.006	0.006
5/5/2006	KO		12557.7	126,390	36,180	150	<0.50	38	10	0.005	0.045	0.107	0.000	0.000	0.000	0.0012	0.011	0.019	0.0003	0.003	0.009
7/11/2006	KO		13086.4	217,320	90,930	<50	<1.0	10	<25	0.001	0.019	0.126	0.000	0.000	0.000	0.0003	0.008	0.026	0.0004	0.009	0.019
8/1/2006	KO		13476.4	279,670	62,350	55	<0.5	7.0	<5	0.002	0.029	0.154	0.000	0.000	0.000	0.0002	0.004	0.030	0.0001	0.001	0.020
8/5/2006	KO		14247.5	415,690	136,320	<50	<0.5	3.1	<5	0.001	0.028	0.183	0.000	0.000	0.000	0.0001	0.004	0.034	0.0001	0.000	0.023
REPORTING PERIOD: Third Quarter																					
Period Pounds Removed [4]:											0.076			0.000			0.015			0.014	
Period Gallons Removed [5]:											0.012			0.000			0.002			0.002	
Total Pounds Removed [6]:											0.183			0.000			0.034			0.023	
Total Gallons Removed [7]:											0.030			0.000			0.005			0.003	

Definitions:

lbs	Pounds
MTBE	Methyl tert-butyl ether
NA	Not sampled or not analyzed
TBA	Tert-butyl alcohol
TPHg	Total petroleum hydrocarbons as gasoline
(µg/L)	micrograms per Liter
KO	Knockout

Notes:

Physical Properties:
Density of gasoline = 6.1 pounds per gallon
Density of diesel = 7.18 pounds per gallon
Density of motor oil = 7.62 pounds per gallon
Density of benzene = 7.4 pounds per gallon
Density of MTBE = 6.18 pounds per gallon
Density of TBA = 6.6 pounds per gallon

Equations:

[1] $$\text{Removal Rate}\left(\frac{\text{lbs}}{\text{day}}\right)=\frac{\text{Period Net Removed (lbs)}\cdot 24\left(\frac{\text{hour}}{\text{day}}\right)}{(\text{Hour Meter Reading}_{1}-\text{Hour Meter Reading}_{0})}$$

[2] $$\text{Period Net Removed (lbs)}=(\text{Concentrat ion})\left(\frac{\mu g}{L}\right)\cdot 3.785\left(\frac{L}{\text{gallon}}\right)\cdot 2.205\times 10^{-9}\left(\frac{\text{lbs}}{\mu g}\right)\cdot \text{Period Extracted (gallons)}$$

[3] $$\text{Cumulative Removed (lbs)}=(\text{Period Net Removed})(\text{lbs})+\text{Cumulative Removed (lbs)}$$

[4] $$\text{Period Pounds Removed (lbs)}=\sum \text{Period Net Removed (lbs)}$$

[5] $$\text{Period Gallons Removed (gallons)}=\frac{\text{Period Pounds Removed (lbs)}}{\text{Density of Constituen t}\left(\frac{\text{lbs}}{\text{gallon}}\right)}$$

[6] $$\text{Total Pounds Removed (lbs)}=\text{Cumulative Adsorbed (lbs)}$$

[7] $$\text{Total Gallons Removed (gallons)}=\frac{\text{Total Pounds Removed (lbs)}}{\text{Density of Constituen t}\left(\frac{\text{lbs}}{\text{gallon}}\right)}$$

In order to show best estimate, recovery calculations assume one-half of the laboratory reporting limit when an analyte is reported as non-detect.

ATTACHMENT 1
TRC'S *QUARTERLY MONITORING REPORT JULY THROUGH SEPTEMBER 2006*

Quarterly Status and Remediation Summary Report – Third Quarter 2006
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.00.0304
November 6, 2006

SEE
TRC’s 2Q06
QSR & QRSR

ATTACHMENT 2
O&M ANALYTICAL DATA, FIELD DATA SHEETS, AND LABORATORY REPORTS

Quarterly Status and Remediation Summary Report – Third Quarter 2006
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.00.0304
November 6, 2006

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
·(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:	7-6-06	
Time:	10:30	

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	
Hourmeter Reading:	12961	
Totalizer Reading (gallons):	19866	
Estimated % Volume of Baker Tank(%):	40%	
Propane (x1000 ft³):	55% (500gal)	
Blower Vacuum (inHg):	25	

Completed By: [signature] Date: 7/6

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):	1400	
Operating Temperature: (°F)	1401	
High Temp Setpoint: (°F)	1550	
Auto Dilution Set Point (°F)	1500	
Oxidizer Inlet Temperature: (°F)	1203	
Oxidizer Exhaust Temperature: (°F)	1200	

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):	70.2	
·Vacuum (inHg):	25	
·Flow Rate (acfm):	65.2	
Dilution		
·% Open:	0	
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):	70.2	
·Vacuum (inHg):	25	
·Flow Rate (acfm):	65.2	
Effluent		
·Temperature (°F):	N/A	
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):	20.0	20.0
Dilution (ppmv):	0	0
Total System (ppmv):	20.0	20.0
Effluent (ppmv):	0.0	0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	33.0	100%	25	25	n/a	3.0	2.5	11.0	TC		
MW-5	22.0	10	3	↓	↓	0	2	1.0	↓		
RW-1	~~46~~	10	3	↓	↓	0	2	1.0	↓		
Final											
MW-3	39.0	100	25	25	N/A	3.0	2.5	11.0	TC		
MW-5	22.0	10	3	↓	↓	0	2	1.0	↓		
RW-1	5.0	10	3	↓	↓	0	2	1.0	↓		

Completed By:

Date:

System Maintenance

	Yes	No	Corrective Action
Leaks?		X	
Rattles?		X	
Excessive Noise? ·dB Reading:		X	
Indicator Lights Out?		X	
Any Faulty Gauges?		X	
Abnormal wear and tear?		X	
Blower Oil Low?	✓		Add 1 g
Process Filter Dirty?	~~✓~~	✓	
Dilution Filter Dirty?	~~✓~~	✓	
Linkage and Bearings Greased?	✓		
Bag Filters Replaced?		N/a	
System Automatic Shutdown Activated?	✓		
Did Shutdown Activate Autodialer?	N/a		
Inspected and Cleaned Pitot Tube(s)?	✓		
Chart Paper/Pens Replaced?	✓		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	✓		
Any Debris?		✓	
Compound Cleaned?	✓		
Prop 65 Sign Posted?	✓		
Emergency Contact Sign Posted?	✓		
Air Permit Posted?	✓		
Discharge Permit Posted?	~~✓~~ N/A		
HASP Posted?	✓		
Fire Extinguisher on site? ·Date last serviced:	✓		

SERVICE GEN hm = 5035.0

Completed By: Date:

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
·(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

* SHUT OFF DUE to oil/water IN GEN CRANKCASE

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions:
·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

GEN hr: 5156

	Upon Arrival	Upon Departure
Date:	7-11-06	7-11-06
Time:	12:00 Pm	

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	UP
Hourmeter Reading:	130854	
Totalizer Reading (gallons):	217320	
Estimated % Volume of Baker Tank(%):	30%	
Propane (x1000 ft^3):	Full	800?
Blower Vacuum (inHg):	25	

Propane 80%
6500 TANK 30%

2.5 Pm

Completed By: Date:

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):		1400
Operating Temperature: (°F)		1402
High Temp Setpoint: (°F)		1600
Auto Dilution Set Point (°F)		1500
Oxidizer Inlet Temperature: (°F)		1402
Oxidizer Exhaust Temperature: (°F)		1250

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):		70.0
·Vacuum (inHg):		25
·Flow Rate (acfm):		69.2
Dilution		~~0~~
·% Open:		
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):		70.0
·Vacuum (inHg):		25
·Flow Rate (acfm):		69.2
Effluent		
·Temperature (°F):		
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):		20.0
Dilution (ppmv):		—
Total System (ppmv):		20.0
Effluent (ppmv):		0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	*DTW*
Initial											
MW-3	21.2	100%									
MW-5	15.7	10									
RW-1	9.0	10									
Final											
MW-3											
MW-5											
RW-1											

INF
EFF
V-1

Completed By:

Date:

System Maintenance

	Yes	No	Corrective Action
Leaks?		✓	
Rattles?		✓	
Excessive Noise? -dB Reading:		✓	
Indicator Lights Out?		✓	
Any Faulty Gauges?		✓	
Abnormal wear and tear?		✓	
Blower Oil Low?		✓	
Process Filter Dirty?		✓	
Dilution Filter Dirty?		✓	
Linkage and Bearings Greased?	✓		
Bag Filters Replaced?		N/A	
System Automatic Shutdown Activated?		✓	
Did Shutdown Activate Autodialer?		N/A	
Inspected and Cleaned Pitot Tube(s)?		✓	
Chart Paper/Pens Replaced?		✓	
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	✓		
Any Debris?		✓	
Compound Cleaned?		✓	
Prop 65 Sign Posted?	✓		
Emergency Contact Sign Posted?	✓		
Air Permit Posted?	✓		
Discharge Permit Posted?	N/A		
HASP Posted?	✓		
Fire Extinguisher on site? -Date last serviced:	✓		

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Field Data Sheet

CP 700-4
15555 Hesperian Blvd
San Leandro, California

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
·(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank   Sampled
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions:
- VOC control efficiency > 98% (for influent >2000 ppmv)
- Minimum combustion temperature 1,400 °F
- Propane Gas meter reading obtained weekly.
- Estimated Percent Volume of Baker Tank weekly.
- Monthly effluent FID samples
- Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
- **Chart recorder is recording temperature at all times and changed as needed.**

Part C: System Data

	Upon Arrival	Upon Departure
Date:	7-17-06	7-17-06
Time:	1100	[illegible]

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	Down	UP
Hourmeter Reading:	13123.7	13128.7
Totalizer Reading (gallons):	224120	\
Estimated % Volume of Baker Tank(%):	0	
Propane (x1000 ft³):	80% 8209.1L	
Blower Vacuum (inHg):	0 Down	

Completed By: [signature]   Date: 7/17   Page 1 of 3

To PG9 15440

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):	Down	1450
Operating Temperature: (°F)		1451
High Temp Setpoint: (°F)		1700
Auto Dilution Set Point (°F)		1550
Oxidizer Inlet Temperature: (°F)		1451
Oxidizer Exhaust Temperature: (°F)		1401

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):		87.2
·Vacuum (inHg):		25.0
·Flow Rate (acfm):		77.2
Dilution		
·% Open:		0
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):		97.2
·Vacuum (inHg):		25.0
·Flow Rate (acfm):		77.2
Effluent		
·Temperature (°F):		
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):		80.0 F/O
Dilution (ppmv):		X
Total System (ppmv):		80.0 F/O
Effluent (ppmv):		0.0
Control Efficiency: (1-(FID Out/FID In))		

F/O FID Flame out

Completed By: [signature] Date: 7/11

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

PROPANE GOOD, GEN GOOD WATER TANK 0 gallons
& TANK MUST HAVE high LEVELED,

b: Give details of actions taken to correct problem:

SERVICE GEN RESTART
FIX

Completed By: [signature] Date: 7/17

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	90.0	10	25								
MW-5	72.1	10	5								
RW-1	12.5	10	5								
Final											
MW-3	90.0	10	25	23	X	12.5	20	11	TVC		
MW-5	72.1	20	10	↓		↓	8	2.0	TVC		
RW-1	12.5	0	0								

FO: FLACHT

SAMPLED INDV, RAW INDV FOR 30 MINUTE EACH

INF - MW-3
INF - MW-5
INF - RW-1

Completed By:

Date: 7/17

Project Number:	Temporary DPE System-O&M	CP 700-4
77CP.67004.03.0006	Maintenance Data	15555 Hesperian Blvd
		San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		✓	
Rattles?		✓	
Excessive Noise? ·dB Reading:		✓	
Indicator Lights Out?		✓	
Any Faulty Gauges?		✓	
Abnormal wear and tear?		✓	
Blower Oil Low?		✓	
Process Filter Dirty?		✓	
Dilution Filter Dirty?		✓	
Linkage and Bearings Greased?	✓		
Bag Filters Replaced?	N/A		
System Automatic Shutdown Activated?	✓		
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?	✓		
Chart Paper/Pens Replaced?	✓		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	✓		
Any Debris?		✓	
Compound Cleaned?		✓	
Prop 65 Sign Posted?	✓		
Emergency Contact Sign Posted?	✓		
Air Permit Posted?	✓		
Discharge Permit Posted?	N/A		
HASP Posted?	✓		
Fire Extinguisher on site? ·Date last serviced:	✓		

Completed By:

Date: 7/17

Project Number:	Temporary DPE System-O&M	CP 7004
77CP.67004.03.0006	Field Data Sheet	15555 Hesperian Blvd San Leandro, California

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:	8-1-06	8-1-06
Time:	940	~~9:00 AM~~

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	UP
Hourmeter Reading:	13476.4	
Totalizer Reading (gallons):	279670	
Estimated % Volume of Baker Tank(%):	50%	
Propane (x1000ft³):	70%	
Blower Vacuum (inHg):	24"	26"

Completed By: Date:

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):	1450	1450
Operating Temperature: (°F)	1451	1461
High Temp Setpoint: (°F)	1700	1700
Auto Dilution Set Point (°F)	1500	1500
Oxidizer Inlet Temperature: (°F)	1451	1461
Oxidizer Exhaust Temperature: (°F)	1400	1451

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
Temperature (°F):	72.1	77.1
Vacuum (inHg):	24	26
Flow Rate (acfm):	755	600
Dilution		
% Open:	~~0~~	~~0~~
Temperature (°F):		
Vacuum (inHg):		
Flow Rate (acfm):		
Total System		
Temperature (°F):	721	771
Vacuum (inHg):	24	26
Flow Rate (acfm):	755	600
Effluent	n/a	n/a
Temperature (°F):		
Pressure (inHg):		
Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):	14.7	30.0
Dilution (ppmv):	~~0~~	~~0~~
Total System (ppmv):	14.7	30.0
Effluent (ppmv):	0.0	0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

279800
13476.9

Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	21.2	100%	24	24	n/a	2.0	20	12	TOC		
MW-5	19.5	20%	5	"	"	.15	5	1			
RW-1	11.0	20%	5	"	"	.15	3	1	"		
Final											
MW-3	32.7	100%	26	26	60.0	2.5	22	15	1' OFF BOTTOM		
MW-5	X	8	OFF								
RW-1		8									

SET SLURP ON MW-3 TO 1' OFF BOTTOM

Completed By:

Date:

Project Number:	Temporary DPE System-O&M	CP 7004
77CP.67004.03.0006	Maintenance Data	15555 Hesperian Blvd San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		X	
Rattles?		X	
Excessive Noise? dB Reading:		X	
Indicator Lights Out?		X	
Any Faulty Gauges?		X	
Abnormal wear and tear?		X	
Blower Oil Low?		X	
Process Filter Dirty?		X	
Dilution Filter Dirty?		X	
Linkage and Bearings Greased?	X		
Bag Filters Replaced?	N/A		
System Automatic Shutdown Activated?	X		
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?	X		
Chart Paper/Pens Replaced?	X		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	X		
Any Debris?		X	
Compound Cleaned?		X	
Prop 65 Sign Posted?	X		
Emergency Contact Sign Posted?	X		
Air Permit Posted?	X		
Discharge Permit Posted?	N/A		
HASP Posted?	X		
Fire Extinguisher on site? Date last serviced:	X		

Project Number:	Temporary DPE System-O&M	CP 7004
77CP.67004.03.0006	Field Data Sheet	15555 Hesperian Blvd San Leandro, California

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
·(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:		8-8-06
Time:		

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	up	up
Hourmeter Reading:	13644.1	
Totalizer Reading (gallons):	301306	
Estimated % Volume of Baker Tank(%):	30%	
Propane (x1000 lb):	70% 700 gallons	
Blower Vacuum (inHg):	26	

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):		1450
Operating Temperature: (°F)		1462
High Temp Setpoint: (°F)		1600
Auto Dilution Set Point (°F)		1485
Oxidizer Inlet Temperature: (°F)		1462
Oxidizer Exhaust Temperature: (°F)		1460

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
Temperature (°F):		77.2
Vacuum (inHg):		26
Flow Rate (acfm):		60.2
Dilution		
% Open:		6
Temperature (°F):		
Vacuum (inHg):		
Flow Rate (acfm):		
Total System		
Temperature (°F):		77.2
Vacuum (inHg):		26
Flow Rate (acfm):		60.2
Effluent		
Temperature (°F):		
Pressure (inHg):		
Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):		27.1
Dilution (ppmv):		0
Total System (ppmv):		27.1
Effluent (ppmv):		0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

77CP.67004.03.0006

Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	30.5	100%	26	26		2.5	24	12	Bottom		
MW-5	10.2	5	5	↓		.10	2	1	TOC		
RW-1	5.1	5	3	↓		.10	2	1	TOC		
Final											
MW-3	30	100%	26	26		2.5	24	12	Bottom		
MW-5	10	10	5	↓		.10	4	1	TOC		
RW-1	5	10	5	↓		.10	4	1	TOC		

Completed By:

Date:

System Maintenance

	Yes	No	Corrective Action
Leaks?		✓	
Rattles?		✓	
Excessive Noise? dB Reading:		✓	
Indicator Lights Out?		✓	
Any Faulty Gauges?		✓	
Abnormal wear and tear?		✓	
Blower Oil Low?		✓	
Process Filter Dirty?		✓	
Dilution Filter Dirty?		✓	
Linkage and Bearings Greased?	✓		
Bag Filters Replaced?	N/A		
System Automatic Shutdown Activated?	✓	Testing Floats OK	
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?	✓		
Chart Paper/Pens Replaced?	✓		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	✓		
Any Debris?		✓	
Compound Cleaned?		✓	
Prop 65 Sign Posted?	✓		
Emergency Contact Sign Posted?	✓		
Air Permit Posted?	✓		
Discharge Permit Posted?	N/A		
HASP Posted?	✓		
Fire Extinguisher on site? Date last serviced:	✓		

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:	8/24/06	
Time:	8:30	

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	UP
Hourmeter Reading:	14028.0	
Totalizer Reading (gallons):	393550	
Estimated % Volume of Baker Tank(%):	70%	
Propane (x1000 ft³):	75%	
Blower Vacuum (inHg):	24	25

Completed By: Date:

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):		1430
Operating Temperature: (°F)		1431
High Temp Setpoint: (°F)		1700
Auto Dilution Set Point (°F)		1550
Oxidizer Inlet Temperature: (°F)		1431
Oxidizer Exhaust Temperature: (°F)		1401

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):		87.2
·Vacuum (inHg):		25
·Flow Rate (acfm):		68.0
Dilution		
·% Open:		X
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):		87.2
·Vacuum (inHg):		25
·Flow Rate (acfm):		68.0
Effluent		
·Temperature (°F):		X
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):	311.5	344.1
Dilution (ppmv):	—	
Total System (ppmv):	11.5	344.1
Effluent (ppmv):	8.0	0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	361.5	100	24	24	70	3.0	20	10	Bottom	⌀	
MW-5	38.2	20	2	↓	↓	.25	1.5	1.5	TOC	⌀	
RW-1	66.7	70	2	↓	↓	.25	1.7	1.5	TOC	⌀	
Final											
MW-3	560.0	100%	25	25	68.2	3.0	20	11	Bottom		
MW-5	X	0	—	↓	↓						
RW-1	65.0	30%	5	↓	↓	.5	4	4	TOC		

Completed By:

Date:

Project Number:	Temporary DPE System-O&M	CP 7004
77CP.67004.03.0006	Maintenance Data	15555 Hesperian Blvd San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		X	
Rattles?		X	
Excessive Noise? ·dB Reading:		X	
Indicator Lights Out?		X	
Any Faulty Gauges?		X	
Abnormal wear and tear?		X	
Blower Oil Low?		X	
Process Filter Dirty?		X	
Dilution Filter Dirty?		X	
Linkage and Bearings Greased?	X		
Bag Filters Replaced?		NOT	
System Automatic Shutdown Activated?		X	
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?		X	
Chart Paper/Pens Replaced?	X		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	X		
Any Debris?		X	
Compound Cleaned?	X		
Prop 65 Sign Posted?	X		
Emergency Contact Sign Posted?	X		
Air Permit Posted?	X		
Discharge Permit Posted?	X		
HASP Posted?	X		
Fire Extinguisher on site? ·Date last serviced:	X		

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions:
- VOC control efficiency > 98% (for influent >2000 ppmv)
- Minimum combustion temperature 1,400 °F
- Propane Gas meter reading obtained weekly.
- Estimated Percent Volume of Baker Tank weekly.
- Monthly effluent FID samples
- Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
- **Chart recorder is recording temperature at all times and changed as needed.**

Part C: System Data

	Upon Arrival	Upon Departure
Date: 8/29/06	8/29	8/29
Time: 0934	0934	1134

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	down	up
Hourmeter Reading:	14077.1	14078.5
Totalizer Reading (gallons):		391404
Estimated % Volume of Baker Tank(%):	0	1%
Propane (x1000 ft^3):	72%	72%
Blower Vacuum (inHg):	0	25

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):	1400	
Operating Temperature: (°F)	1423	
High Temp Setpoint: (°F)	1550	
Auto Dilution Set Point (°F)	1485	
Oxidizer Inlet Temperature: (°F)	1132	
Oxidizer Exhaust Temperature: (°F)	1132	

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):	59	
·Vacuum (inHg):	24	
·Flow Rate (acfm):	38.8	
Dilution		
·% Open:	0	
·Temperature (°F):		
·Vacuum (inHg):	0	
·Flow Rate (acfm):	0	
Total System		
·Temperature (°F):	59	
·Vacuum (inHg):	24	
·Flow Rate (acfm):	38.8	
Effluent From LRP		
·Temperature (°F):	115	
·Pressure (~~inHg~~): in H_2O	0	
·Flow Rate (acfm):	36.8	

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):	3	
Dilution (ppmv):	0	
Total System (ppmv):	3	
Effluent (ppmv):	0	
Control Efficiency: (1-(FID Out/FID In))	100	

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):
Down [redacted] with [redacted] Air Pressure Alarm

b: Give details of actions taken to correct problem:
Check Unit; Start UP OK @ 0945

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	58	50	24	24		0.5	13.5	10.0	NOT charged		
MW-5	4	100	24	24		2.0	23.12	8.0	NOT charged		
RW-1		0	0	0		0.5			NOT charged		
Final											
MW-3											
MW-5											
RW-1											

Completed By:

Date:

Project Number:
77CP.67004.03.0006

8/29/06

Temporary DPE System-O&M
Maintenance Data

CP 700-4
15555 Hesperian Blvd
San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		✓	
Rattles?		✓	
Excessive Noise? ·dB Reading:		✓	
Indicator Lights Out?		✓	
Any Faulty Gauges?		✓	
Abnormal wear and tear?		✓	
Blower Oil Low?		✓	
Process Filter Dirty?		✓	
Dilution Filter Dirty?		✓	
Linkage and Bearings Greased?		✓	
Bag Filters Replaced?		N/A	
System Automatic Shutdown Activated?	✓		
Did Shutdown Activate Autodialer?	✓		
Inspected and Cleaned Pitot Tube(s)?		✓	
Chart Paper/Pens Replaced?	✓	~~N/A~~	Chart Paper replaced
Other?		✓	

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	✓		
Any Debris?		✓	
Compound Cleaned?		✓	
Prop 65 Sign Posted?		✓	
Emergency Contact Sign Posted?	✓		
Air Permit Posted?	✓		
Discharge Permit Posted?	✓		
HASP Posted?	✓		
Fire Extinguisher on site? ·Date last serviced:	✓		

Completed By:

Date:

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:	9/5/06	
Time:	16:30	

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	UP
Hourmeter Reading:	14247.5	
Totalizer Reading (gallons):	415990	
Estimated % Volume of Baker Tank(%):	25%	
Propane (x1000 ft):	60%	
Blower Vacuum (inHg):		

Completed By: Date:

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):	1450	
Operating Temperature: (°F)	1450	
High Temp Setpoint: (°F)	1550	
Auto Dilution Set Point (°F)	1485	
Oxidizer Inlet Temperature: (°F)	1450	
Oxidizer Exhaust Temperature: (°F)	1300	

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):	79.9	
·Vacuum (inHg):	24.0	
·Flow Rate (acfm):	72.5	
Dilution		
·% Open:	0	
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):	79.9	
·Vacuum (inHg):	24.0	
·Flow Rate (acfm):	79.9	
Effluent		
·Temperature (°F):		
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):		
Dilution (ppmv):		
Total System (ppmv):		
Effluent (ppmv):		
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (inHg)	System Vacuum (inHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (inHg)	Casing Vacuum (inHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	77.3	100%									
MW-5	54.3	CLOSED									
RW-1	62.1	20%									
Final											
MW-3	70.0	100%	23.0	23.0			20.0	17.0	Bottom		
MW-5	50.0	10	2.0	"			1.0	1.0	TOC		
RW-1	60.0	10	2.0	"			1.5	1.5	TOC		

Completed By:

Date:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Maintenance Data

CP 700-4
15555 Hesperian Blvd
San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		X	
Rattles?		X	
Excessive Noise? ·dB Reading:		X	
Indicator Lights Out?		X	
Any Faulty Gauges?		X	
Abnormal wear and tear?		X	
Blower Oil Low?		X	
Process Filter Dirty?		X	
Dilution Filter Dirty?		X	
Linkage and Bearings Greased?	X		
Bag Filters Replaced?		N/A	
System Automatic Shutdown Activated?	X		V TANK ON TANK OK
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?	X		
Chart Paper/Pens Replaced?	X		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	X		
Any Debris?		X	
Compound Cleaned?	X		PU TRASH
Prop 65 Sign Posted?	X		INSTALLED NEW SIGN
Emergency Contact Sign Posted?	X		
Air Permit Posted?	X		
Discharge Permit Posted?	X		
HASP Posted?	X		
Fire Extinguisher on site? ·Date last serviced:	X		

Completed By:

Date:

DO NOT OPERATE PAST - Pending Permit To Operate

Part A: System Information

Soil Vapor Abatement Equipment: Solleco 350 TCAT (MTS) (Plant No. 13708)
Liquid Ring Blower: Travaini TRO400S
(Maximum Flow Rate: 350 cfm; Maximum Vacuum: 28 inHg)
Baker Tank: 6500 Gal Tank w/ Secondary Containment
Propane Tank: Amerigas 1000 gallon Tank
Telemetry: NA
Electrical Power: Liquid Propane Generator
Supplemental Fuel: Propane Gas at 5 psi

Part B: Permit Information

Air Permit: Bay Area Air Quality Management District; Application No. 13031
Plant Number 13708

Conditions: ·VOC control efficiency > 98% (for influent >2000 ppmv)
·Minimum combustion temperature 1,400 °F
·Propane Gas meter reading obtained weekly.
·Estimated Percent Volume of Baker Tank weekly.
·Monthly effluent FID samples
·Benzene Emissions shall not exceed .25 lbs/day (6.4 lbs/year)
·Chart recorder is recording temperature at all times and changed as needed.

Part C: System Data

	Upon Arrival	Upon Departure
Date:		9/12
Time:		9:30

General Data	Upon Arrival	Upon Departure
System Status (Up/Down):	UP	UP
Hourmeter Reading:		144140
Totalizer Reading (gallons):		441350
Estimated % Volume of Baker Tank(%):		10%
Propane (x1000ft³):		50%
Blower Vacuum (inHg):		23

Thermal Oxidizer Data	Upon Arrival	Upon Departure
Oxidizer Setpoint (°F):		1450
Operating Temperature: (°F)		1451
High Temp Setpoint: (°F)		1550
Auto Dilution Set Point (°F)		1500
Oxidizer Inlet Temperature: (°F)		1451
Oxidizer Exhaust Temperature: (°F)		1211

Soil Vapor Flow Data	Before Adjustment	After Adjustment
Well Field		
·Temperature (°F):		87.2
·Vacuum (inHg):		23
·Flow Rate (acfm):		81.2
Dilution		~~0~~
·% Open:		✓
·Temperature (°F):		
·Vacuum (inHg):		
·Flow Rate (acfm):		
Total System		
·Temperature (°F):		87.2
·Vacuum (inHg):		23
·Flow Rate (acfm):		81.2
Effluent		
·Temperature (°F):		X
·Pressure (inHg):		
·Flow Rate (acfm):		

FID Data	Before Adjustment	After Adjustment
Well Field (ppmv):		65.0
Dilution (ppmv):		~~0~~
Total System (ppmv):		65.0
Effluent (ppmv):		0.0
Control Efficiency: (1-(FID Out/FID In))		

Part D: Troubleshooting (Complete if system down on arrival)

a: Give details of system status (why was system down?):

b: Give details of actions taken to correct problem:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Well Data Sheet

CP 7004
15555 Hesperian Blvd
San Leandro, California

Well	FID	Valve Position	Manifold Vacuum (InHg)	System Vacuum (InHg)	Flow Rate (acfm)	Approximate GPM	Line Vacuum (InHg)	Casing Vacuum (InHg)	Slurp Tube Depth	DTP	DTW
Initial											
MW-3	71.2	10	25	24							
MW-5	47.5	10	2	1							
RW-1	60.5	10	2	↓							
Final											
MW-3	70	10	23	23			20	11.0	Bottom		
MW-5	50	20	5	1			4	4	TOC		
RW-1	60	20	5	↓			4	4	TOC		

Completed By:

Date:

Project Number:
77CP.67004.03.0006

Temporary DPE System-O&M
Maintenance Data

CP 7004
15555 Hesperian Blvd
San Leandro, California

System Maintenance

	Yes	No	Corrective Action
Leaks?		X	
Rattles?		X	
Excessive Noise? ·dB Reading:		X	
Indicator Lights Out?		X	
Any Faulty Gauges?		X	
Abnormal wear and tear?		X	
Blower Oil Low?		X	
Process Filter Dirty?		X	
Dilution Filter Dirty?		X	
Linkage and Bearings Greased?	X		
Bag Filters Replaced?	N/A		
System Automatic Shutdown Activated?		X	
Did Shutdown Activate Autodialer?	N/A		
Inspected and Cleaned Pitot Tube(s)?	X		
Chart Paper/Pens Replaced?	X		
Other?			

Compound Maintenance

	Yes	No	Corrective Action
Compound Secure?	X		
Any Debris?		X	
Compound Cleaned?		X	
Prop 65 Sign Posted?	X		
Emergency Contact Sign Posted?	X		
Air Permit Posted?	X		
Discharge Permit Posted?	N/A		
HASP Posted?	X		
Fire Extinguisher on site? ·Date last serviced:	X		

Completed By:

Date:

July 17, 2006

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 092 1
www.stl-inc.com

STL LOT NUMBER: **E6G120239**

Diane Barclay
SECOR International Inc
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Dear Diane Barclay,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on July 12, 2006. These samples are associated with your ConocoPhillips SITE#7004 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the cooler received for this project can be found on the Project Receipt Checklist. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000024 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

CASE NARRATIVE

LOT NUMBER E6G120239

Nonconformance 05-16916

Affected Samples:
E6G120239 (3): KO

Details:
The sample was received at 18.7 degrees C.

ConocoPhillips Chain Of Custody Record

STL- Santa Ana
1721 South Grand Avenue
Santa Ana, CA 92705
714.258.8610

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS, Attn: Dee Hutchinson, 3611 South Harbor, Suite 200, Santa Ana, CA 92704

ConocoPhillips Work Order Number: EGG120239
ConocoPhillips Cost Object:

DATE: 7-11-06
PAGE: 1 of 1

SAMPLING COMPANY: SECOR International Inc	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 7004	GLOBAL ID NO.:
ADDRESS: 3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 15555 Hesperian Boulevard, San Leandro 94579	CONOCOPHILLIPS SITE MANAGER: Thomas Kosel
PROJECT CONTACT (Hardcopy or PDF Report to): Diane Barclay		EDF DELIVERABLE TO (RP or Designee): Diane Barclay	PHONE NO.: (916) 861-0400 ext 300
TELEPHONE: (916) 861-0400 x300	FAX: (916) 861-0430	E-MAIL: dbarclay@secor.com	E-MAIL: dbarclay@secor.com
SAMPLER NAME(S) (Print):	CONSULTANT PROJECT NUMBER: 77CP.01630.01		LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

Required Reporting Limit: <10 ppm(v)

Please send EDF and PDF to kwong@secor.com, dbarclay@secor.com

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	TO-3 - TPHg/BTEX/MTBE	Lead ☐Total ☐STLC ☐TCLP
	INF	7/11/06	340	Air	1							X	
	EFF	↓	335	Air	1							X	
	KO	↓	320	Water	3			X					

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) HAND TO FEDX	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7-12-06	Time: 10 500
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

3/8/06 Revision

19.0 - 3 = 18.7

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 7/12/06

Single Cooler Only

LIMS Lot #: E6G120239 Quote #: 61017

Client Name: Secor Project: CP 7004

Received by: AV Date/Time Received: 7/12/06 1000

Delivered by : ☐ Client ☐ STL ☐ DHL ☒ Fed Ex ☐ UPS ☐ Other _____

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 7/12/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # __A_ Correction Factor __-.3_°C IR passed daily verification ☒ Yes ☐No	
Temperature - BLANK 19.0 °C - .3 CF = 18.7 °C ...Cooler #1 ID N/A	
Temperature – COOLER (____°C ____°C ____°C ____°C) = _____ avg °C -__.3 __ CF = _____°C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☐No ☒Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☐ Yes ☒No	
Labeled by: AV	
Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL	SG 7/12/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 7/12/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

120219

LIMS Lot # EGG120239

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-2	3												
VOAH		3												
ed/Zr bag	1													

7/12/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☒ YES ☐ N/A 7/12/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S))** / **CONTAINER(S)**
  - ☐ None / ☐ None
  - ☐ Not Intact / ☐ Not Intact
  - ☐ Other / ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☒ Temperature ~~Blank(s)~~ Samples
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC–Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

Samples were received outside of temp. criteria (18.7°C).

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is"

Logged by/Date: Logged in by other STL ☐ Albert Lozano 7-12-06

PM Review/Date: 7/12/06

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. SAN LEANDRO, CA

ConocoPhillips SITE#7004

Lot #: E6G120239

Diane Barclay

SECOR International Inc

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

July 14, 2006

EXECUTIVE SUMMARY - Detection Highlights

E6G120239

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
INF 07/11/06 15:40 001				
Benzene	0.029	0.020	ppm(v/v)	EPA-19 TO-3
Toluene	0.051	0.020	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	0.14	0.020	ppm(v/v)	EPA-19 TO-3
Xylenes (total)	0.030	0.020	ppm(v/v)	EPA-19 TO-3
Methyl tert-butyl ether (MTBE)	0.38	0.020	ppm(v/v)	EPA-19 TO-3
TPH (as Gasoline)	8.9	1.0	ppm(v/v)	EPA-19 TO-3
EFF 07/11/06 15:35 002				
Benzene	0.030	0.020	ppm(v/v)	EPA-19 TO-3
Toluene	0.040	0.020	ppm(v/v)	EPA-19 TO-3
Xylenes (total)	0.025	0.020	ppm(v/v)	EPA-19 TO-3
TPH (as Gasoline)	2.4	1.0	ppm(v/v)	EPA-19 TO-3
KO 07/11/06 15:20 003				
Methyl tert-butyl ether	10	1.0	ug/L	SW846 8260B

METHODS SUMMARY

E6G120239

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
BTEX by TO-3	EPA-19 TO-3	
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/82€5

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E6G120239

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H83JJ	001	INF	07/11/0	15:40
H83JN	002	EFF	07/11/0	15:35
H83JQ	003	KO	07/11/0	15:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SECOR International Inc

Client Sample ID: INF

GC Volatiles

Lot-Sample #...:	E6G120239-001	Work Order #...:	H83JJ1AC	Matrix.....:	V
Date Sampled...:	07/11/06 15:40	Date Received..:	07/12/06 10:00	MS Run #.....:	
Prep Date.....:	07/12/06	Analysis Date..:	07/12/06		
Prep Batch #...:	6195162	Analysis Time..:	17:10		
Dilution Factor:	1				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	0.029	0.020	ppm(v/v)	0.0050
Toluene	0.051	0.020	ppm(v/v)	0.0060
Ethylbenzene	0.14	0.020	ppm(v/v)	0.0040
Xylenes (total)	0.030	0.020	ppm(v/v)	0.0060
Methyl tert-butyl ether (MTBE)	0.38	0.020	ppm(v/v)	0.010

SECOR International Inc

Client Sample ID: INF

GC Volatiles

Lot-Sample #...:	E6G120239-001	Work Order #...:	H83JJ1AD	Matrix.....:	V
Date Sampled...:	07/11/06 15:40	Date Received..:	07/12/06 10:00	MS Run #.....:	
Prep Date.....:	07/12/06	Analysis Date..:	07/12/06		
Prep Batch #...:	6195161	Analysis Time..:	17:10		
Dilution Factor:	1				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	8.9	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SECOR International Inc

Client Sample ID: EFF

GC Volatiles

Lot-Sample #...:	E6G120239-002	Work Order #...:	H83JN1AC	Matrix.....:	V
Date Sampled...:	07/11/06 15:35	Date Received..:	07/12/06 10:00	MS Run #.....:	
Prep Date.....:	07/12/06	Analysis Date..:	07/12/06		
Prep Batch #...:	6195162	Analysis Time..:	16:50		
Dilution Factor:	1				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	0.030	0.020	ppm(v/v)	0.0050
Toluene	0.040	0.020	ppm(v/v)	0.0060
Ethylbenzene	ND	0.020	ppm(v/v)	0.0040
Xylenes (total)	0.025	0.020	ppm(v/v)	0.0060
Methyl tert-butyl ether (MTBE)	ND	0.020	ppm(v/v)	0.010

SECOR International Inc

Client Sample ID: EFF

GC Volatiles

Lot-Sample #...:	E6G120239-002	Work Order #...:	H83JN1AD	Matrix.....:	V
Date Sampled...:	07/11/06 15:35	Date Received..:	07/12/06 10:00	MS Run #.....:	
Prep Date.....:	07/12/06	Analysis Date..:	07/12/06		
Prep Batch #...:	6195161	Analysis Time..:	16:50		
Dilution Factor:	1				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	2.4	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SECOR International Inc

Client Sample ID: KO

GC/MS Volatiles

Lot-Sample #...:	E6G120239-003	Work Order #...:	H83JQ1AA	Matrix.....:	W
Date Sampled...:	07/11/06 15:20	Date Received..:	07/12/06 10:00	MS Run #.....:	6195 095
Prep Date.....:	07/13/06	Analysis Date..:	07/13/06		
Prep Batch #...:	6195146	Analysis Time..:	13:50		
Dilution Factor:	1				
Analyst ID.....:	000038	Instrument ID..:	MSQ		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.30
tert-Butyl alcohol	ND	25	ug/L	6.0
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	1.0	ug/L	0.40
Ethanol	ND	500	ug/L	74
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.30
Diisopropyl Ether (DIPE)	ND	2.0	ug/L	0.50
Methyl tert-butyl ether	**10**	**1.0**	**ug/L**	**0.50**
Toluene	ND	1.0	ug/L	0.30
TPH (as Gasoline)	ND	50	ug/L	20
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	81	(75 - 120)
1,2-Dichloroethane-d4	83	(65 - 130)
Toluene-d8	83	(80 - 130)

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E6G120239

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-19 TO-3		6195162	
	V	EPA-19 TO-3		6195161	
002	V	EPA-19 TO-3		6195162	
	V	EPA-19 TO-3		6195161	
003	W	SW846 8260B		6195146	6195095

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6G120239 Work Order #...: H88EF1AA Matrix.....: WATER
MB Lot-Sample #: E6G140000-146

Prep Date.....: 07/13/06 Analysis Time..: 11:19
Analysis Date..: 07/13/06 Prep Batch #...: 6195146 Instrument ID..: MSQ
Dilution Factor: 1

Analyst ID.....: 000038

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
tert-Butyl alcohol	ND	25	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Ethanol	ND	500	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl-t-Butyl Ether (ETBE	ND	2.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diisopropyl Ether (DIPE)	ND	2.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
TPH (as Gasoline)	ND	50	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(75 - 120)
1,2-Dichloroethane-d4	87	(65 - 130)
Toluene-d8	85	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E6G120239
MB Lot-Sample #: M6G140000-161
Analysis Date..: 07/12/06
Dilution Factor: 1

Work Order #...: H88GD1AA
Prep Date.....: 07/12/06
Prep Batch #...: 6195161
Analyst ID.....: 402431

Matrix.....: AIR
Analysis Time..: 09:28
Instrument ID..: GC7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E6G120239
MB Lot-Sample #: M6G140000-162
Work Order #...: H88GA1AA
Matrix.....: AIR
Prep Date.....: 07/12/06
Analysis Time..: 09:28
Analysis Date..: 07/12/06
Prep Batch #...: 6195162
Instrument ID..: GC7
Dilution Factor: 1
Analyst ID.....: 402431

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.020	ppm(v/v)	EPA-19 TO-3
Toluene	ND	0.020	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	ND	0.020	ppm(v/v)	EPA-19 TO-3
Xylenes (total)	ND	0.020	ppm(v/v)	EPA-19 TO-3
Methyl tert-butyl ether (MTBE)	ND	0.020	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6G120239 Work Order #...: H88EF1AC Matrix.....: WATER
LCS Lot-Sample#: E6G140000-146
Prep Date.....: 07/13/06 Analysis Date..: 07/13/06
Prep Batch #...: 6195146 Analysis Time..: 10:57
Dilution Factor: 1 Instrument ID..: MSQ
Analyst ID.....: 000038

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.94**	**ug/L**	**99**	**SW846 8260B**
tert-Butyl alcohol	**50.0**	**46.2**	**ug/L**	**92**	**SW846 8260B**
1,2-Dibromoethane (EDB)	**10.0**	**9.27**	**ug/L**	**93**	**SW846 8260B**
1,2-Dichloroethane	**10.0**	**9.19**	**ug/L**	**92**	**SW846 8260B**
Ethanol	**2000**	**3380 HS**	**ug/L**	**169**	**SW846 8260B**
Tert-amyl methyl ether	**10.0**	**8.31**	**ug/L**	**83**	**SW846 8260B**
Ethyl-t-Butyl Ether (ETBE	**10.0**	**9.14**	**ug/L**	**91**	**SW846 8260B**
Ethylbenzene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Diisopropyl Ether (DIPE)	**10.0**	**9.09**	**ug/L**	**91**	**SW846 8260B**
Methyl tert-butyl ether	**10.0**	**8.31**	**ug/L**	**83**	**SW846 8260B**
Toluene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
m-Xylene & p-Xylene	**20.0**	**20.4**	**ug/L**	**102**	**SW846 8260B**
o-Xylene	**10.0**	**9.88**	**ug/L**	**99**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(75 - 120)
1,2-Dichloroethane-d4	90	(65 - 130)
Toluene-d8	88	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

HS Spike analyte recovery is outside statedcontrol limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6G120239 Work Order #...: H88GD1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M6G140000-161 H88GD1AD-LCSD
Prep Date.....: 07/12/06 Analysis Date..: 07/12/06
Prep Batch #...: 6195161 Analysis Time..: 07:34
Dilution Factor: 1 Instrument ID..: GC7
Analyst ID.....: 402431

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**10.7**	**11.0**	**ppm(v/v)**	**103**		**EPA-19 TO-3**
	10.7	**10.9**	**ppm(v/v)**	**102**	**1.1**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E6G120239	Work Order #...:	H88GA1AC-LCS	Matrix.....:	AIR
LCS Lot-Sample#:	M6G140000-162		H88GA1AD-LCSD		
Prep Date.....:	07/12/06	Analysis Date..:	07/12/06		
Prep Batch #...:	6195162	Analysis Time..:	08:38		
Dilution Factor:	1	Instrument ID..:	GC7		
Analyst ID.....:	402431				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**0.0679**	**0.0700**	**ppm(v/v)**	**103**		**EPA-19 TO-3**
	0.0679	**0.0708**	**ppm(v/v)**	**104**	**1.1**	**EPA-19 TO-3**
Toluene	**0.0675**	**0.0712**	**ppm(v/v)**	**105**		**EPA-19 TO-3**
	0.0675	**0.0702**	**ppm(v/v)**	**104**	**1.4**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6G120239 Work Order #...: H8W9E1AC-MS Matrix.....: WATER
MS Lot-Sample #: E6G100142-001 H8W9E1AD-MSD
Date Sampled...: 07/06/06 09:40 Date Received..: 07/10/06 10:00 MS Run #.....: 61950 95
Prep Date.....: 07/13/06 Analysis Date..: 07/13/06
Prep Batch #...: 6195146 Analysis Time..: 16:32
Dilution Factor: 50 Analyst ID.....: 000038 Instrument ID..: MSQ

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	500	495	ug/L	99		SW846 8260B
	ND	500	500	ug/L	100	1.0	SW846 8260B
tert-Butyl alcohol	ND	2500	3070	ug/L	123		SW846 8260B
	ND	2500	3050	ug/L	122	0.58	SW846 8260B
1,2-Dibromoethane (EDB)	ND	500	501	ug/L	100		SW846 8260B
	ND	500	512	ug/L	102	2.2	SW846 8260B
1,2-Dichloroethane	ND	500	516	ug/L	103		SW846 8260B
	ND	500	521	ug/L	104	1.1	SW846 8260B
Ethanol	ND	100000	189000	ug/L	189 HS		SW846 8260B
	ND	100000	177000	ug/L	177 HS	6.4	SW846 8260B
Tert-amyl methyl ether	160	500	560	ug/L	79		SW846 8260B
	160	500	580	ug/L	83	3.6	SW846 8260B
Ethyl-t-Butyl Ether (ETBE	ND	500	464	ug/L	80		SW846 8260B
	ND	500	503	ug/L	87	8.0	SW846 8260B
Ethylbenzene	ND	500	480	ug/L	96		SW846 8260B
	ND	500	474	ug/L	95	1.2	SW846 8260B
Diisopropyl Ether (DIPE)	ND	500	492	ug/L	98		SW846 8260B
	ND	500	510	ug/L	102	3.5	SW846 8260B
Methyl tert-butyl ether	4400	500	4670	ug/L	54		SW846 8260B
	Qualifiers: HS,MSB						
	4400	500	5010	ug/L	121	7.0	SW846 8260B
Toluene	ND	500	480	ug/L	96		SW846 8260B
	ND	500	476	ug/L	95	0.64	SW846 8260B
m-Xylene & p-Xylene	ND	1000	953	ug/L	95		SW846 8260B
	ND	1000	938	ug/L	94	1.6	SW846 8260B
o-Xylene	ND	500	473	ug/L	95		SW846 8260B
	ND	500	466	ug/L	93	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(75 - 120)
	87	(75 - 120)
1,2-Dichloroethane-d4	85	(65 - 130)
	78	(65 - 130)
Toluene-d8	86	(80 - 130)
	86	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

HS Spike analyte recovery is outside stated control limits.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 720-4631-1

Job Description: Conoco Phillips #7004

For:
SECOR International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Ms. Diane Barclay

Melissa Brewer

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
07/20/2006

cc: K Wong

Project Manager: Dimple Sharma

EXECUTIVE SUMMARY - Detections

Client: SECOR International, Inc. Job Number: 720-4631-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-4631-1	**INF MW-3**				
Gasoline Range Organics (GRO)-C6-C12		16	5.0	ppm v/v	8260B
720-4631-2	**INF MW-5**				
Methyl tert-butyl ether		0.24	0.14	ppm v/v	8260B
Gasoline Range Organics (GRO)-C6-C12		20	5.0	ppm v/v	8260B
720-4631-3	**INF RW-1**				
Methyl tert-butyl ether		0.19	0.14	ppm v/v	8260B
Gasoline Range Organics (GRO)-C6-C12		19	5.0	ppm v/v	8260B

METHOD SUMMARY

Client: SECOR International, Inc. Job Number: 720-46531-1

Description	Lab Location	Method	Preparation Method
Matrix: Air-Florida			
Volatile Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap with Tedlar Bags (72 Hour Hold	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: SECOR International, Inc. Job Number: 720-4631-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-4631-1	INF MW-3	Air-Florida Tedlar	07/17/2006 1655	07/19/2006 0935
720-4631-2	INF MW-5	Air-Florida Tedlar	07/17/2006 1725	07/19/2006 0935
720-4631-3	INF RW-1	Air-Florida Tedlar	07/17/2006 1800	07/19/2006 0935

Client: SECOR International, Inc.

Job Number: 720-4631-1

Client Sample ID: **INF MW-3**

Lab Sample ID: 720-4631-1
Client Matrix: Air-Florida

Date Sampled: 07/17/2006 1655
Date Received: 07/19/2006 0935

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/19/2006 1203
Date Prepared: 07/19/2006 1203

Analysis Batch: 720-11129

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	ND		0.14
Gasoline Range Organics (GRO)-C6-C12	16		5.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	93	77 - 121
1,2-Dichloroethane-d4	95	73 - 130

Client: SECOR International, Inc. Job Number: 720-4631-1

Client Sample ID: INF MW-5

Lab Sample ID: 720-4631-2
Client Matrix: Air-Florida

Date Sampled: 07/17/2006 1725
Date Received: 07/19/2006 0935

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/19/2006 1229
Date Prepared: 07/19/2006 1229

Analysis Batch: 720-11129

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	0.24		0.14
Gasoline Range Organics (GRO)-C6-C12	20		5.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	96	77 - 121
1,2-Dichloroethane-d4	92	73 - 130

Client: SECOR International, Inc. Job Number: 720-4631-1

Client Sample ID: **INF RW-1**

Lab Sample ID: 720-4631-3
Client Matrix: Air-Florida

Date Sampled: 07/17/2006 1800
Date Received: 07/19/2006 0935

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/19/2006 1255
Date Prepared: 07/19/2006 1255

Analysis Batch: 720-11129

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	0.19		0.14
Gasoline Range Organics (GRO)-C6-C12	19		5.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	97	77 - 121
1,2-Dichloroethane-d4	89	73 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: SECOR International, Inc.

Job Number: 720-4631-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
Air Toxics				
Analysis Batch:720-11129				
LCS 720-11129/1	Lab Control Spike	Air-Florida	8260B	
LCSD 720-11129/2	Lab Control Spike Duplicate	Air-Florida	8260B	
MB 720-11129/3	Method Blank	Air-Florida	8260B	
720-4631-1	INF MW-3	Air-Florida	8260B	
720-4631-2	INF MW-5	Air-Florida	8260B	
720-4631-3	INF RW-1	Air-Florida	8260B	

Client: SECOR International, Inc.

Job Number: 720-46 31-1

Method Blank - Batch: 720-11129

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-11129/3
Client Matrix: Air-Florida Tedlar Bag
Dilution: 1.0
Date Analyzed: 07/19/2006 0951
Date Prepared: 07/19/2006 0951

Analysis Batch: 720-11129
Prep Batch: N/A
Units: ppm v/v

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result	Qual	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	ND		0.14
Gasoline Range Organics (GRO)-C6-C12	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8	94	77 - 121
1,2-Dichloroethane-d4	94	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-46731-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-11129

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-11129/1	Analysis Batch: 720-11129	Instrument ID: Saturn 2100
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 10 mL
Date Analyzed:	07/19/2006 0858		Final Weight/Volume: 10 mL
Date Prepared:	07/19/2006 0858		Injection Volume:

LCSD Lab Sample ID:	LCSD 720-11129/2	Analysis Batch: 720-11129	Instrument ID: Saturn 2100
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 10 mL
Date Analyzed:	07/19/2006 0925		Final Weight/Volume: 10 mL
Date Prepared:	07/19/2006 0925		Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	87	92	69 - 129	5	20		
Toluene	99	96	70 - 130	3	20		
Methyl tert-butyl ether	86	85	66 - 126	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	96	91	77 - 121
1,2-Dichloroethane-d4	83	84	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL ~~Santa Ana~~ Pleasanton

ConocoPhillips Chain Of Custody Record

100922

1721 South Grand Avenue
Santa Ana, CA 92705
714.258.8610

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3900 South Harbor, Suite 200
Santa Ana, CA. 92704

720-463

ConocoPhillips Work Order Number	DATE: 7-17-06
163SEC003	PAGE: 1 of 1
ConocoPhillips Cost Object	
WNC.1631	

07/20/2006

SAMPLING COMPANY:	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER	GLOBAL ID NO.:
SECOR International Inc		7004	T0600101451

ADDRESS:	SITE ADDRESS (Street and City):	CONOCOPHILLIPS SITE MANAGER:
3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670	15555 Hesperian Boulevard, San Leandro 94579	Thomas Kosel

PROJECT CONTACT (Hardcopy or PDF Report to):	EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:	E-MAIL:	LAB USE ONLY
Diane Barclay	Diane Barclay	(916) 861-0400 ext 300	dbarclay@secor.com	

TELEPHONE:	FAX:	E-MAIL:
(916) 861-0400 x300	(916) 861-0430	dbarclay@secor.com

SAMPLER NAME(S) (Print):	CONSULTANT PROJECT NUMBER
BRIAN HENDERSON	77CP.01630.01

TURNAROUND TIME (CALENDAR DAYS):
☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☒ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

Required Reporting Limit: <10 ppm(v)

Please send EDF and PDF to kwong@secor.com, dbarclay@secor.com

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / Oxygenates	8260B - TPHg / BTEX / oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	[redacted]	Lead ☐Total ☐STLC ☐TCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	INF MW-3	7/17/06	435	Air	1			X						
	INF MW-5	7	525	Air	1			X						
	INF MW-1	7	600	Air	1			X						

TEMPERATURE ON RECEIPT C° 23

RUSH

Relinquished by (Signature)	Received by (Signature)	Date	Time
	Robert Lund	7/18/06	5:32 pm
Relinquished by (Signature)	Received by (Signature)	Date	Time
		7/18/06	
Relinquished by (Signature)	Received by (Signature)	Date	Time
	John McCue STAT	7-19-06	935

3/8/06 Revision

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LOGIN SAMPLE RECEIPT CHECK LIST

Client: SECOR International, Inc. Job Number: 720-463 1-1

Login Number: 4631

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 720-4837-1

Job Description: Conocp Phillips #7004

For:
SECOR International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Mr. Thomas M Potter

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
08/07/2006

Project Manager: Dimple Sharma

METHOD SUMMARY

Client: SECOR International, Inc. Job Number: 720-48-37-1

Description	Lab Location	Method	Preparation Method
Matrix: Air-Florida			
Volatile Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap with Tedlar Bags (72 Hour Hold	STL-SF		SW846 5030B
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: SECOR International, Inc.

Job Number: 720-48 37-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-4837-1	INF	Air-Florida Tedlar	08/01/2006 1100	08/01/2006 1134
720-4837-2	EFF	Air-Florida Tedlar	08/01/2006 1055	08/01/2006 1134
720-4837-3	KO	Water	08/01/2006 1030	08/01/2006 1134

Client: SECOR International, Inc.

Job Number: 720-4837-1

Client Sample ID: KO

Lab Sample ID: 720-4837-3
Client Matrix: Water

Date Sampled: 08/01/2006 1030
Date Received: 08/01/2006 1134

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 08/03/2006 1848
Date Prepared: 08/03/2006 1848

Analysis Batch: 720-11681

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\20060803\08
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	0.85		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	7.0		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	55		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	78	77 - 121
1,2-Dichloroethane-d4	101	73 - 130

Client: SECOR International, Inc.

Job Number: 720-4837-1

Client Sample ID: INF

Lab Sample ID: 720-4837-1
Client Matrix: Air-Florida

Date Sampled: 08/01/2006 1100
Date Received: 08/01/2006 1134

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 08/01/2006 1440
Date Prepared: 08/01/2006 1440

Analysis Batch: 720-11610

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	ND		0.14
Gasoline Range Organics (GRO)-C6-C12	23		5.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	88	77 - 121
1,2-Dichloroethane-d4	93	73 - 130

Client: SECOR International, Inc.

Job Number: 720-4837-1

Client Sample ID: EFF

Lab Sample ID: 720-4837-2
Client Matrix: Air-Florida

Date Sampled: 08/01/2006 1055
Date Received: 08/01/2006 1134

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 08/01/2006 1414
Date Prepared: 08/01/2006 1414

Analysis Batch: 720-11610

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	ND		0.14
Gasoline Range Organics (GRO)-C6-C12	ND		5.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	87	77 - 121
1,2-Dichloroethane-d4	92	73 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: SECOR International, Inc.

Job Number: 720-4837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-11681				
LCS 720-11681/16	Lab Control Spike	Water	8260B	
LCSD 720-11681/15	Lab Control Spike Duplicate	Water	8260B	
MB 720-11681/17	Method Blank	Water	8260B	
720-4837-3	KO	Water	8260B	
720-4856-A-4 MS	Matrix Spike	Water	8260B	
720-4856-A-4 MSD	Matrix Spike Duplicate	Water	8260B	
Air Toxics				
Analysis Batch:720-11610				
LCS 720-11610/1	Lab Control Spike	Air-Florida	8260B	
LCSD 720-11610/2	Lab Control Spike Duplicate	Air-Florida	8260B	
MB 720-11610/3	Method Blank	Air-Florida	8260B	
720-4837-1	INF	Air-Florida	8260B	
720-4837-2	EFF	Air-Florida	8260B	

Client: SECOR International, Inc.

Job Number: 720-48 37-1

Method Blank - Batch: 720-11681

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-11681/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/03/2006 1004
Date Prepared: 08/03/2006 1004

Analysis Batch: 720-11681
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\2006\08\0
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	88	77 - 121
1,2-Dichloroethane-d4	92	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-48 37-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-11681

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-11681/16	Analysis Batch: 720-11681	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\2006\08\0
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	08/03/2006 0911		Final Weight/Volume: 10 mL
Date Prepared:	08/03/2006 0911		

LCSD Lab Sample ID:	LCSD 720-11681/15	Analysis Batch: 720-11681	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\20060\08\0
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	08/03/2006 0937		Final Weight/Volume: 10 mL
Date Prepared:	08/03/2006 0937		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	100	100	69 - 129	0	25		
MTBE	87	92	65 - 165	5	25		
Toluene	104	100	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	88	87	77 - 121
1,2-Dichloroethane-d4	86	88	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-4837-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-11681

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-4856-A-4 MS	Analysis Batch: 720-11681	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\20060608\
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	08/03/2006 1030		Final Weight/Volume: 10 mL
Date Prepared:	08/03/2006 1030		

MSD Lab Sample ID:	720-4856-A-4 MSD	Analysis Batch: 720-11681	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\20060608\0
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	08/03/2006 1056		Final Weight/Volume: 10 mL
Date Prepared:	08/03/2006 1056		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	107	92	69 - 129	15	20		
MTBE	100	89	65 - 165	11	20		
Toluene	111	94	70 - 130	16	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8	88	88	77 - 121
1,2-Dichloroethane-d4	88	95	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-48 37-1

Method Blank - Batch: 720-11610

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-11610/3
Client Matrix: Air-Florida Tedlar Bag
Dilution: 1.0
Date Analyzed: 08/01/2006 1033
Date Prepared: 08/01/2006 1033

Analysis Batch: 720-11610
Prep Batch: N/A
Units: ppm v/v

Instrument ID: Saturn 2100
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result	Qual	RL
Benzene	ND		0.31
Toluene	ND		0.26
Ethylbenzene	ND		0.23
Xylenes, Total	ND		0.23
Methyl tert-butyl ether	ND		0.14
Gasoline Range Organics (GRO)-C6-C12	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8	88	77 - 121
1,2-Dichloroethane-d4	97	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc. Job Number: 720-48537-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-11610

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-11610/1	Analysis Batch: 720-11610	Instrument ID: Saturn 2100
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 10 mL
Date Analyzed:	08/01/2006 0941		Final Weight/Volume: 10 mL
Date Prepared:	08/01/2006 0941		Injection Volume:

LCSD Lab Sample ID:	LCSD 720-11610/2	Analysis Batch: 720-11610	Instrument ID: Saturn 2100
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 10 mL
Date Analyzed:	08/01/2006 1007		Final Weight/Volume: 10 mL
Date Prepared:	08/01/2006 1007		Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	100	84	69 - 129	17	20		
Toluene	95	83	70 - 130	13	20		
Methyl tert-butyl ether	93	85	66 - 126	9	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	87	89	77 - 121
1,2-Dichloroethane-d4	85	88	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

120-7057

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:
CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Order Number: 1631SE C013
ConocoPhillips Cost Object: WNO.1 631

PLING COMPANY: COR International, Inc.	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: Former 76 Station No. 7004	GLOBAL ID NO.: T0600101451
ORESS: 17 Kilgore Rd., Suite 100		SITE ADDRESS (Street and City): 15599 Hesperian Blvd., San Leandro, CA	
ROJECT CONTACT (Hardcopy or PDF Report to): omas M. Potter		EDF DELIVERABLE TO (RP or Designee): Thomas M. Potter	PHONE NO.: 916-861-0400
LEPHONE: 5-861-0400 ex. 288	FAX: 916-861-0430	E-MAIL: tpotter@secor.com	E-MAIL: tpotter@secor.com
PLER NAME(S) (Print): Brian Henderson	CONSULTANT PROJECT NUMBER: 77CP.67004.08.0009		

REQUESTED ANALYSES

URNAROUND TIME (CALENDAR DAYS):
☐ 14 DAYS ☑ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

PECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP		R-149		TPH (Middle Distillates)	TPH (Residule Fuels)					
	INF	9/1/06	1100	Air	1		X																
	EFF		1035	Air	1		X																
	KO		1630	Water	3			X															

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/1/06
Relinquished by: (Signature)	Received by: (Signature)	Date:
Relinquished by: (Signature)	Received by: (Signature)	Date:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: SECOR International, Inc. Job Number: 720-48357-1

Login Number: 4837

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 720-5358-1

Job Description: Conocp Phillips #7004

For:
SECOR International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Mr. Thomas M Potter

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
09/15/2006

Project Manager: Dimple Sharma

METHOD SUMMARY

Client: SECOR International, Inc. Job Number: 720-53358-1

Description	Lab Location	Method	Preparation Method
Matrix: Air-Florida			
Volatile Compounds by GC/MS	STL SF	SW846 8260B	
Purge and Trap with Tedlar Bags (72 Hour Hold	STL SF		SW846 5030B
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: SECOR International, Inc. Job Number: 720-53-58-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-5358-1	INF	Air-Florida Tedlar Bag	09/05/2006 1230	09/05/2006 1307
720-5358-2	EFF	Air-Florida Tedlar Bag	09/05/2006 1225	09/05/2006 1307
720-5358-3	KO	Water	09/05/2006 1215	09/05/2006 1307

Client: SECOR International, Inc.

Job Number: 720-5358-1

Client Sample ID: KO

Lab Sample ID: 720-5358-3
Client Matrix: Water

Date Sampled: 09/05/2006 1215
Date Received: 09/05/2006 1307

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/08/2006 1201
Date Prepared: 09/08/2006 1201

Analysis Batch: 720-12943

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\2006O9\09
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		250
Ethylbenzene	ND		0.50
MTBE	3.1		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	77 - 121
1,2-Dichloroethane-d4 (Surr)	107	73 - 130

Client: SECOR International, Inc.

Job Number: 720-5358-1

Client Sample ID: INF

Lab Sample ID: 720-5358-1
Client Matrix: Air-Florida Tedlar Bag

Date Sampled: 09/05/2006 1230
Date Received: 09/05/2006 1307

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2006 1944
Date Prepared: 09/05/2006 1944

Analysis Batch: 720-12827

Instrument ID: Varian 3900C
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.062
Toluene	ND		0.052
Ethylbenzene	ND		0.046
Xylenes, Total	0.050		0.046
Methyl tert-butyl ether	0.10		0.028
Gasoline Range Organics (GRO)-C6-C12	11		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	77 - 121
1,2-Dichloroethane-d4 (Surr)	110	73 - 130

Client: SECOR International, Inc.

Job Number: 720-5358-1

Client Sample ID: EFF

Lab Sample ID: 720-5358-2
Client Matrix: Air-Florida Tedlar Bag

Date Sampled: 09/05/2006 1225
Date Received: 09/05/2006 1307

8260B Volatile Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2006 1917
Date Prepared: 09/05/2006 1917

Analysis Batch: 720-12827

Instrument ID: Varian 3900C
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
Injection Volume:

Analyte	Result (ppm v/v)	Qualifier	RL
Benzene	ND		0.062
Toluene	ND		0.052
Ethylbenzene	ND		0.046
Xylenes, Total	ND		0.046
Methyl tert-butyl ether	ND		0.028
Gasoline Range Organics (GRO)-C6-C12	ND		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	109	73 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: SECOR International, Inc.

Job Number: 720-5358-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-12943					
LCS 720-12943/2	Lab Control Spike	T	Water	8260B	
LCSD 720-12943/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-12943/3	Method Blank	T	Water	8260B	
720-5358-3	KO	T	Water	8260B	
720-5358-3MS	Matrix Spike	T	Water	8260B	
720-5358-3MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

Air Toxics					
Analysis Batch:720-12827					
LCS 720-12827/2	Lab Control Spike	T	Air-Florida	8260B	
LCSD 720-12827/3	Lab Control Spike Duplicate	T	Air-Florida	8260B	
MB 720-12827/1	Method Blank	T	Air-Florida	8260B	
720-5358-1	INF	T	Air-Florida	8260B	
720-5358-2	EFF	T	Air-Florida	8260B	

Report Basis
T = Total

Client: SECOR International, Inc.

Job Number: 720-5[illegible]58-1

Method Blank - Batch: 720-12943

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-12943/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/08/2006 1104
Date Prepared: 09/08/2006 1104

Analysis Batch: 720-12943
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\2006[illegible]09\0[illegible]
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		250
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	109	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-53358-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-12943

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-12943/2	Analysis Batch:	720-12943	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\2006\09\0
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/08/2006 0938			Final Weight/Volume:	10 mL
Date Prepared:	09/08/2006 0938				

LCSD Lab Sample ID:	LCSD 720-12943/1	Analysis Batch:	720-12943	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\2006\09\09(
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/08/2006 1004			Final Weight/Volume:	10 mL
Date Prepared:	09/08/2006 1004				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	93	94	69 - 129	2	25		
MTBE	109	123	65 - 165	12	25		
Toluene	102	103	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	100	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	100	103	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-5358-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-12943

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-5358-3	Analysis Batch: 720-12943	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\20[illegible]609\(
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	09/08/2006 1227		Final Weight/Volume: 10 mL
Date Prepared:	09/08/2006 1227		

MSD Lab Sample ID:	720-5358-3	Analysis Batch: 720-12943	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\2006-09\0[illegible]
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	09/08/2006 1254		Final Weight/Volume: 10 mL
Date Prepared:	09/08/2006 1254		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual / MSD Qual
Benzene	96	89	69 - 129	7	20	
MTBE	123	114	65 - 165	6	20	
Toluene	103	99	70 - 130	4	20	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	101	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	100	102	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-53358-1

Method Blank - Batch: 720-12827

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-12827/1
Client Matrix: Air-Florida Tedlar Bag
Dilution: 1.0
Date Analyzed: 09/05/2006 1250
Date Prepared: 09/05/2006 1250

Analysis Batch: 720-12827
Prep Batch: N/A
Units: ppm v/v

Instrument ID: Varian 3900C
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL
Injection Volume:

Analyte	Result	Qual	RL
Benzene	ND		0.062
Toluene	ND		0.052
Ethylbenzene	ND		0.046
Xylenes, Total	ND		0.046
Methyl tert-butyl ether	ND		0.028
Gasoline Range Organics (GRO)-C6-C12	ND		1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	108	77 - 121
1,2-Dichloroethane-d4 (Surr)	112	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SECOR International, Inc.

Job Number: 720-53358-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-12827

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-12827/2	Analysis Batch: 720-12827	Instrument ID: Varian 3900C
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 40 mL
Date Analyzed:	09/05/2006 1130		Final Weight/Volume: 40 mL
Date Prepared:	09/05/2006 1130		Injection Volume:

LCSD Lab Sample ID:	LCSD 720-12827/3	Analysis Batch: 720-12827	Instrument ID: Varian 3900C
Client Matrix:	Air-Florida Tedlar Bag	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: ppm v/v	Initial Weight/Volume: 40 mL
Date Analyzed:	09/05/2006 1157		Final Weight/Volume: 40 mL
Date Prepared:	09/05/2006 1157		Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	99	100	69 - 129	1	20		
Toluene	107	88	70 - 130	19	20		
Methyl tert-butyl ether	94	91	66 - 126	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	107	94	77 - 121
1,2-Dichloroethane-d4 (Surr)	107	107	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Dee Hutchinson 3611 South Harbor, Suite 200 Santa Ana, [illegible] 92704

720-5358

ConocoPhillips Work Order Num: 1631S EC013

ConocoPhillips Cost Object: WNO.1631

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: Former 76 Station No. 7004	GLOBAL ID NO.: T0600101451
ADDRESS: 3017 Kilgore Rd., Suite 100		SITE ADDRESS (Street and City): 15599 Hesperian Blvd., San Leandro, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Thomas M. Potter		EDF DELIVERABLE TO (RP or Designee): Thomas M. Potter	PHONE NO.: 916-861-0400
TELEPHONE: 916-861-0400 ex. 288 / FAX: 916-861-0430	E-MAIL: tpotter@secor.com		E-MAIL: tpotter@secor.com
SAMPLER NAME(S) (Print): Brian Henderson	CONSULTANT PROJECT NUMBER: 77CP.67004.08.0009		

TURNAROUND TIME (CALENDAR DAYS):

☐ 14 DAYS ☑ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

REQUESTED ANALYSES

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP		R-149		TPH (Middle Distillates)	TPH (Residule Fuels)				
	INF	9/5/06	1230	Air	1		X															
	EFF	"	1225	Air	1		X															
	KO	"	1215	Water	3			X														

Relinquished by: (Signature) — Received by: (Signature) — Date: 9/5/06

Relinquished by: (Signature) — Received by: (Signature) — Date:

Relinquished by: (Signature) — Received by: (Signature) — Date:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: SECOR International, Inc.

Job Number: 720-53583-1

Login Number: 5358

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ATTACHMENT 3
VEOLIA TRANSPORTATION LOG

Quarterly Status and Remediation Summary Report – Third Quarter 2006
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.00.0304
November 6, 2006

Site #:	257004
Address:	15599 Hesperian Blvd.
Conoco Contact:	Thomas Kosel
Consultant:	SECOR, Diane Barclay

VEOLIA TRANSPORTATION LOG

Summary of Gallons Transported

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2006	0	0	19,500	50,000	0	58,200	85,600	112,500	89,700		0	0	415,500

Detail

Date	Gallons	Comments
3/28/2006	5000	
3/29/2006	6500	
3/30/2006	4000	
3/31/2006	4000	
4/1/2006	4000	
4/5/2006	3000	
4/7/2006	3500	
4/8/2006	3500	
4/9/2006	4500	
4/10/2006	4000	
4/11/2006	5000	
4/12/2006	5500	
4/13/2006	5500	
4/14/2006	5000	
4/15/2006	5000	
4/16/2006	1500	
6/1/2006	5500	
6/5/2006	5000	
6/7/2006	5400	
6/12/2006	5400	
6/19/2006	1000	
6/20/2006	1000	
6/21/2006	5000	
6/22/2006	5000	
6/23/2006	5000	
6/24/2006	5400	
6/25/2006	4000	
6/26/2006	1500	
6/27/2006	4000	
6/28/2006	5000	
6/29/2006	4000	
6/30/2006	4000	
7/1/2006	5000	
7/2/2006	5000	
7/3/2006	5000	
7/5/2006	5000	
7/6/2006	5000	
7/7/2006	5000	
7/9/2006	5000	
7/10/2006	5000	
7/11/2006	8500	
7/14/2006	4200	
7/15/2006	4200	
7/18/2006	2400	
7/19/2006	5000	
7/20/2006	3500	

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3/29/2006	6500	
7/21/2006	5000	
7/22/2006	2400	
7/23/2006	2400	
7/24/2006	5000	
7/25/2006	2500	
8/2/2006	4000	
8/3/2006	3500	
8/4/2006	3000	
8/5/2006	3500	
8/6/2006	3000	
8/7/2006	3000	
8/8/2006	3000	
8/9/2006	4500	
8/10/2006	4000	
8/11/2006	5000	
8/12/2006	5000	
8/13/2006	5000	
8/14/2006	4500	
8/15/2006	5000	
8/16/2006	5000	
8/17/2006	4500	
8/18/2006	4500	
8/19/2006	4500	
8/20/2006	4500	
8/21/2006	5000	
8/22/2006	5000	
8/23/2006	4500	
8/24/2006	4500	
8/25/2006	4000	
8/26/2006	3000	
8/30/2006	5000	
8/31/2006	4500	
9/1/2006	2400	
9/2/2006	4000	
9/3/2006	2400	
9/4/2006	2400	
9/5/2006	3500	
9/6/2006	2500	
9/7/2006	3000	
9/8/2006	4000	
9/9/2006	3000	
9/10/2006	3000	
9/11/2006	3500	
9/12/2006	4000	

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9/18/2006	4000	
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9/20/2006	4000	
9/21/2006	3000	
9/22/2006	3000	
9/23/2006	6500	
9/26/2006	3000	
9/30/2006	4500	