**ADR Environmental Group, Inc.**

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July 31, 2009

Mr. L. Gerald Hunt
Stockbridge/BHV Emerald Place Land Co., LLP
c/o Blake Hunt Ventures
390 Railroad Avenue, Suite 200
Danville, California 94526

**Re: Remedial Soil Excavation and Sampling Data Report**
**The Green on Park Place**
5411 Martinelli Way (SEC Martinelli Way & Arnold Road)
Dublin, California 94568
Fuel Leak Case No. RO0002993
GeoTracker Global ID T10000000822

Dear Mr. Hunt:

ADR Environmental Group, Inc. (ADR) is pleased to submit this letter report discussing the results of soil excavation activities conducted at the future Green on Park Place shopping center located at the 5411 Martinelli Way (southeast corner of Martinelli Way and Arnold Road) in Dublin, California (subject Property). Field work was conducted at the site on May 12, 2009, in accordance with an ADR work plan dated November 10, 2008. ADR provided an environmental scientist to oversee the over-excavation of soil associated with a currently open underground storage tank (UST) pit located on the subject Property. The goal of the remedial activities was to evaluate the vertical and lateral extent of petroleum impacted soil and groundwater (if encountered) and over-excavate around the tank pit to remove the impacted soils that may serve as a source to degrade groundwater.

## BACKGROUND

The subject Property is a 13.57 acre parcel of land currently being redeveloped as a shopping center named the Green on Park Place (Figure 1). The subject Property was formerly a portion of Camp Shoemaker, a naval facility built during World War II, and reportedly contained a gatehouse, a guest reception lounge, an athletic field (Forster Field), an athletic field house and a portion of a warehouse receiving area. It is though that the subject Property was later transferred to the County of Alameda and was either a portion of the Santa Rita Correctional Facility or the Parks Air Force Base. The structures on the subject Property are thought to have been demolished in the mid 1990s.

In September 2008, during grading activities associated with redevelopment of the subject Property as a shopping center, a steel UST was discovered near the southwest corner of the subject Property, to the west of future Building 200 that will be utilized as a parking lot for the new shopping center. While it is not certain when or for what purpose the UST was installed, the UST appears to be near the location of the former guest reception lounge and is therefore thought to have been used for fuel oil to heat the former building or dispensing diesel fuel. The UST was located approximately 103 feet east of Arnold Road and 375 feet north of the southern property line. The construction equipment, grading and ripping the site, reportedly tore several

holes in the top of the UST. However, no spills or leakage was noted following the incident. At the time of the incident the UST was reportedly nearly full with a petroleum smelling liquid. Upon hitting the UST, it was demarcated and no further work was done in the immediate area.

As documented in the October 29, 2008, *Tank Closure Report* prepared by ADR: In October 2008, Ferma Corporation removed and disposed of the approximately 1,100-gallon UST and its contents (915 gallons) under the UST Closure Plan approved by ACDEH on October 1, 2008. Approximately 50 to 55 cubic yards of soil was removed from the UST pit, stockpiled on plastic, and covered pending disposal (Figure 2). Soil samples were collected from the UST pit and stockpiled soil by ADR and submitted to McCampbell Analytical for analysis of total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) by EPA Method 8015 modified, Oil & Grease (O&G) by EPA Method 9071B, 1,4-Dioxane by EPA Method 8260B, polychlorinated biphenyls (PCBs) by EPA Method 8082, volatile organic compounds (VOCs) by EPA Method 8260B, semi-VOCs (SVOCs) by EPA Method 8270C, and cadmium, chromium, lead, nickel, and zinc (LUFT 5 metals) by EPA Method 6010C. Results of the samples indicated that TPHd (190 milligrams per Kilogram (mg/Kg)) and 2-methylnaphthalene (1 mg/Kg) concentrations in the tank excavation at 6 feet below the floor of the excavation (approximately 12 feet below grade) exceeded the shallow soil (<3 meters) Regional Water Quality Control Board – San Francisco Bay Region (RWQCB), Tier 1 Environmental Screening Levels (ESLs) for both commercial and residential land use (also used for unrestricted land use), while naphthalene (2.1 mg/Kg) concentrations exceeded the ESL for residential/unrestricted land use. Additionally, TPHd (590 mg/Kg), naphthalene (3.1 mg/Kg), and 2-methylnaphthalene (15 mg/Kg) in stockpile SP-1 exceeded the ESLs for both commercial and residential/unrestricted land use. Further, TPHd (110 mg/Kg) and 2-methylnaphthalene (15 mg/Kg) concentrations in stockpile SP-2 exceeded the ESLs for both commercial and residential/unrestricted land use.

Based on the observations made during the removal of the UST and the chemical results of tank pit and stockpile soil sampling indicating a release of hydrocarbons at the site, an Unauthorized Release (Leak)/Contamination Site Report was submitted to ACDEH.

On November 10, 2008, ADR prepared a Work Plan for Over-Excavation and Sampling of the UST Pit (*Work Plan*) to evaluate the vertical and lateral extent of soil contamination and characterize the groundwater beneath the floor of the excavation. A copy of ADR's *Work Plan* was submitted to ACDEH for review and comments. In a letter dated March 16, 2009, ACDEH approved the *Work Plan* as submitted with minor technical comments.

## OVER-EXCAVATION FIELD ACTIVITIES

In accordance with ADR's *Work Plan*, on May 12, 2009, ADR supervised the tank pit soil over-excavation activities. The tank pit soil was removed using an excavator owned and operated by Ferma Corporation (California License A, C21, C57, B, ASB, & HAZ #236337) of Mountain View, California. Soil over-excavation was conducted both laterally and vertically based on periodically soil screening for the presence of organic vapors using a photoionization detector (PID) as well as other indicators such as staining or odors. Soil over-excavation proceeded vertically until groundwater was encountered at a depth of approximately 21 below ground surface (bgs). Native soil was removed from the sidewalls and floor of the excavation until "clean soil limits" (based on PID readings) were thought to have been reached. The area bounding the eastern and western sidewalls of the excavation were extended an additional 4.5 feet and the areas bounding the northern and southern sidewalls were extended an additional 3 feet. The dimensions of the finished excavation were approximately 32-feet long by 22-feet wide with an average depth of 18-feet (Figure 2).

Native soil exposed along the sidewalls and floor of the excavation, to a depth of between 18 and 20 feet bgs, consisted of olive brown to brown, very fine-grained, medium dense, moist to very moist clayey sand and/or sandy clay.

After removal of the soil from the planned area of excavation, PID readings and field observations indicated that the soil containing petroleum hydrocarbon constituents had largely been removed from the tank pit. Confirmation soil samples were subsequently collected from the floor and from the face of each sidewall (at vertical depth of approximately 17 feet bgs) to verify that soil at the limits of the excavation contained non-detectable petroleum hydrocarbon concentrations. When field screening (PID readings, evidence of odors and staining) indicated that the limits of the soil contamination had been reached, verification soil samples were obtained by removing native material from the floor and sidewalls of the excavation with the bucket of the excavator and collecting the samples in brass tube liners and encore samplers. A total of nine confirmation soil samples were collected from the excavation sidewalls and floor. Additionally, a groundwater "grab" sample was collected from the floor of the excavation. Soil and groundwater sampling locations are shown in Figure 2.

Soil generated from the over-excavation activities was placed near the eastern and western ends of the excavation on plastic sheeting (Figure 2). The soil stockpile (combining the eastern and western material; designated STK P-3) contained approximately 150 to 175 cubic yards of material. For the purposes of soil characterization, the stockpile was measured and divided into four equal area cells of approximately 35 to 45 cubic yards each, labeled SKP-3A, B, C, and D. Four discrete soil samples were then collected at random locations from each cell of the stockpile. The discrete soil samples were collected by removing the upper 2 feet of soil with a shovel and collecting the material in brass tubes and core samplers. To characterize the stockpile, the four discrete soil samples collected from stockpile cell were subsequently combined by the analytical laboratory into one four-point composite soil sample. Following the sampling, the soil stockpiles were covered with plastic sheeting and left on site pending analytical results.

## CHEMICAL ANALYSES AND RESULTS

The verification soil samples, the groundwater sample, and the soil stockpile sample were placed in an iced cooler and transported to state of California certified Alpha Analytical, Inc., located in Sparks, Nevada for chemical analysis. The soil and groundwater samples were chemically analyzed for gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by EPA Method 8015 modified (silica gel cleanup was used for DRO and ORO), VOCs by EPA method 8260B, and polynuclear aromatics/polycyclic aromatic hydrocarbons (PNA/PAH) by EPA Method 8270C. Soil sample results are compiled in Tables 1 and 2 and the laboratory data sheets and chain-of-custody documentation are included in Appendix A.

**TABLE 1**

**Soil and Groundwater Sample Analytical Results, Petroleum Hydrocarbons**
**The Green on Park Place, Dublin, California**
*Soil Concentrations in milligrams per Kilogram (mg/Kg)*
*Water Concentrations in micrograms per Liter (µg/L)*

| Location and Sample Number | Date Sampled | Sample Depth (feet) | GRO[1] | DRO[2] | ORO[3] |
|---|---|---|---|---|---|
| Excavation Groundwater | | | | | |
| TK Exc - Water | 5/12/09 | 21 | **97** | **500** | <500[4] |
| Soil Stockpile | | | | | |
| STK P-3, A,B,C,D | 5/12/09 | 2 | **19** | **10** | <10 |
| Tank Excavation Floor | | | | | |
| TK Exc 21 | 5/12/09 | 21 | <1.0 | <5.0 | <10 |
| Tank Excavation Sidewalls | | | | | |
| TK SW - 1 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| TK SW – 2 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| TK SW – 3 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| TK SW – 4 | 5/12/09 | 17 | **8.6** | **6.7** | <10 |
| TK SW – 5 | 5/12/09 | 17 | **56** | **520** | **84** |
| TK SW – 6 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| TK SW – 7 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| TK SW - 8 | 5/12/09 | 17 | <1.0 | <5.0 | <10 |
| ***Regulatory Standard Comparisons*** | | | | | |
| ***Soil Commercial/Industrial-ESLs[5]*** | | | 83 | 83 | 5,000 |
| ***Soil Residential-ESLs[6]*** | | | 83 | 83 | 5,000 |
| ***Groundwater-ESLs[7]*** | | | 100 | 100 | 100 |
| ***MCLs[8]*** | | | NSL[9] | NSL | NSL |

GRO[1] = Gasoline Range Petroleum Hydrocarbons by Method SW8015Cm.
DRO[2] = Diesel Range Petroleum Hydrocarbons (with Silica Gel Treatment) by Method SW8015B.
ORO[3] = Oil Range Petroleum Hydrocarbons (with Silica Gel Treatment) by Method SW8015B.
<500[4] = Compound not detected at indicated laboratory reporting limit.
ESLs[5] = Environmental Screening Levels (mg/Kg) for commercial/industrial land use and deep soil (>3 meters bgs) where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
ESLs[6] = Environmental Screening Levels (mg/Kg) for residential land use and deep soil (>3 meters bgs) where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
ESLs[7] = Environmental Screening Levels (µg/L) for groundwater where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
MCLs[8] = Maximum Contaminant Level for drinking water standards established by the California Department of Health Services in µg/L.
NSL[9] = No screening level developed.

## TABLE 2

**Soil Sample Analytical Results, VOCS and PNA/PAHs**
**The Green on Park Place, Dublin, California**
*Soil Concentrations in milligrams per Kilogram (mg/Kg)*
*Water Concentrations in micrograms per liter (µg/L)*

| Location and Sample Number | Date Sampled | Sample Depth (feet) | Naphthalene 8260/8270 | Phenanthrene | 2-Methylnaphthalene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | sec-Butylbenzene | 4-Isopropyltoluene | n-Butylbenzene | Remaining PNA/PAHs | Remaining VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excavation Groundwater | | | | | | | | | | | | |
| TK Exc - Water | 5/12/09 | 21 | 7.8/<10[1] | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | ND[2] |
| Soil Stockpile | | | | | | | | | | | | |
| STK P-3, A,B,C,D | 5/12/09 | 2 | 0.23/<0.66 | <0.66 | <0.66 | 0.023 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| Tank Excavation Floor | | | | | | | | | | | | |
| TK Exc 21 | 5/12/09 | 21 | <0.04/<.066 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| Tank Excavation Sidewalls | | | | | | | | | | | | |
| TK SW - 1 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW – 2 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW – 3 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW – 4 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW – 5 | 5/12/09 | 17 | 2.5/2.0 | 1.1 | 11 | 0.088 | 0.031 | 0.021 | 0.037 | 0.032 | <0.66 | ND |
| TK SW – 6 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW – 7 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| TK SW - 8 | 5/12/09 | 17 | <0.04/<0.66 | <0.66 | <0.66 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.66 | ND |
| ***Regulatory Standard Comparisons*** | | | | | | | | | | | | |
| ***Commercial/Industrial-ESLs[3]*** | | | 3.4 | 11 | 0.25 | NSL | NSL | NSL | NSL | NSL | - | - |
| ***Residential-ESLs[4]*** | | | 3.4 | 11 | 0.25 | NSL | NSL | NSL | NSL | NSL | - | - |
| ***Groundwater-ESLs[5]*** | | | 17 | 4.6 | 2.1 | NSL | NSL | NSL | NSL | NSL | - | - |
| ***MCLs[6]*** | | | NSL | NSL | NSL | NSL | NSL | NSL | NSL | NSL | - | - |

**<10[1] = Compound not detected at indicated laboratory reporting limit.**
**ND[2] = Compound not detected.**
**ESLs[3] = Environmental Screening Levels (mg/Kg) for commercial/industrial land use and deep soil (>3 meters bgs) where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.**
**ESLs[4] = Environmental Screening Levels (mg/Kg) for residential land use and deep soil (>3 meters bgs) where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.**
**ESLs[5] = Environmental Screening Levels (µg/L) for groundwater where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.**
**MCLs[6] = Maximum Contaminant Level for drinking water standards established by the California Department of Health Services in µg/L.**
**NSL[9] = No screening level developed.**

Soil sample analytical results indicate that samples collected from the northern, eastern, northwestern, and southwestern sidewall areas and the floor of the excavation did not contain detectable concentrations of GRO, DRO, ORO, VOCs, or PNA/PAHs. However, the soil samples collected from the southwest corner of the excavation (TK SW-4 and TK SW-5) contained GRO, DRO, and /or ORO constituents at concentrations ranging from 6.7 to 520 mg/Kg. Additionally, soil sample TK SW-5 detected the presence of various VOC and/or PNA/PAHs at concentrations ranging from 0.021 to 2.5 mg/Kg. Results of the tank excavation floor groundwater sample detected the presence of GRO (97 µg/L), DRO (550 µg/L), and naphthalene (7.8 µg/L). The remaining petroleum hydrocarbons, VOCs, and semi-VOCs were below laboratory reporting limits.

Laboratory results of the stockpile soil sampling indicated that low concentrations of GRO (19 mg/Kg), DRO (10 mg/Kg), naphthalene (0.23 mg/Kg), and 1,2,4-trimethylbenzene (0.023 mg/Kg) were detected in the composited soil sample.

**Nature and Distribution of Impact**

Analytical results indicate that residual concentrations of contaminants of concern are still present in the southeastern corner of the tank excavation. Sidewall verification soil samples collected in the southeastern corner indicated that soils in this area are impacted with petroleum hydrocarbons and various VOC and PNA/PAH constituents. However, only the DRO and 2-methylnaphthalene concentrations detected in sidewall sample TK SW-5 exceeded the deep soil (>3 meters) Regional Water Quality Control Board – Bay Area Region (RWQCB) Environmental Screening Level (ESLs) for both commercial and residential land use. Laboratory analyses indicate that groundwater beneath the excavation has been impacted with low concentrations of petroleum hydrocarbons. However, none of petroleum hydrocarbons, VOCs, or PNA/PAHs reported in the excavation floor water sample exceeded the groundwater ESLs as established by the RWQCB, except for a concentration of DRO (500 µg/L).

**Soil Stockpile**

Although composited soil stockpile sample analyses detected elevated concentrations of GRO, DRO, and naphthalene, none of constituents reported exceeded the ESLs for both commercial and residential/unrestricted land use as established by the RWQCB.

## CONCLUSIONS

Approximately 150 cubic yards of soil was excavated from the area around the tank excavation. Eight soil samples were collected from the excavation sidewalls and one sample from the floor of the excavation. The soil sample analytical results indicated that the northern and eastern sidewalls and the excavation floor did not contain detectable concentrations of petroleum constituents, VOCs, or PNA/PAHs. However, GRO, DRO, and/or ORO reportedly were detected in sidewall samples TK SW-4 and TK SW-5 (located along the sidewalls of the southeastern corner) at concentrations ranging from 6.7 to 520 mg/Kg. Various VOCs and PNA/PAHs, including naphthalene, were also detected in sidewall sample TK SW-5. Although low concentrations of GRO, DRO, and naphthalene were reported in the groundwater sample collected from the excavation floor, the remaining petroleum hydrocarbons, VOCs, and semi-VOCs were below laboratory reporting limits.

## ASSESSMENT OF NEED FOR REMEDIAL ACTION

Based on the reported contaminants detected in the southwestern corner of the excavation, it is ADR's opinion that further action is warranted with respect to remaining soil in that area. Remedial action is generally required in cases where site contamination potentially threaten human or ecologic receptors. In the case of the subject Property, the potential threat exists as the proximity of impacted soil to first encountered groundwater, the site may pose a potential source of degradation to groundwater. Although groundwater beneath the excavation has been impacted with GRO and DRO petroleum hydrocarbons and naphthalene, the concentrations should not require immediate remedial action in order to reduce the risk to exposure to site receptors. Because low concentrations of petroleum hydrocarbons and naphthalene typically attenuate over time due to natural biodegradation, the removal of the soil contaminant source should results in a decrease in groundwater concentrations.

## POTENTIAL APPROPRIATE REMEDIAL ALTERNATIVES

### Soil

Paving – Prevents contact with material; impedes percolation of rainwater and water-influence leaching and consequent migration of contaminants. Although paving will prohibit contact by site users with impacted soil, it will not prevent contact by construction or utility workers. In light of other viable alternatives, paving by itself is not anticipated to be remedy of agency preference.

Targeted Removal – Consists of excavation and subsequent disposal of impacted soil in the area of concern. As the anticipated volume of soil in not prohibitively large and the excavation remains open, this approach is considered practical and protective of the environment and allows for delineation of the vertical and lateral extent of contamination while permanently removing the source of potential further groundwater degradation. The cost for implementation is anticipated to be low to moderate. Agency and community acceptance is anticipated to be high.

No Action – Requires no remedial action with the exception of possible periodic monitoring and sampling. Practical future contact with contaminants is unlikely and where contaminants are not expected to migrate from the source and with time ultimately degrade/decline in concentration. However, overall protection of human health and the environment is considered low and unlikely to be considered appropriate by regulatory agencies or gain community acceptance.

**Groundwater**

Since the impacted area is likely localized and contaminate concentrations are not a significant threat to water quality and may be skewed high by excavation activities, active remediation is likely not warranted. Since the contaminant source areas have or will be removed, future contact with groundwater is unlikely. Considering the nature of the low permeability soil (largely clayey sand and/or sandy clay) the contaminants in the groundwater are not expected to migrate further from the source and are amenable to natural degradation processes which will restore water quality over time.

## RECOMMENDED REMEDIAL/INVESTIGATIVE APPROACH

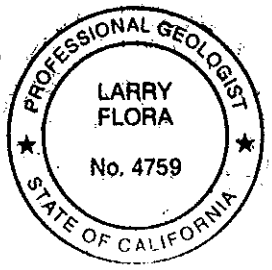
Based on the review of remedial alternative, for the reasons stated above, ADR recommends that the Targeted Removal alternative be selected for impacted soil. This work will consist of additional over-excavation of soil utilizing the excavation, disposal, and confirmatory sampling procedures set forth in the November 10, 2008 Work Plan, previously approved by ACEHD. It is anticipated that an additional approximately 100 - 150 bank cubic yards of soil will be over-excavated from the southwest portion of the currently open excavation area to the southwest of the location of sample TK SW-5. In the event that appreciable accumulation of groundwater remains or is encountered during the excavation, groundwater will be pumped from the excavation pit and properly disposed of. Upon results of the confirmation sampling and analysis, further remedial measures, if any, will be evaluated.

## CLOSURE

This report was prepared in accordance with generally accepted environmental practices and procedures, employing the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area, as of the date of this report.

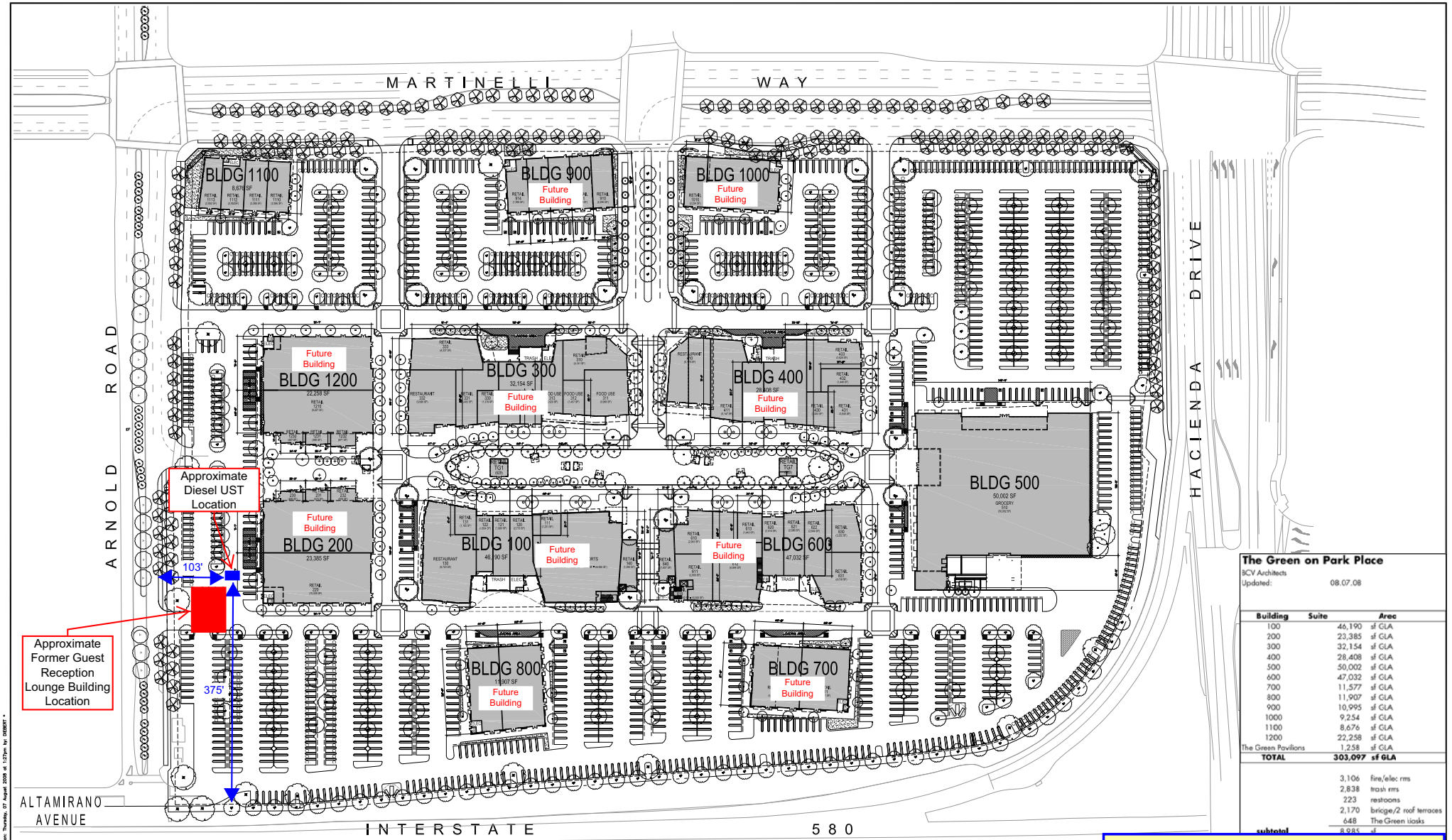
Sincerely,

**ADR Environmental Group, Inc.**




Larry A. Flora, P.G. #4759
Geologist

Attachments: Figures
Analytical Results and Chain of Custody




**The Green on Park Place**
BCV Architects
Updated: 08.07.08

| Building | Suite | Area |
|---|---|---|
| 100 | 46,190 | sf GLA |
| 200 | 23,385 | sf GLA |
| 300 | 32,154 | sf GLA |
| 400 | 28,408 | sf GLA |
| 500 | 50,002 | sf GLA |
| 600 | 47,032 | sf GLA |
| 700 | 11,577 | sf GLA |
| 800 | 11,907 | sf GLA |
| 900 | 10,995 | sf GLA |
| 1000 | 9,254 | sf GLA |
| 1100 | 8,676 | sf GLA |
| 1200 | 22,258 | sf GLA |
| The Green Pavilions | 1,258 | sf GLA |
| **TOTAL** | **303,097** | **sf GLA** |
| | 3,106 | fire/elec rms |
| | 2,838 | trash rms |
| | 223 | restrooms |
| | 2,170 | bridge/2 roof terraces |
| | 648 | The Green kiosks |
| subtotal | 8,985 | sf |

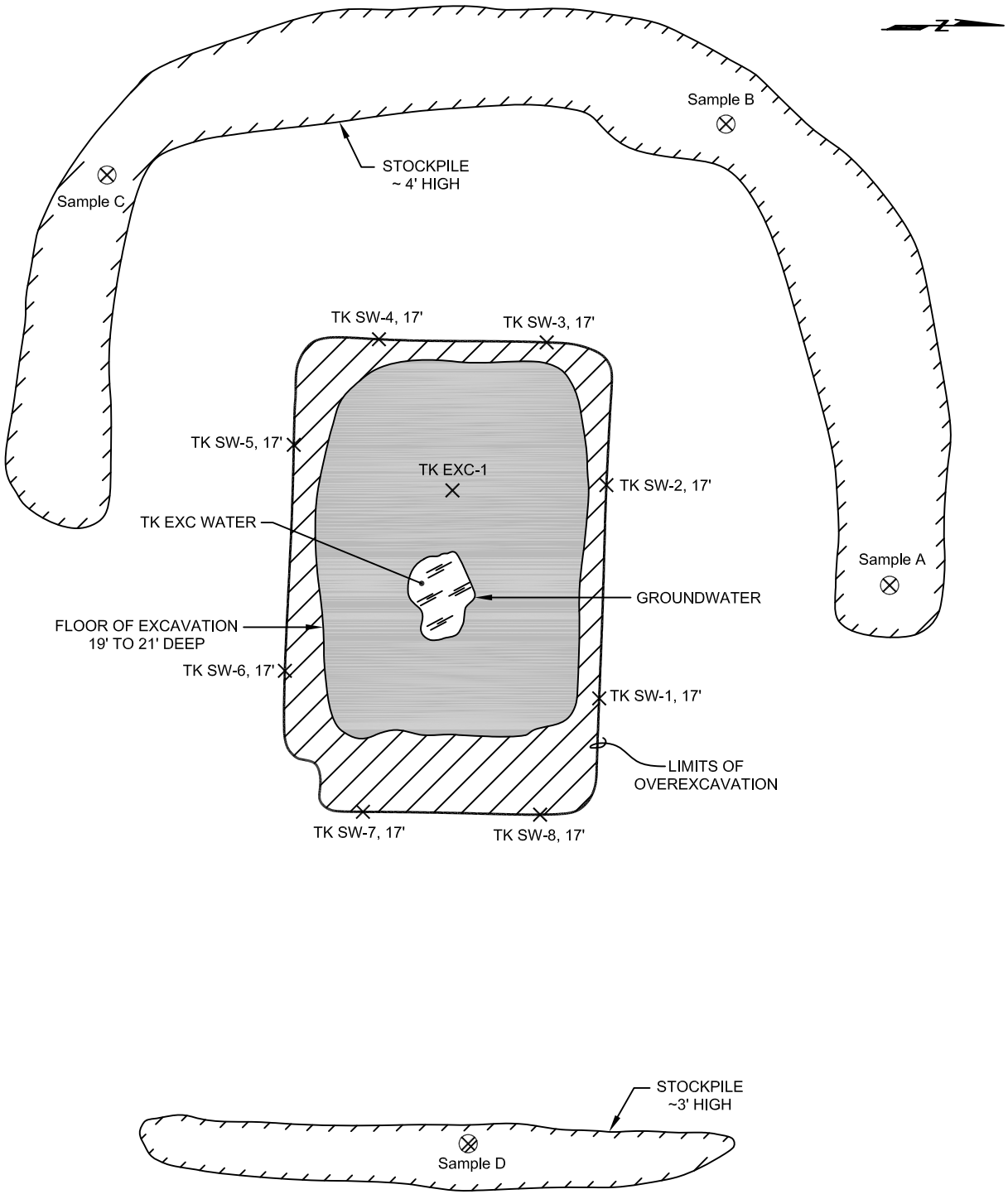
**DEMISED LEASING PLAN**
**SITE PLAN**
1" = 50'-0"

BCV | STOCKBRIDGE | BLAKE HUNT VENTURES | JMH Weiss, Inc | SMITH+SMITH

thegreen ON PARK PLACE

BALDAUF CATTON VON ECKARTSBERG

**FIGURE 1**
UST LOCATION SITE PLAN
BHV101-08-011-CA
July 2009
**ADR Environmental Group, Inc.**




OVEREXCAVATION SOIL LITHOLOGY

6' TO 10' = SANDY CLAY-Olive Brown, very fine to fine grained, moist to wet, dense.

LEGEND

× EXCAVATION SOIL SAMPLE LOCATION, ADR 5/09

⊗ STOCKPILE SOIL SAMPLE LOCATION, ADR 5/09

0 10'

SCALE, FEET (APPROX.)

ADR Environmental Group, Inc.
Due Diligence and Risk Management
Services Nationwide
(888) 622-3734

UNDERGROUND STORAGE TANK OVEREXCAVATION

The Green on Park Place
Dublin, California

| Project Number: BHV1 01-08-011 CA | Date: May 2009 | Figure: 2 |
|---|---|---|

BH1V-11-F2B 05/25/09 PYM

# *Alpha Analytical, Inc.*

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-01A
Client I.D. Number: TK EXC-Water

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/18/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | | Reporting Limit |
|---|---|---|---|---|
| 1 | Naphthalene | ND | | 10 µg/L |
| 2 | 2-Methylnaphthalene | ND | | 10 µg/L |
| 3 | Acenaphthylene | ND | | 10 µg/L |
| 4 | Acenaphthene | ND | | 10 µg/L |
| 5 | Fluorene | ND | | 10 µg/L |
| 6 | Phenanthrene | ND | | 10 µg/L |
| 7 | Anthracene | ND | | 10 µg/L |
| 8 | Fluoranthene | ND | | 10 µg/L |
| 9 | Pyrene | ND | | 10 µg/L |
| 10 | Benzo(a)anthracene | ND | | 10 µg/L |
| 11 | Chrysene | ND | | 10 µg/L |
| 12 | Benzo(b)fluoranthene | ND | | 10 µg/L |
| 13 | Benzo(k)fluoranthene | ND | | 10 µg/L |
| 14 | Benzo(a)pyrene | ND | | 10 µg/L |
| 15 | Indeno(1,2,3-cd)pyrene | ND | UJ | 10 µg/L |
| 16 | Dibenz(a,h)anthracene | ND | UJ | 10 µg/L |
| 17 | Benzo(g,h,i)perylene | ND | | 10 µg/L |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.

Note: Indeno(1,2,3-cd)pyrene and Dibenz(a,h)anthracene failed the Method CV criteria of 80-120% recoveries @ 78.0 and 78.8%, respectively.

UJ- The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

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

5/28/09
**Report Date**

# *Alpha Analytical, Inc.*

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-06A
Client I.D. Number: Composite of STK P-3 A, B, C, and D

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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5/28/09
**Report Date**

# *Alpha Analytical, Inc.*

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-07A
Client I.D. Number: TK EXC 21 ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-08A
Client I.D. Number: TK SW-1 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-09A
Client I.D. Number: TK SW-2 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-10A
Client I.D. Number: TK SW-3 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/21/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | | Reporting Limit |
|---|---|---|---|---|
| 1 | Naphthalene | ND | | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | | 660 µg/Kg |
| 3 | Acenaphthylene | ND | | 660 µg/Kg |
| 4 | Acenaphthene | ND | | 660 µg/Kg |
| 5 | Fluorene | ND | | 660 µg/Kg |
| 6 | Phenanthrene | ND | | 660 µg/Kg |
| 7 | Anthracene | ND | | 660 µg/Kg |
| 8 | Fluoranthene | ND | | 660 µg/Kg |
| 9 | Pyrene | ND | | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | | 660 µg/Kg |
| 11 | Chrysene | ND | | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | UJ | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.

Note: Benzo(b)fluoranthene failed the Method CV criteria of 80-120%, recovery @ 78.8%.

UJ- The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-11A
Client I.D. Number: TK SW-4 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-12A
Client I.D. Number: TK SW-5 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | 2,000 | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | 11,000 | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | 1,100 | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-13A
Client I.D. Number: TK SW-6 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-14A
Client I.D. Number: TK SW-7 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-15A
Client I.D. Number: TK SW-8 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/19/09

Semivolatile Organics by GC/MS
EPA Method SW8270C

| | Compound | Concentration | Reporting Limit |
|---|---|---|---|
| 1 | Naphthalene | ND | 660 µg/Kg |
| 2 | 2-Methylnaphthalene | ND | 660 µg/Kg |
| 3 | Acenaphthylene | ND | 660 µg/Kg |
| 4 | Acenaphthene | ND | 660 µg/Kg |
| 5 | Fluorene | ND | 660 µg/Kg |
| 6 | Phenanthrene | ND | 660 µg/Kg |
| 7 | Anthracene | ND | 660 µg/Kg |
| 8 | Fluoranthene | ND | 660 µg/Kg |
| 9 | Pyrene | ND | 660 µg/Kg |
| 10 | Benzo(a)anthracene | ND | 660 µg/Kg |
| 11 | Chrysene | ND | 660 µg/Kg |
| 12 | Benzo(b)fluoranthene | ND | 660 µg/Kg |
| 13 | Benzo(k)fluoranthene | ND | 660 µg/Kg |
| 14 | Benzo(a)pyrene | ND | 660 µg/Kg |
| 15 | Indeno(1,2,3-cd)pyrene | ND | 660 µg/Kg |
| 16 | Dibenz(a,h)anthracene | ND | 660 µg/Kg |
| 17 | Benzo(g,h,i)perylene | ND | 660 µg/Kg |

Note: EPA Method 8270C CC compounds Acenaphthene, Fluoranthene and Benzo(a)pyrene were evaluated in the CV at the method criteria of 80-120% recovery.
This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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5/28/09
**Report Date**

# *Alpha Analytical, Inc.*

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-01A
Client I.D. Number: TK EXC-Water

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/18/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L | 36 | m,p-Xylene | ND | 0.50 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L | 37 | Bromoform | ND | 1.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L | 38 | Styrene | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L | 39 | o-Xylene | ND | 0.50 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L | 40 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L | 41 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L | 42 | Isopropylbenzene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L | 43 | Bromobenzene | ND | 1.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L | 44 | n-Propylbenzene | ND | 1.0 | µg/L |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 0.50 | µg/L | 45 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 11 | 1,1-Dichloroethane | ND | 1.0 | µg/L | 46 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 12 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L | 47 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 13 | Bromochloromethane | ND | 1.0 | µg/L | 48 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 14 | Chloroform | ND | 1.0 | µg/L | 49 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 15 | 2,2-Dichloropropane | ND | 1.0 | µg/L | 50 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 16 | 1,2-Dichloroethane | ND | 1.0 | µg/L | 51 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 17 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 52 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 18 | 1,1-Dichloropropene | ND | 1.0 | µg/L | 53 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 19 | Carbon tetrachloride | ND | 1.0 | µg/L | 54 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 20 | Benzene | ND | 0.50 | µg/L | 55 | n-Butylbenzene | ND | 1.0 | µg/L |
| 21 | Dibromomethane | ND | 1.0 | µg/L | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 22 | 1,2-Dichloropropane | ND | 1.0 | µg/L | 57 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 23 | Trichloroethene | ND | 1.0 | µg/L | 58 | Naphthalene | 7.8 | 2.0 | µg/L |
| 24 | Bromodichloromethane | ND | 1.0 | µg/L | 59 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 25 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L | 60 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 26 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L | | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L | | | | | |
| 28 | Toluene | ND | 0.50 | µg/L | | | | | |
| 29 | 1,3-Dichloropropane | ND | 1.0 | µg/L | | | | | |
| 30 | Dibromochloromethane | ND | 1.0 | µg/L | | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L | | | | | |
| 32 | Tetrachloroethene | ND | 1.0 | µg/L | | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | | | | | |
| 34 | Chlorobenzene | ND | 1.0 | µg/L | | | | | |
| 35 | Ethylbenzene | ND | 0.50 | µg/L | | | | | |

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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


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




5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-06A
Client I.D. Number: Composite of STK P-3 A, B, C, and D

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/Kg | 36 m,p-Xylene | ND | 5.0 | µg/Kg |
| 2 | Chloromethane | ND | 40 | µg/Kg | 37 Bromoform | ND | 20 | µg/Kg |
| 3 | Vinyl chloride | ND | 20 | µg/Kg | 38 Styrene | ND | 20 | µg/Kg |
| 4 | Chloroethane | ND | 20 | µg/Kg | 39 o-Xylene | ND | 5.0 | µg/Kg |
| 5 | Bromomethane | ND | 40 | µg/Kg | 40 1,1,2,2-Tetrachloroethane | ND | 20 | µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 | µg/Kg | 41 1,2,3-Trichloropropane | ND | 40 | µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/Kg | 42 Isopropylbenzene | ND | 20 | µg/Kg |
| 8 | Dichloromethane | ND | 40 | µg/Kg | 43 Bromobenzene | ND | 20 | µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/Kg | 44 n-Propylbenzene | ND | 20 | µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | µg/Kg | 45 4-Chlorotoluene | ND | 20 | µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 | µg/Kg | 46 2-Chlorotoluene | ND | 20 | µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 | µg/Kg | 47 1,3,5-Trimethylbenzene | ND | 20 | µg/Kg |
| 13 | Bromochloromethane | ND | 20 | µg/Kg | 48 tert-Butylbenzene | ND | 20 | µg/Kg |
| 14 | Chloroform | ND | 20 | µg/Kg | 49 1,2,4-Trimethylbenzene | 23 | 20 | µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 | µg/Kg | 50 sec-Butylbenzene | ND | 20 | µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 | µg/Kg | 51 1,3-Dichlorobenzene | ND | 20 | µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 | µg/Kg | 52 1,4-Dichlorobenzene | ND | 20 | µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 | µg/Kg | 53 4-Isopropyltoluene | ND | 20 | µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 | µg/Kg | 54 1,2-Dichlorobenzene | ND | 20 | µg/Kg |
| 20 | Benzene | ND | 5.0 | µg/Kg | 55 n-Butylbenzene | ND | 20 | µg/Kg |
| 21 | Dibromomethane | ND | 20 | µg/Kg | 56 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 | µg/Kg | 57 1,2,4-Trichlorobenzene | ND | 40 | µg/Kg |
| 23 | Trichloroethene | ND | 20 | µg/Kg | 58 Naphthalene | 230 | 40 | µg/Kg |
| 24 | Bromodichloromethane | ND | 20 | µg/Kg | 59 Hexachlorobutadiene | ND | 40 | µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 | µg/Kg | 60 1,2,3-Trichlorobenzene | ND | 40 | µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 | µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 | µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 | µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 | µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 | µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 | µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 | µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 | µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-07A
Client I.D. Number: TK EXC 21 ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/Kg | 36 m,p-Xylene | ND | 5.0 | µg/Kg |
| 2 | Chloromethane | ND | 40 | µg/Kg | 37 Bromoform | ND | 20 | µg/Kg |
| 3 | Vinyl chloride | ND | 20 | µg/Kg | 38 Styrene | ND | 20 | µg/Kg |
| 4 | Chloroethane | ND | 20 | µg/Kg | 39 o-Xylene | ND | 5.0 | µg/Kg |
| 5 | Bromomethane | ND | 40 | µg/Kg | 40 1,1,2,2-Tetrachloroethane | ND | 20 | µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 | µg/Kg | 41 1,2,3-Trichloropropane | ND | 40 | µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/Kg | 42 Isopropylbenzene | ND | 20 | µg/Kg |
| 8 | Dichloromethane | ND | 40 | µg/Kg | 43 Bromobenzene | ND | 20 | µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/Kg | 44 n-Propylbenzene | ND | 20 | µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | µg/Kg | 45 4-Chlorotoluene | ND | 20 | µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 | µg/Kg | 46 2-Chlorotoluene | ND | 20 | µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 | µg/Kg | 47 1,3,5-Trimethylbenzene | ND | 20 | µg/Kg |
| 13 | Bromochloromethane | ND | 20 | µg/Kg | 48 tert-Butylbenzene | ND | 20 | µg/Kg |
| 14 | Chloroform | ND | 20 | µg/Kg | 49 1,2,4-Trimethylbenzene | ND | 20 | µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 | µg/Kg | 50 sec-Butylbenzene | ND | 20 | µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 | µg/Kg | 51 1,3-Dichlorobenzene | ND | 20 | µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 | µg/Kg | 52 1,4-Dichlorobenzene | ND | 20 | µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 | µg/Kg | 53 4-Isopropyltoluene | ND | 20 | µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 | µg/Kg | 54 1,2-Dichlorobenzene | ND | 20 | µg/Kg |
| 20 | Benzene | ND | 5.0 | µg/Kg | 55 n-Butylbenzene | ND | 20 | µg/Kg |
| 21 | Dibromomethane | ND | 20 | µg/Kg | 56 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 | µg/Kg | 57 1,2,4-Trichlorobenzene | ND | 40 | µg/Kg |
| 23 | Trichloroethene | ND | 20 | µg/Kg | 58 Naphthalene | ND | 40 | µg/Kg |
| 24 | Bromodichloromethane | ND | 20 | µg/Kg | 59 Hexachlorobutadiene | ND | 40 | µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 | µg/Kg | 60 1,2,3-Trichlorobenzene | ND | 40 | µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 | µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 | µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 | µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 | µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 | µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 | µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 | µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 | µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-08A
Client I.D. Number: TK SW-1 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/Kg | 36 m,p-Xylene | ND | 5.0 | µg/Kg |
| 2 | Chloromethane | ND | 40 | µg/Kg | 37 Bromoform | ND | 20 | µg/Kg |
| 3 | Vinyl chloride | ND | 20 | µg/Kg | 38 Styrene | ND | 20 | µg/Kg |
| 4 | Chloroethane | ND | 20 | µg/Kg | 39 o-Xylene | ND | 5.0 | µg/Kg |
| 5 | Bromomethane | ND | 40 | µg/Kg | 40 1,1,2,2-Tetrachloroethane | ND | 20 | µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 | µg/Kg | 41 1,2,3-Trichloropropane | ND | 40 | µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/Kg | 42 Isopropylbenzene | ND | 20 | µg/Kg |
| 8 | Dichloromethane | ND | 40 | µg/Kg | 43 Bromobenzene | ND | 20 | µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/Kg | 44 n-Propylbenzene | ND | 20 | µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | µg/Kg | 45 4-Chlorotoluene | ND | 20 | µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 | µg/Kg | 46 2-Chlorotoluene | ND | 20 | µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 | µg/Kg | 47 1,3,5-Trimethylbenzene | ND | 20 | µg/Kg |
| 13 | Bromochloromethane | ND | 20 | µg/Kg | 48 tert-Butylbenzene | ND | 20 | µg/Kg |
| 14 | Chloroform | ND | 20 | µg/Kg | 49 1,2,4-Trimethylbenzene | ND | 20 | µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 | µg/Kg | 50 sec-Butylbenzene | ND | 20 | µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 | µg/Kg | 51 1,3-Dichlorobenzene | ND | 20 | µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 | µg/Kg | 52 1,4-Dichlorobenzene | ND | 20 | µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 | µg/Kg | 53 4-Isopropyltoluene | ND | 20 | µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 | µg/Kg | 54 1,2-Dichlorobenzene | ND | 20 | µg/Kg |
| 20 | Benzene | ND | 5.0 | µg/Kg | 55 n-Butylbenzene | ND | 20 | µg/Kg |
| 21 | Dibromomethane | ND | 20 | µg/Kg | 56 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 | µg/Kg | 57 1,2,4-Trichlorobenzene | ND | 40 | µg/Kg |
| 23 | Trichloroethene | ND | 20 | µg/Kg | 58 Naphthalene | ND | 40 | µg/Kg |
| 24 | Bromodichloromethane | ND | 20 | µg/Kg | 59 Hexachlorobutadiene | ND | 40 | µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 | µg/Kg | 60 1,2,3-Trichlorobenzene | ND | 40 | µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 | µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 | µg/Kg | | | | |
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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-09A
Client I.D. Number: TK SW-2 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/Kg | 36 m,p-Xylene | ND | 5.0 | µg/Kg |
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| 16 | 1,2-Dichloroethane | ND | 20 | µg/Kg | 51 1,3-Dichlorobenzene | ND | 20 | µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 | µg/Kg | 52 1,4-Dichlorobenzene | ND | 20 | µg/Kg |
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| 22 | 1,2-Dichloropropane | ND | 20 | µg/Kg | 57 1,2,4-Trichlorobenzene | ND | 40 | µg/Kg |
| 23 | Trichloroethene | ND | 20 | µg/Kg | 58 Naphthalene | ND | 40 | µg/Kg |
| 24 | Bromodichloromethane | ND | 20 | µg/Kg | 59 Hexachlorobutadiene | ND | 40 | µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 | µg/Kg | 60 1,2,3-Trichlorobenzene | ND | 40 | µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 | µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 | µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 | µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 | µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 | µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 | µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 | µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 | µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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




5/28/09
**Report Date**

# Alpha Analytical, Inc.

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-10A
Client I.D. Number: TK SW-3 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit |
|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 µg/Kg | 36 | m,p-Xylene | ND | 5.0 µg/Kg |
| 2 | Chloromethane | ND | 40 µg/Kg | 37 | Bromoform | ND | 20 µg/Kg |
| 3 | Vinyl chloride | ND | 20 µg/Kg | 38 | Styrene | ND | 20 µg/Kg |
| 4 | Chloroethane | ND | 20 µg/Kg | 39 | o-Xylene | ND | 5.0 µg/Kg |
| 5 | Bromomethane | ND | 40 µg/Kg | 40 | 1,1,2,2-Tetrachloroethane | ND | 20 µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 µg/Kg | 41 | 1,2,3-Trichloropropane | ND | 40 µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 µg/Kg | 42 | Isopropylbenzene | ND | 20 µg/Kg |
| 8 | Dichloromethane | ND | 40 µg/Kg | 43 | Bromobenzene | ND | 20 µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 µg/Kg | 44 | n-Propylbenzene | ND | 20 µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 µg/Kg | 45 | 4-Chlorotoluene | ND | 20 µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 µg/Kg | 46 | 2-Chlorotoluene | ND | 20 µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 µg/Kg | 47 | 1,3,5-Trimethylbenzene | ND | 20 µg/Kg |
| 13 | Bromochloromethane | ND | 20 µg/Kg | 48 | tert-Butylbenzene | ND | 20 µg/Kg |
| 14 | Chloroform | ND | 20 µg/Kg | 49 | 1,2,4-Trimethylbenzene | ND | 20 µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 µg/Kg | 50 | sec-Butylbenzene | ND | 20 µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 µg/Kg | 51 | 1,3-Dichlorobenzene | ND | 20 µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 µg/Kg | 52 | 1,4-Dichlorobenzene | ND | 20 µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 µg/Kg | 53 | 4-Isopropyltoluene | ND | 20 µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 µg/Kg | 54 | 1,2-Dichlorobenzene | ND | 20 µg/Kg |
| 20 | Benzene | ND | 5.0 µg/Kg | 55 | n-Butylbenzene | ND | 20 µg/Kg |
| 21 | Dibromomethane | ND | 20 µg/Kg | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 µg/Kg | 57 | 1,2,4-Trichlorobenzene | ND | 40 µg/Kg |
| 23 | Trichloroethene | ND | 20 µg/Kg | 58 | Naphthalene | ND | 40 µg/Kg |
| 24 | Bromodichloromethane | ND | 20 µg/Kg | 59 | Hexachlorobutadiene | ND | 40 µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 µg/Kg | 60 | 1,2,3-Trichlorobenzene | ND | 40 µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

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

5/28/09
**Report Date**

# Alpha Analytical, Inc.

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-11A
Client I.D. Number: TK SW-4 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit |
|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 µg/Kg | 36 | m,p-Xylene | ND | 5.0 µg/Kg |
| 2 | Chloromethane | ND | 40 µg/Kg | 37 | Bromoform | ND | 20 µg/Kg |
| 3 | Vinyl chloride | ND | 20 µg/Kg | 38 | Styrene | ND | 20 µg/Kg |
| 4 | Chloroethane | ND | 20 µg/Kg | 39 | o-Xylene | ND | 5.0 µg/Kg |
| 5 | Bromomethane | ND | 40 µg/Kg | 40 | 1,1,2,2-Tetrachloroethane | ND | 20 µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 µg/Kg | 41 | 1,2,3-Trichloropropane | ND | 40 µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 µg/Kg | 42 | Isopropylbenzene | ND | 20 µg/Kg |
| 8 | Dichloromethane | ND | 40 µg/Kg | 43 | Bromobenzene | ND | 20 µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 µg/Kg | 44 | n-Propylbenzene | ND | 20 µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 µg/Kg | 45 | 4-Chlorotoluene | ND | 20 µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 µg/Kg | 46 | 2-Chlorotoluene | ND | 20 µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 µg/Kg | 47 | 1,3,5-Trimethylbenzene | ND | 20 µg/Kg |
| 13 | Bromochloromethane | ND | 20 µg/Kg | 48 | tert-Butylbenzene | ND | 20 µg/Kg |
| 14 | Chloroform | ND | 20 µg/Kg | 49 | 1,2,4-Trimethylbenzene | ND | 20 µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 µg/Kg | 50 | sec-Butylbenzene | ND | 20 µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 µg/Kg | 51 | 1,3-Dichlorobenzene | ND | 20 µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 µg/Kg | 52 | 1,4-Dichlorobenzene | ND | 20 µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 µg/Kg | 53 | 4-Isopropyltoluene | ND | 20 µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 µg/Kg | 54 | 1,2-Dichlorobenzene | ND | 20 µg/Kg |
| 20 | Benzene | ND | 5.0 µg/Kg | 55 | n-Butylbenzene | ND | 20 µg/Kg |
| 21 | Dibromomethane | ND | 20 µg/Kg | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 µg/Kg | 57 | 1,2,4-Trichlorobenzene | ND | 40 µg/Kg |
| 23 | Trichloroethene | ND | 20 µg/Kg | 58 | Naphthalene | ND | 40 µg/Kg |
| 24 | Bromodichloromethane | ND | 20 µg/Kg | 59 | Hexachlorobutadiene | ND | 40 µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 µg/Kg | 60 | 1,2,3-Trichlorobenzene | ND | 40 µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

5/28/09
**Report Date**

# Alpha Analytical, Inc.

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-12A
Client I.D. Number: TK SW-5 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/Kg | 36 m,p-Xylene | ND | 10 | µg/Kg |
| 2 | Chloromethane | ND | 80 | µg/Kg | 37 Bromoform | ND | 20 | µg/Kg |
| 3 | Vinyl chloride | ND | 20 | µg/Kg | 38 Styrene | ND | 20 | µg/Kg |
| 4 | Chloroethane | ND | 20 | µg/Kg | 39 o-Xylene | ND | 10 | µg/Kg |
| 5 | Bromomethane | ND | 80 | µg/Kg | 40 1,1,2,2-Tetrachloroethane | ND | 20 | µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 | µg/Kg | 41 1,2,3-Trichloropropane | ND | 80 | µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/Kg | 42 Isopropylbenzene | ND | 20 | µg/Kg |
| 8 | Dichloromethane | ND | 80 | µg/Kg | 43 Bromobenzene | ND | 20 | µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/Kg | 44 n-Propylbenzene | ND | 20 | µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 10 | µg/Kg | 45 4-Chlorotoluene | ND | 20 | µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 | µg/Kg | 46 2-Chlorotoluene | ND | 20 | µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 | µg/Kg | 47 1,3,5-Trimethylbenzene | 31 | 20 | µg/Kg |
| 13 | Bromochloromethane | ND | 20 | µg/Kg | 48 tert-Butylbenzene | ND | 20 | µg/Kg |
| 14 | Chloroform | ND | 20 | µg/Kg | 49 1,2,4-Trimethylbenzene | 88 | 20 | µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 | µg/Kg | 50 sec-Butylbenzene | 21 | 20 | µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 | µg/Kg | 51 1,3-Dichlorobenzene | ND | 20 | µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 | µg/Kg | 52 1,4-Dichlorobenzene | ND | 20 | µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 | µg/Kg | 53 4-Isopropyltoluene | 37 | 20 | µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 | µg/Kg | 54 1,2-Dichlorobenzene | ND | 20 | µg/Kg |
| 20 | Benzene | ND | 10 | µg/Kg | 55 n-Butylbenzene | 32 | 20 | µg/Kg |
| 21 | Dibromomethane | ND | 20 | µg/Kg | 56 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 | µg/Kg | 57 1,2,4-Trichlorobenzene | ND | 80 | µg/Kg |
| 23 | Trichloroethene | ND | 20 | µg/Kg | 58 Naphthalene | 2,500 | 80 | µg/Kg |
| 24 | Bromodichloromethane | ND | 20 | µg/Kg | 59 Hexachlorobutadiene | ND | 80 | µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 | µg/Kg | 60 1,2,3-Trichlorobenzene | ND | 80 | µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 | µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 | µg/Kg | | | | |
| 28 | Toluene | ND | 10 | µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 | µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 | µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 | µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 | µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 10 | µg/Kg | | | | |

Some Reporting Limits were increased due to high concentrations of target analytes.

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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


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5/28/09
**Report Date**

# Alpha Analytical, Inc.

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-13A
Client I.D. Number: TK SW-6 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit |
|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 µg/Kg | 36 | m,p-Xylene | ND | 5.0 µg/Kg |
| 2 | Chloromethane | ND | 40 µg/Kg | 37 | Bromoform | ND | 20 µg/Kg |
| 3 | Vinyl chloride | ND | 20 µg/Kg | 38 | Styrene | ND | 20 µg/Kg |
| 4 | Chloroethane | ND | 20 µg/Kg | 39 | o-Xylene | ND | 5.0 µg/Kg |
| 5 | Bromomethane | ND | 40 µg/Kg | 40 | 1,1,2,2-Tetrachloroethane | ND | 20 µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 µg/Kg | 41 | 1,2,3-Trichloropropane | ND | 40 µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 µg/Kg | 42 | Isopropylbenzene | ND | 20 µg/Kg |
| 8 | Dichloromethane | ND | 40 µg/Kg | 43 | Bromobenzene | ND | 20 µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 µg/Kg | 44 | n-Propylbenzene | ND | 20 µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 µg/Kg | 45 | 4-Chlorotoluene | ND | 20 µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 µg/Kg | 46 | 2-Chlorotoluene | ND | 20 µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 µg/Kg | 47 | 1,3,5-Trimethylbenzene | ND | 20 µg/Kg |
| 13 | Bromochloromethane | ND | 20 µg/Kg | 48 | tert-Butylbenzene | ND | 20 µg/Kg |
| 14 | Chloroform | ND | 20 µg/Kg | 49 | 1,2,4-Trimethylbenzene | ND | 20 µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 µg/Kg | 50 | sec-Butylbenzene | ND | 20 µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 µg/Kg | 51 | 1,3-Dichlorobenzene | ND | 20 µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 µg/Kg | 52 | 1,4-Dichlorobenzene | ND | 20 µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 µg/Kg | 53 | 4-Isopropyltoluene | ND | 20 µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 µg/Kg | 54 | 1,2-Dichlorobenzene | ND | 20 µg/Kg |
| 20 | Benzene | ND | 5.0 µg/Kg | 55 | n-Butylbenzene | ND | 20 µg/Kg |
| 21 | Dibromomethane | ND | 20 µg/Kg | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 µg/Kg | 57 | 1,2,4-Trichlorobenzene | ND | 40 µg/Kg |
| 23 | Trichloroethene | ND | 20 µg/Kg | 58 | Naphthalene | ND | 40 µg/Kg |
| 24 | Bromodichloromethane | ND | 20 µg/Kg | 59 | Hexachlorobutadiene | ND | 40 µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 µg/Kg | 60 | 1,2,3-Trichlorobenzene | ND | 40 µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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5/28/09
**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-14A
Client I.D. Number: TK SW-7 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit |
|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 µg/Kg | 36 | m,p-Xylene | ND | 5.0 µg/Kg |
| 2 | Chloromethane | ND | 40 µg/Kg | 37 | Bromoform | ND | 20 µg/Kg |
| 3 | Vinyl chloride | ND | 20 µg/Kg | 38 | Styrene | ND | 20 µg/Kg |
| 4 | Chloroethane | ND | 20 µg/Kg | 39 | o-Xylene | ND | 5.0 µg/Kg |
| 5 | Bromomethane | ND | 40 µg/Kg | 40 | 1,1,2,2-Tetrachloroethane | ND | 20 µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 µg/Kg | 41 | 1,2,3-Trichloropropane | ND | 40 µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 µg/Kg | 42 | Isopropylbenzene | ND | 20 µg/Kg |
| 8 | Dichloromethane | ND | 40 µg/Kg | 43 | Bromobenzene | ND | 20 µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 µg/Kg | 44 | n-Propylbenzene | ND | 20 µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 µg/Kg | 45 | 4-Chlorotoluene | ND | 20 µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 µg/Kg | 46 | 2-Chlorotoluene | ND | 20 µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 µg/Kg | 47 | 1,3,5-Trimethylbenzene | ND | 20 µg/Kg |
| 13 | Bromochloromethane | ND | 20 µg/Kg | 48 | tert-Butylbenzene | ND | 20 µg/Kg |
| 14 | Chloroform | ND | 20 µg/Kg | 49 | 1,2,4-Trimethylbenzene | ND | 20 µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 µg/Kg | 50 | sec-Butylbenzene | ND | 20 µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 µg/Kg | 51 | 1,3-Dichlorobenzene | ND | 20 µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 µg/Kg | 52 | 1,4-Dichlorobenzene | ND | 20 µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 µg/Kg | 53 | 4-Isopropyltoluene | ND | 20 µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 µg/Kg | 54 | 1,2-Dichlorobenzene | ND | 20 µg/Kg |
| 20 | Benzene | ND | 5.0 µg/Kg | 55 | n-Butylbenzene | ND | 20 µg/Kg |
| 21 | Dibromomethane | ND | 20 µg/Kg | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 µg/Kg | 57 | 1,2,4-Trichlorobenzene | ND | 40 µg/Kg |
| 23 | Trichloroethene | ND | 20 µg/Kg | 58 | Naphthalene | ND | 40 µg/Kg |
| 24 | Bromodichloromethane | ND | 20 µg/Kg | 59 | Hexachlorobutadiene | ND | 40 µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 µg/Kg | 60 | 1,2,3-Trichlorobenzene | ND | 40 µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

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

5/28/09
**Report Date**

# Alpha Analytical, Inc.

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


## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833
Job#: BHV101-08-011 CA

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688

Alpha Analytical Number: ADR09051401-15A
Client I.D. Number: TK SW-8 17ft

Sampled: 05/12/09
Received: 05/14/09
Analyzed: 05/15/09

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | Compound | Concentration | Reporting Limit |
|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 µg/Kg | 36 | m,p-Xylene | ND | 5.0 µg/Kg |
| 2 | Chloromethane | ND | 40 µg/Kg | 37 | Bromoform | ND | 20 µg/Kg |
| 3 | Vinyl chloride | ND | 20 µg/Kg | 38 | Styrene | ND | 20 µg/Kg |
| 4 | Chloroethane | ND | 20 µg/Kg | 39 | o-Xylene | ND | 5.0 µg/Kg |
| 5 | Bromomethane | ND | 40 µg/Kg | 40 | 1,1,2,2-Tetrachloroethane | ND | 20 µg/Kg |
| 6 | Trichlorofluoromethane | ND | 20 µg/Kg | 41 | 1,2,3-Trichloropropane | ND | 40 µg/Kg |
| 7 | 1,1-Dichloroethene | ND | 20 µg/Kg | 42 | Isopropylbenzene | ND | 20 µg/Kg |
| 8 | Dichloromethane | ND | 40 µg/Kg | 43 | Bromobenzene | ND | 20 µg/Kg |
| 9 | trans-1,2-Dichloroethene | ND | 20 µg/Kg | 44 | n-Propylbenzene | ND | 20 µg/Kg |
| 10 | Methyl tert-butyl ether (MTBE) | ND | 5.0 µg/Kg | 45 | 4-Chlorotoluene | ND | 20 µg/Kg |
| 11 | 1,1-Dichloroethane | ND | 20 µg/Kg | 46 | 2-Chlorotoluene | ND | 20 µg/Kg |
| 12 | cis-1,2-Dichloroethene | ND | 20 µg/Kg | 47 | 1,3,5-Trimethylbenzene | ND | 20 µg/Kg |
| 13 | Bromochloromethane | ND | 20 µg/Kg | 48 | tert-Butylbenzene | ND | 20 µg/Kg |
| 14 | Chloroform | ND | 20 µg/Kg | 49 | 1,2,4-Trimethylbenzene | ND | 20 µg/Kg |
| 15 | 2,2-Dichloropropane | ND | 20 µg/Kg | 50 | sec-Butylbenzene | ND | 20 µg/Kg |
| 16 | 1,2-Dichloroethane | ND | 20 µg/Kg | 51 | 1,3-Dichlorobenzene | ND | 20 µg/Kg |
| 17 | 1,1,1-Trichloroethane | ND | 20 µg/Kg | 52 | 1,4-Dichlorobenzene | ND | 20 µg/Kg |
| 18 | 1,1-Dichloropropene | ND | 20 µg/Kg | 53 | 4-Isopropyltoluene | ND | 20 µg/Kg |
| 19 | Carbon tetrachloride | ND | 20 µg/Kg | 54 | 1,2-Dichlorobenzene | ND | 20 µg/Kg |
| 20 | Benzene | ND | 5.0 µg/Kg | 55 | n-Butylbenzene | ND | 20 µg/Kg |
| 21 | Dibromomethane | ND | 20 µg/Kg | 56 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 µg/Kg |
| 22 | 1,2-Dichloropropane | ND | 20 µg/Kg | 57 | 1,2,4-Trichlorobenzene | ND | 40 µg/Kg |
| 23 | Trichloroethene | ND | 20 µg/Kg | 58 | Naphthalene | ND | 40 µg/Kg |
| 24 | Bromodichloromethane | ND | 20 µg/Kg | 59 | Hexachlorobutadiene | ND | 40 µg/Kg |
| 25 | cis-1,3-Dichloropropene | ND | 20 µg/Kg | 60 | 1,2,3-Trichlorobenzene | ND | 40 µg/Kg |
| 26 | trans-1,3-Dichloropropene | ND | 20 µg/Kg | | | | |
| 27 | 1,1,2-Trichloroethane | ND | 20 µg/Kg | | | | |
| 28 | Toluene | ND | 5.0 µg/Kg | | | | |
| 29 | 1,3-Dichloropropane | ND | 20 µg/Kg | | | | |
| 30 | Dibromochloromethane | ND | 20 µg/Kg | | | | |
| 31 | 1,2-Dibromoethane (EDB) | ND | 40 µg/Kg | | | | |
| 32 | Tetrachloroethene | ND | 20 µg/Kg | | | | |
| 33 | 1,1,1,2-Tetrachloroethane | ND | 20 µg/Kg | | | | |
| 34 | Chlorobenzene | ND | 20 µg/Kg | | | | |
| 35 | Ethylbenzene | ND | 5.0 µg/Kg | | | | |

EnCore sample was received and extracted within holding time.

This replaces the report originally signed 5/21/09, due to a change in the analyte list, per client request.

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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5/28/09
**Report Date**

# *Alpha Analytical, Inc.*

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

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


## VOC Sample Preservation Report

**Work Order:** ADR09051401 **Project:** BHV101-08-011 CA

| Alpha's Sample ID | Client's Sample ID | Matrix | pH |
|---|---|---|---|
| 09051401-01A | TK EXC-Water | Aqueous | 2 |

**5/21/09**

**Report Date**

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## ANALYTICAL REPORT

ADR Envir. Group
1760 Creekside Oak Dr. #120
Sacramento, CA 95833

Attn: Larry Flora
Phone: (916) 921-0600
Fax: (916) 648-6688
Date Received : 05/14/09

Job#: BHV101-08-011 CA

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

| | | Parameter | Concentration | | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Client ID : | **TK EXC-Water** | TPH-E (DRO), Silica Gel | 0.50 | | 0.050 mg/L | 05/12/09 | 05/15/09 |
| Lab ID : | ADR09051401-01A | TPH-E (ORO), Silica Gel | ND | | 0.50 mg/L | 05/12/09 | 05/15/09 |
| | | TPH-P (GRO) | 0.097 | | 0.050 mg/L | 05/12/09 | 05/18/09 |
| Client ID : | **Composite of STK P-3 A, B, C, and D** | TPH-E (DRO), Silica Gel | 10 | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-06A | TPH-P (GRO) | 19 | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK EXC 21 ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-07A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-1 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-08A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-2 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-09A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-3 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-10A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-4 17ft** | TPH-E (DRO), Silica Gel | 6.7 | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-11A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | 8.6 | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-5 17ft** | TPH-E (DRO), Silica Gel | 520 | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-12A | TPH-E (ORO), Silica Gel | 84 | G | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | 56 | | 2.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-6 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-13A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-7 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-14A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |
| Client ID : | **TK SW-8 17ft** | TPH-E (DRO), Silica Gel | ND | | 5.0 mg/Kg | 05/12/09 | 05/14/09 |
| Lab ID : | ADR09051401-15A | TPH-E (ORO), Silica Gel | ND | | 10 mg/Kg | 05/12/09 | 05/14/09 |
| | | TPH-P (GRO) | ND | | 1.0 mg/Kg | 05/12/09 | 05/15/09 |

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G = ORO compounds have varying amounts of recovery.

Gasoline Range Organics (GRO) C4-C13

Sample results were calculated on a wet weight basis.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


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

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**5/21/09**

**Report Date**

# Alpha Analytical, Inc.

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**Date:** 29-May-09

## QC Summary Report

**Work Order:** 09051401

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8270C**

File ID: **09051813.D** Batch ID: **22014** Analysis Date: **05/18/2009 21:14**

Sample ID: **MBLK-22014** Units : **µg/Kg** Run ID: **MSD_14_090515A** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | ND | 660 | | | | | | | | |
| 2-Methylnaphthalene | ND | 660 | | | | | | | | |
| Acenaphthylene | ND | 660 | | | | | | | | |
| Acenaphthene | ND | 660 | | | | | | | | |
| Fluorene | ND | 660 | | | | | | | | |
| Phenanthrene | ND | 660 | | | | | | | | |
| Anthracene | ND | 660 | | | | | | | | |
| Fluoranthene | ND | 660 | | | | | | | | |
| Pyrene | ND | 660 | | | | | | | | |
| Benzo(a)anthracene | ND | 660 | | | | | | | | |
| Chrysene | ND | 660 | | | | | | | | |
| Benzo(b)fluoranthene | ND | 660 | | | | | | | | |
| Benzo(k)fluoranthene | ND | 660 | | | | | | | | |
| Benzo(a)pyrene | ND | 660 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 660 | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 660 | | | | | | | | |
| Benzo(g,h,i)perylene | ND | 660 | | | | | | | | |
| Surr: Nitrobenzene-d5 | 5550 | | 6250 | | 89 | 54 | 135 | | | |
| Surr: 2-Fluorobiphenyl | 5410 | | 6250 | | 87 | 70 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 5570 | | 6250 | | 89 | 59 | 139 | | | |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8270C**

File ID: **09051814.D** Batch ID: **22014** Analysis Date: **05/18/2009 21:54**

Sample ID: **LCS-22014** Units : **µg/Kg** Run ID: **MSD_14_090515A** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 6030 | 660 | 6250 | | 96 | 70 | 130 | | | |
| Pyrene | 6140 | 660 | 6250 | | 98 | 67 | 137 | | | |
| Surr: Nitrobenzene-d5 | 6020 | | 6250 | | 96 | 54 | 135 | | | |
| Surr: 2-Fluorobiphenyl | 5910 | | 6250 | | 94 | 70 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 5760 | | 6250 | | 92 | 59 | 139 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8270C**

File ID: **09051835.D** Batch ID: **22014** Analysis Date: **05/19/2009 10:02**

Sample ID: **09051401-15AMS** Units : **µg/Kg** Run ID: **MSD_14_090515A** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 5710 | 660 | 6250 | 0 | 91 | 58 | 138 | | | |
| Pyrene | 6000 | 660 | 6250 | 0 | 96 | 46 | 152 | | | |
| Surr: Nitrobenzene-d5 | 5580 | | 6250 | | 89 | 54 | 135 | | | |
| Surr: 2-Fluorobiphenyl | 5260 | | 6250 | | 84 | 70 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 5360 | | 6250 | | 86 | 59 | 139 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8270C**

File ID: **09051836.D** Batch ID: **22014** Analysis Date: **05/19/2009 10:39**

Sample ID: **09051401-15AMSD** Units : **µg/Kg** Run ID: **MSD_14_090515A** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 5630 | 660 | 6250 | 0 | 90 | 58 | 138 | 5706 | 1.4(40) | |
| Pyrene | 5800 | 660 | 6250 | 0 | 93 | 46 | 152 | 6002 | 3.4(31) | |
| Surr: Nitrobenzene-d5 | 5150 | | 6250 | | 82 | 54 | 135 | | | |
| Surr: 2-Fluorobiphenyl | 5090 | | 6250 | | 81 | 70 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 5220 | | 6250 | | 84 | 59 | 139 | | | |

**Comments:**

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

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8270C**

File ID: **09051805.D** Batch ID: **22006** Analysis Date: **05/18/2009 16:20**

Sample ID: **MBLK-22006** Units : **µg/L** Run ID: **MSD_14_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | ND | 10 | | | | | | | | |
| 2-Methylnaphthalene | ND | 10 | | | | | | | | |
| Acenaphthylene | ND | 10 | | | | | | | | |
| Acenaphthene | ND | 10 | | | | | | | | |
| Fluorene | ND | 10 | | | | | | | | |
| Phenanthrene | ND | 10 | | | | | | | | |
| Anthracene | ND | 10 | | | | | | | | |
| Fluoranthene | ND | 10 | | | | | | | | |
| Pyrene | ND | 10 | | | | | | | | |
| Benzo(a)anthracene | ND | 10 | | | | | | | | |
| Chrysene | ND | 10 | | | | | | | | |
| Benzo(b)fluoranthene | ND | 10 | | | | | | | | |
| Benzo(k)fluoranthene | ND | 10 | | | | | | | | |
| Benzo(a)pyrene | ND | 10 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 10 | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 10 | | | | | | | | |
| Benzo(g,h,i)perylene | ND | 10 | | | | | | | | |
| Surr: Nitrobenzene-d5 | 86.1 | | 100 | | 86 | 58 | 132 | | | |
| Surr: 2-Fluorobiphenyl | 61.1 | | 100 | | 61 | 47 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 90.2 | | 100 | | 90 | 65 | 136 | | | |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8270C**

File ID: **09051806.D** Batch ID: **22006** Analysis Date: **05/18/2009 16:59**

Sample ID: **LCS-22006** Units : **µg/L** Run ID: **MSD_14_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 81.9 | 10 | 100 | | 82 | 39 | 130 | | | |
| Pyrene | 100 | 10 | 100 | | 100 | 63 | 140 | | | |
| Surr: Nitrobenzene-d5 | 95.8 | | 100 | | 96 | 58 | 132 | | | |
| Surr: 2-Fluorobiphenyl | 74.1 | | 100 | | 74 | 47 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 96.8 | | 100 | | 97 | 65 | 136 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8270C**

File ID: **09051811.D** Batch ID: **22006** Analysis Date: **05/18/2009 20:02**

Sample ID: **09051304-01AMS** Units : **µg/L** Run ID: **MSD_14_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 99.9 | 10 | 100 | 0 | 99.9 | 30 | 139 | | | |
| Pyrene | 108 | 10 | 100 | 0 | 108 | 61 | 140 | | | |
| Surr: Nitrobenzene-d5 | 102 | | 100 | | 102 | 58 | 132 | | | |
| Surr: 2-Fluorobiphenyl | 89 | | 100 | | 89 | 47 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 103 | | 100 | | 103 | 65 | 136 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8270C**

File ID: **09051812.D** Batch ID: **22006** Analysis Date: **05/18/2009 20:39**

Sample ID: **09051304-01AMSD** Units : **µg/L** Run ID: **MSD_14_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 99.5 | 10 | 100 | 0 | 99.5 | 30 | 139 | 99.88 | 0.4(24) | |
| Pyrene | 108 | 10 | 100 | 0 | 108 | 61 | 140 | 108.2 | 0.0(20) | |
| Surr: Nitrobenzene-d5 | 102 | | 100 | | 102 | 58 | 132 | | | |
| Surr: 2-Fluorobiphenyl | 90.2 | | 100 | | 90 | 47 | 130 | | | |
| Surr: 4-Terphenyl-d14 | 103 | | 100 | | 103 | 65 | 136 | | | |

**Comments:**

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# Alpha Analytical, Inc.

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Method Blank

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

File ID: Batch ID: **21999SG** Analysis Date: **05/14/2009 09:51**

Sample ID: **MBLK-21999SG** Units : **mg/Kg** Run ID: **FID_2_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | ND | 5 | | | | | | | | |
| TPH-E (ORO), Silica Gel | ND | 10 | | | | | | | | |
| Surr: Nonane, Silica Gel | 100 | | 100 | | 100 | 67 | 156 | | | |

### Laboratory Control Spike

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

File ID: Batch ID: **21999SG** Analysis Date: **05/14/2009 09:25**

Sample ID: **LCS-21999SG** Units : **mg/Kg** Run ID: **FID_2_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 93.4 | 5 | 100 | | 93 | 70 | 130 | | | |
| Surr: Nonane, Silica Gel | 101 | | 100 | | 101 | 67 | 156 | | | |

### Sample Matrix Spike

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

File ID: Batch ID: **21999SG** Analysis Date: **05/14/2009 11:06**

Sample ID: **09051352-02AMS** Units : **mg/Kg** Run ID: **FID_2_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 93.7 | 5 | 100 | 0 | 94 | 51 | 141 | | | |
| Surr: Nonane, Silica Gel | 101 | | 100 | | 101 | 67 | 156 | | | |

### Sample Matrix Spike Duplicate

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

File ID: Batch ID: **21999SG** Analysis Date: **05/14/2009 11:31**

Sample ID: **09051352-02AMSD** Units : **mg/Kg** Run ID: **FID_2_090514C** Prep Date: **05/14/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 95.4 | 5 | 100 | 0 | 95 | 51 | 141 | 93.74 | 1.8(40) | |
| Surr: Nonane, Silica Gel | 111 | | 100 | | 111 | 67 | 156 | | | |

**Comments:**

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Method Blank

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

File ID: Batch ID: **22010SG** Analysis Date: **05/15/2009 12:24**

Sample ID: **MBLK-22010SG** Units : **mg/L** Run ID: **FID_7_090515D** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | ND | 0.05 | | | | | | | | |
| TPH-E (ORO), Silica Gel | ND | 0.5 | | | | | | | | |
| Surr: Nonane, Silica Gel | 99.4 | | 100 | | 99 | 57 | 147 | | | |

### Laboratory Control Spike

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

File ID: Batch ID: **22010SG** Analysis Date: **05/15/2009 11:57**

Sample ID: **LCS-22010SG** Units : **mg/L** Run ID: **FID_7_090515D** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 2.69 | 0.05 | 2.5 | | 108 | 67 | 130 | | | |
| Surr: Nonane, Silica Gel | 98.7 | | 100 | | 99 | 57 | 147 | | | |

### Sample Matrix Spike

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

File ID: Batch ID: **22010SG** Analysis Date: **05/15/2009 13:17**

Sample ID: **09051421-21AMS** Units : **mg/L** Run ID: **FID_7_090515D** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 2.71 | 0.05 | 2.5 | 0 | 108 | 49 | 150 | | | |
| Surr: Nonane, Silica Gel | 77.9 | | 100 | | 78 | 57 | 147 | | | |

### Sample Matrix Spike Duplicate

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

File ID: Batch ID: **22010SG** Analysis Date: **05/15/2009 13:44**

Sample ID: **09051421-21AMSD** Units : **mg/L** Run ID: **FID_7_090515D** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E (DRO), Silica Gel | 2.58 | 0.05 | 2.5 | 0 | 103 | 49 | 150 | 2.708 | 5.0(38) | |
| Surr: Nonane, Silica Gel | 70 | | 100 | | 70 | 57 | 147 | | | |

**Comments:**

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Method Blank

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

File ID: **09051507.D** Batch ID: **MS08S2001B** Analysis Date: **05/15/2009 13:06**

Sample ID: **MBLK MS08S2001B** Units : **mg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | ND | 1 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.193 | | 0.2 | | 96 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.221 | | 0.2 | | 111 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.178 | | 0.2 | | 89 | 70 | 130 | | | |

### Laboratory Control Spike

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

File ID: **09051511.D** Batch ID: **MS08S2001B** Analysis Date: **05/15/2009 14:44**

Sample ID: **GLCS MS08S2001B** Units : **mg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 16.2 | 2 | 16 | | 101 | 70 | 139 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.372 | | 0.4 | | 93 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.439 | | 0.4 | | 110 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.362 | | 0.4 | | 90 | 70 | 130 | | | |

### Sample Matrix Spike

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

File ID: **09051512.D** Batch ID: **MS08S2001B** Analysis Date: **05/15/2009 15:09**

Sample ID: **09051401-09AGS** Units : **mg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 15.3 | 2 | 16 | 0 | 95 | 57 | 147 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.378 | | 0.4 | | 95 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.434 | | 0.4 | | 109 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.359 | | 0.4 | | 90 | 70 | 130 | | | |

### Sample Matrix Spike Duplicate

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

File ID: **09051513.D** Batch ID: **MS08S2001B** Analysis Date: **05/15/2009 15:33**

Sample ID: **09051401-09AGSD** Units : **mg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 15.3 | 2 | 16 | 0 | 96 | 57 | 147 | 15.28 | 0.4(20) | |
| Surr: 1,2-Dichloroethane-d4 | 0.38 | | 0.4 | | 95 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.434 | | 0.4 | | 108 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.357 | | 0.4 | | 89 | 70 | 130 | | | |

**Comments:**

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Method Blank

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051804.D** Batch ID: **MS12W0518B** Analysis Date: **05/18/2009 10:17**

Sample ID: **MBLK MS12W0518B** Units : **mg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | ND | 0.05 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.00947 | | 0.01 | | 95 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0102 | | 0.01 | | 102 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.00978 | | 0.01 | | 98 | 70 | 130 | | | |

### Laboratory Control Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051803.D** Batch ID: **MS12W0518B** Analysis Date: **05/18/2009 09:55**

Sample ID: **GLCS MS12W0518B** Units : **mg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 0.407 | 0.05 | 0.4 | | 102 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.00947 | | 0.01 | | 95 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.01 | | 0.01 | | 100 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.00981 | | 0.01 | | 98 | 70 | 130 | | | |

### Sample Matrix Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051823.D** Batch ID: **MS12W0518B** Analysis Date: **05/18/2009 17:32**

Sample ID: **09051401-01AGS** Units : **mg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 2.16 | 0.25 | 2 | 0.09682 | 103 | 58 | 135 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.0456 | | 0.05 | | 91 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0506 | | 0.05 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.0501 | | 0.05 | | 100 | 70 | 130 | | | |

### Sample Matrix Spike Duplicate

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051824.D** Batch ID: **MS12W0518B** Analysis Date: **05/18/2009 17:55**

Sample ID: **09051401-01AGSD** Units : **mg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-P (GRO) | 2.26 | 0.25 | 2 | 0.09682 | 108 | 58 | 135 | 2.161 | 4.4(20) | |
| Surr: 1,2-Dichloroethane-d4 | 0.0445 | | 0.05 | | 89 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0508 | | 0.05 | | 102 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.0511 | | 0.05 | | 102 | 70 | 130 | | | |

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

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

File ID: **09051507.D** Batch ID: **MS08S2001A** Analysis Date: **05/15/2009 13:06**

Sample ID: **MBLK MS08S2001A** Units : **µg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 20 | | | | | | | | |
| Chloromethane | ND | 40 | | | | | | | | |
| Vinyl chloride | ND | 20 | | | | | | | | |
| Chloroethane | ND | 20 | | | | | | | | |
| Bromomethane | ND | 40 | | | | | | | | |
| Trichlorofluoromethane | ND | 20 | | | | | | | | |
| 1,1-Dichloroethene | ND | 20 | | | | | | | | |
| Dichloromethane | ND | 40 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 20 | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 5 | | | | | | | | |
| 1,1-Dichloroethane | ND | 20 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 20 | | | | | | | | |
| Bromochloromethane | ND | 20 | | | | | | | | |
| Chloroform | ND | 20 | | | | | | | | |
| 2,2-Dichloropropane | ND | 20 | | | | | | | | |
| 1,2-Dichloroethane | ND | 20 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 20 | | | | | | | | |
| 1,1-Dichloropropene | ND | 20 | | | | | | | | |
| Carbon tetrachloride | ND | 20 | | | | | | | | |
| Benzene | ND | 5 | | | | | | | | |
| Dibromomethane | ND | 20 | | | | | | | | |
| 1,2-Dichloropropane | ND | 20 | | | | | | | | |
| Trichloroethene | ND | 20 | | | | | | | | |
| Bromodichloromethane | ND | 20 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 20 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 20 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 20 | | | | | | | | |
| Toluene | ND | 5 | | | | | | | | |
| 1,3-Dichloropropane | ND | 20 | | | | | | | | |
| Dibromochloromethane | ND | 20 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 40 | | | | | | | | |
| Tetrachloroethene | ND | 20 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 20 | | | | | | | | |
| Chlorobenzene | ND | 20 | | | | | | | | |
| Ethylbenzene | ND | 5 | | | | | | | | |
| m,p-Xylene | ND | 5 | | | | | | | | |
| Bromoform | ND | 20 | | | | | | | | |
| Styrene | ND | 20 | | | | | | | | |
| o-Xylene | ND | 5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 20 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 40 | | | | | | | | |
| Isopropylbenzene | ND | 20 | | | | | | | | |
| Bromobenzene | ND | 20 | | | | | | | | |
| n-Propylbenzene | ND | 20 | | | | | | | | |
| 4-Chlorotoluene | ND | 20 | | | | | | | | |
| 2-Chlorotoluene | ND | 20 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 20 | | | | | | | | |
| tert-Butylbenzene | ND | 20 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 20 | | | | | | | | |
| sec-Butylbenzene | ND | 20 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 20 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 20 | | | | | | | | |
| 4-Isopropyltoluene | ND | 20 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 20 | | | | | | | | |
| n-Butylbenzene | ND | 20 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 40 | | | | | | | | |
| Naphthalene | ND | 40 | | | | | | | | |
| Hexachlorobutadiene | ND | 40 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 40 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 193 | | 200 | | 96 | 70 | 130 | | | |
| Surr: Toluene-d8 | 221 | | 200 | | 111 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 178 | | 200 | | 89 | 70 | 130 | | | |

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**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

### Laboratory Control Spike

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

File ID: **09051508.D** Batch ID: **MS08S2001A** Analysis Date: **05/15/2009 13:30**

Sample ID: **LCS MS08S2001A** Units : **µg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 131 | 20 | 400 | | 33 | 10 | 143 | | | |
| Methyl tert-butyl ether (MTBE) | 403 | 10 | 400 | | 101 | 65 | 144 | | | |
| Benzene | 425 | 10 | 400 | | 106 | 70 | 136 | | | |
| Trichloroethene | 429 | 20 | 400 | | 107 | 70 | 138 | | | |
| Toluene | 425 | 10 | 400 | | 106 | 70 | 135 | | | |
| Chlorobenzene | 415 | 20 | 400 | | 104 | 70 | 135 | | | |
| Ethylbenzene | 415 | 10 | 400 | | 104 | 70 | 137 | | | |
| m,p-Xylene | 432 | 10 | 400 | | 108 | 70 | 143 | | | |
| o-Xylene | 446 | 10 | 400 | | 111 | 70 | 143 | | | |
| Surr: 1,2-Dichloroethane-d4 | 398 | | 400 | | 99.6 | 70 | 130 | | | |
| Surr: Toluene-d8 | 410 | | 400 | | 103 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 375 | | 400 | | 94 | 70 | 130 | | | |

### Sample Matrix Spike

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

File ID: **09051509.D** Batch ID: **MS08S2001A** Analysis Date: **05/15/2009 13:55**

Sample ID: **09051401-09AMS** Units : **µg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 150 | 20 | 400 | 0 | 38 | 10 | 143 | | | |
| Methyl tert-butyl ether (MTBE) | 340 | 10 | 400 | 0 | 85 | 42 | 156 | | | |
| Benzene | 407 | 10 | 400 | 0 | 102 | 57 | 143 | | | |
| Trichloroethene | 404 | 20 | 400 | 0 | 101 | 52 | 154 | | | |
| Toluene | 426 | 10 | 400 | 0 | 107 | 53 | 142 | | | |
| Chlorobenzene | 408 | 20 | 400 | 0 | 102 | 55 | 142 | | | |
| Ethylbenzene | 418 | 10 | 400 | 0 | 104 | 56 | 145 | | | |
| m,p-Xylene | 428 | 10 | 400 | 0 | 107 | 53 | 154 | | | |
| o-Xylene | 430 | 10 | 400 | 0 | 108 | 60 | 148 | | | |
| Surr: 1,2-Dichloroethane-d4 | 369 | | 400 | | 92 | 70 | 130 | | | |
| Surr: Toluene-d8 | 427 | | 400 | | 107 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 413 | | 400 | | 103 | 70 | 130 | | | |

### Sample Matrix Spike Duplicate

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

File ID: **09051510.D** Batch ID: **MS08S2001A** Analysis Date: **05/15/2009 14:19**

Sample ID: **09051401-09AMSD** Units : **µg/Kg** Run ID: **MSD_08_090515B** Prep Date: **05/15/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 146 | 20 | 400 | 0 | 37 | 10 | 143 | 150.1 | 2.5(20) | |
| Methyl tert-butyl ether (MTBE) | 374 | 10 | 400 | 0 | 93 | 42 | 156 | 339.7 | 9.6(20) | |
| Benzene | 398 | 10 | 400 | 0 | 99 | 57 | 143 | 406.5 | 2.1(20) | |
| Trichloroethene | 398 | 20 | 400 | 0 | 99.5 | 52 | 154 | 404.2 | 1.5(20) | |
| Toluene | 401 | 10 | 400 | 0 | 100 | 53 | 142 | 426.5 | 6.2(20) | |
| Chlorobenzene | 393 | 20 | 400 | 0 | 98 | 55 | 142 | 408.2 | 3.9(20) | |
| Ethylbenzene | 401 | 10 | 400 | 0 | 100 | 56 | 145 | 417.7 | 4.1(20) | |
| m,p-Xylene | 416 | 10 | 400 | 0 | 104 | 53 | 154 | 427.9 | 2.8(20) | |
| o-Xylene | 422 | 10 | 400 | 0 | 106 | 60 | 148 | 430.1 | 1.9(20) | |
| Surr: 1,2-Dichloroethane-d4 | 399 | | 400 | | 99.7 | 70 | 130 | | | |
| Surr: Toluene-d8 | 410 | | 400 | | 102 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 377 | | 400 | | 94 | 70 | 130 | | | |

**Comments:**

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

# Alpha Analytical, Inc.

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

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


**Date:** *29-May-09*

## QC Summary Report

**Work Order:** 09051401

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051804.D** Batch ID: **MS12W0518A** Analysis Date: **05/18/2009 10:17**

Sample ID: **MBLK MS12W0518A** Units : **µg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1 | | | | | | | | |
| Chloromethane | ND | 2 | | | | | | | | |
| Vinyl chloride | ND | 1 | | | | | | | | |
| Chloroethane | ND | 1 | | | | | | | | |
| Bromomethane | ND | 2 | | | | | | | | |
| Trichlorofluoromethane | ND | 1 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1 | | | | | | | | |
| Dichloromethane | ND | 2 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| Bromochloromethane | ND | 1 | | | | | | | | |
| Chloroform | ND | 1 | | | | | | | | |
| 2,2-Dichloropropane | ND | 1 | | | | | | | | |
| 1,2-Dichloroethane | ND | 1 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | | | | | | | | |
| 1,1-Dichloropropene | ND | 1 | | | | | | | | |
| Carbon tetrachloride | ND | 1 | | | | | | | | |
| Benzene | ND | 0.5 | | | | | | | | |
| Dibromomethane | ND | 1 | | | | | | | | |
| 1,2-Dichloropropane | ND | 1 | | | | | | | | |
| Trichloroethene | ND | 1 | | | | | | | | |
| Bromodichloromethane | ND | 1 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1 | | | | | | | | |
| Toluene | ND | 0.5 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1 | | | | | | | | |
| Dibromochloromethane | ND | 1 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 2 | | | | | | | | |
| Tetrachloroethene | ND | 1 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| Chlorobenzene | ND | 1 | | | | | | | | |
| Ethylbenzene | ND | 0.5 | | | | | | | | |
| m,p-Xylene | ND | 0.5 | | | | | | | | |
| Bromoform | ND | 1 | | | | | | | | |
| Styrene | ND | 1 | | | | | | | | |
| o-Xylene | ND | 0.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2 | | | | | | | | |
| Isopropylbenzene | ND | 1 | | | | | | | | |
| Bromobenzene | ND | 1 | | | | | | | | |
| n-Propylbenzene | ND | 1 | | | | | | | | |
| 4-Chlorotoluene | ND | 1 | | | | | | | | |
| 2-Chlorotoluene | ND | 1 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1 | | | | | | | | |
| tert-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1 | | | | | | | | |
| sec-Butylbenzene | ND | 1 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1 | | | | | | | | |
| n-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2 | | | | | | | | |
| Naphthalene | ND | 2 | | | | | | | | |
| Hexachlorobutadiene | ND | 2 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.47 | | 10 | | 95 | 70 | 130 | | | |
| Surr: Toluene-d8 | 10.2 | | 10 | | 102 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.78 | | 10 | | 98 | 70 | 130 | | | |

# Alpha Analytical, Inc.

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


**Date:** 29-May-09

## QC Summary Report

**Work Order:** 09051401

### Laboratory Control Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051802.D** Batch ID: **MS12W0518A** Analysis Date: **05/18/2009 09:32**

Sample ID: **LCS MS12W0518A** Units : **µg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 8.08 | 1 | 10 | | 81 | 80 | 120 | | | |
| Methyl tert-butyl ether (MTBE) | 8.67 | 0.5 | 10 | | 87 | 62 | 136 | | | |
| Benzene | 8.48 | 0.5 | 10 | | 85 | 70 | 130 | | | |
| Trichloroethene | 8.28 | 1 | 10 | | 83 | 70 | 130 | | | |
| Toluene | 8.47 | 0.5 | 10 | | 85 | 80 | 120 | | | |
| Chlorobenzene | 8.86 | 1 | 10 | | 89 | 70 | 130 | | | |
| Ethylbenzene | 8.94 | 0.5 | 10 | | 89 | 80 | 120 | | | |
| m,p-Xylene | 8.46 | 0.5 | 10 | | 85 | 70 | 130 | | | |
| o-Xylene | 8.51 | 0.5 | 10 | | 85 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.05 | | 10 | | 91 | 70 | 130 | | | |
| Surr: Toluene-d8 | 10.3 | | 10 | | 103 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10.3 | | 10 | | 103 | 70 | 130 | | | |

### Sample Matrix Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051821.D** Batch ID: **MS12W0518A** Analysis Date: **05/18/2009 16:46**

Sample ID: **09051401-01AMS** Units : **µg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.1 | 2.5 | 50 | 0 | 86 | 60 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 47.2 | 1.3 | 50 | 0 | 94 | 56 | 141 | | | |
| Benzene | 45.9 | 1.3 | 50 | 0 | 92 | 67 | 130 | | | |
| Trichloroethene | 43.5 | 2.5 | 50 | 0 | 87 | 69 | 130 | | | |
| Toluene | 44.8 | 1.3 | 50 | 0 | 90 | 66 | 130 | | | |
| Chlorobenzene | 47.1 | 2.5 | 50 | 0 | 94 | 70 | 130 | | | |
| Ethylbenzene | 47.3 | 1.3 | 50 | 0 | 95 | 68 | 130 | | | |
| m,p-Xylene | 45.1 | 1.3 | 50 | 0 | 90 | 64 | 130 | | | |
| o-Xylene | 45.7 | 1.3 | 50 | 0 | 91 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 44.2 | | 50 | | 88 | 70 | 130 | | | |
| Surr: Toluene-d8 | 51.3 | | 50 | | 103 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 51.5 | | 50 | | 103 | 70 | 130 | | | |

### Sample Matrix Spike Duplicate

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

File ID: **D:\MSDCHEM\MS12\DATA\090518\09051822.D** Batch ID: **MS12W0518A** Analysis Date: **05/18/2009 17:09**

Sample ID: **09051401-01AMSD** Units : **µg/L** Run ID: **MSD_12_090518A** Prep Date: **05/18/2009**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 42.6 | 2.5 | 50 | 0 | 85 | 60 | 130 | 43.06 | 1.1(20) | |
| Methyl tert-butyl ether (MTBE) | 48.5 | 1.3 | 50 | 0 | 97 | 56 | 141 | 47.15 | 2.8(20) | |
| Benzene | 44.9 | 1.3 | 50 | 0 | 90 | 67 | 130 | 45.92 | 2.3(20) | |
| Trichloroethene | 42.7 | 2.5 | 50 | 0 | 85 | 69 | 130 | 43.47 | 1.7(20) | |
| Toluene | 44.2 | 1.3 | 50 | 0 | 88 | 66 | 130 | 44.77 | 1.2(20) | |
| Chlorobenzene | 46.9 | 2.5 | 50 | 0 | 94 | 70 | 130 | 47.12 | 0.4(20) | |
| Ethylbenzene | 46.4 | 1.3 | 50 | 0 | 93 | 68 | 130 | 47.25 | 1.8(20) | |
| m,p-Xylene | 44.5 | 1.3 | 50 | 0 | 89 | 64 | 130 | 45.06 | 1.3(20) | |
| o-Xylene | 44.9 | 1.3 | 50 | 0 | 90 | 70 | 130 | 45.73 | 1.8(20) | |
| Surr: 1,2-Dichloroethane-d4 | 43.7 | | 50 | | 87 | 70 | 130 | | | |
| Surr: Toluene-d8 | 51.9 | | 50 | | 104 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 52.4 | | 50 | | 105 | 70 | 130 | | | |

**Comments:**

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

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

CA AMENDED #2



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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |
| David Lambert | (916) 921-0600 x | dlambert@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| **4 °C** | 14-May-2009 | **27-May-2009** |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_SG_S | TPH/E_SG_W | TPH/P_S | TPH/P_W | VOC_S | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | | PNA/PAH+2-Methylnaphthalene | | | Silica Gel | | GAS-C | | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | PNA/PAH+2-Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 1 | 0 | 5 | PNA/PAH+2-Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA Amended 5/27/09 @ 8:45: Per email from Larry via Reyna added 8260 extended list plus 2-methylnaphthalene to all samples : and added David Lambert as CC. EA

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | **Alpha Analytical, Inc.** | 5.27.09 9:03 |

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

AMENDED #2

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

CA

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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |
| David Lambert | (916) 921-0600 x | dlambert@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 27-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | 8260/MTBE_C | | | | | | | | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | | | | | | | | | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 1 | 0 | 5 | | | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA Amended 5/27/09 @ 8:45: Per email from Larry via Reyna added 8260 extended list plus 2-methylnaphthalene to all samples : and added David Lambert as CC. EA

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.27.09 9:23 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

AMENDED #2



CA

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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |
| David Lambert | (916) 921-0600 x | dlambert@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 27-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_SG_S | TPH/E_SG_W | TPH/P_S | TPH/P_W | VOC_S | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-08A | TK SW-1 17ft | SO | 05/12/09 10:15 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-09A | TK SW-2 17ft | SO | 05/12/09 10:17 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-10A | TK SW-3 17ft | SO | 05/12/09 11:15 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-11A | TK SW-4 17ft | SO | 05/12/09 11:20 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-12A | TK SW-5 17ft | SO | 05/12/09 11:45 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-13A | TK SW-6 17ft | SO | 05/12/09 12:00 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA Amended 5/27/09 @ 8:45: Per email from Larry via Reyna added 8260 extended list plus 2-methylnaphthalene to all samples : and added David Lambert as CC. EA

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.27.09 9:03 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

CA

AMENDED #2



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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |
| David Lambert | (916) 921-0600 x | dlambert@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | **27-May-2009** |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_SG_S | TPH/E_SG_W | TPH/P_S | TPH/P_W | VOC_S | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-14A | TK SW-7 17ft | SO | 05/12/09 13:02 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-15A | TK SW-8 17ft | SO | 05/12/09 13:05 | 1 | 0 | 5 | PNA/PAH+2 - Methylnaphthalene | | | Silica Gel | | GAS-C | | 8260/MTBE_C | (1) Geoprobe (3) EnCores Report w/ silica gel only. Logged in per sample ID on sample containers. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA Amended 5/27/09 @ 8:45: Per email from Larry via Reyna added 8260 extended list plus 2-methylnaphthalene to all samples : and added David Lambert as CC. EA

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5-27-09 9:03 |

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

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

AMENDED



CA

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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 22-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_SG_S | TPH/E_SG_W | TPH/P_S | TPH/P_W | VOC_S | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | | PNA/PAH | | | Silica Gel | | GAS-C | | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.22.09 8:24 |

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

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

AMENDED



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

CA

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 22-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | 8260/MTBE_Cs | | | | | | | | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | | | | | | | | | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 4 | 0 | 5 | | | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | **Alpha Analytical, Inc.** | 5.22.09 8:24 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD

CA AMENDED

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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 22-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_SG_S | TPH/E_SG_W | TPH/P_S | TPH/P_W | VOC_S | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-08A | TK SW-1 17ft | SO | 05/12/09 10:15 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-09A | TK SW-2 17ft | SO | 05/12/09 10:17 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-10A | TK SW-3 17ft | SO | 05/12/09 11:15 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-11A | TK SW-4 17ft | SO | 05/12/09 11:20 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-12A | TK SW-5 17ft | SO | 05/12/09 11:45 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-13A | TK SW-6 17ft | SO | 05/12/09 12:00 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-14A | TK SW-7 17ft | SO | 05/12/09 13:02 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-15A | TK SW-8 17ft | SO | 05/12/09 13:05 | 4 | 0 | 5 | PNA/PAH | | | Silica Gel | | GAS-C | | 8260/MTBE_Cs | (1) Geoprobe (3) EnCores Report w/ silica gel only. Logged in per sample ID on sample containers. |

**Comments:** Security seals intact. Frozen ice. Amended 5/22/09 @ 8:14: Added comment that sample -15A was logged in per sample containers. EA :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.22.09 8:24 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

# CHAIN-OF-CUSTODY RECORD


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




CA

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

EDD Required : **No**

Sampled by : Larry Flora

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | **14-May-2009** |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_S | TPH/E_SG_W | TPH/E_W | TPH/P_S | TPH/P_W | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | | PNA/PAH | | | Silica Gel | TPH/E_C | | GAS-C | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | Composite | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | **Alpha Analytical, Inc.** | 5.14.09 9:32 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

CA



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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | **14-May-2009** |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests VOC_S | VOC_W | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-01A | TK EXC-Water | AQ | 05/12/09 09:30 | 10 | 0 | 5 | | 8260/MTBE_Cs | | | | | | Report w/ silica gel only. 1 unpreserved voa received without a label deciphered through process of elimination. |
| ADR09051401-02A | STK P-3 A | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-03A | STK P-3 B | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-04A | STK P-3 C | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-05A | STK P-3 D | SO | 05/12/09 14:00 | 4 | 0 | 5 | | | | | | | | (3) 5g EnCore (1) Geoprobe Report w/ silica gel only. |
| ADR09051401-06A | Composite of STK P-3 A, B, C, and D | SO | 05/12/09 14:00 | 1 | 0 | 5 | 8260/MTBE_Cs | | | | | | | Report w/ silica gel only. |
| ADR09051401-07A | TK EXC 21 ft | SO | 05/12/09 09:45 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.14.09 9:32 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

CA



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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | 14-May-2009 |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests BNA_S | BNA_W | COMPOSITE | TPH/E_S | TPH/E_SG_W | TPH/E_W | TPH/P_S | TPH/P_W | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-08A | TK SW-1 17ft | SO | 05/12/09 10:15 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-09A | TK SW-2 17ft | SO | 05/12/09 10:17 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-10A | TK SW-3 17ft | SO | 05/12/09 11:15 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-11A | TK SW-4 17ft | SO | 05/12/09 11:20 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-12A | TK SW-5 17ft | SO | 05/12/09 11:45 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-13A | TK SW-6 17ft | SO | 05/12/09 12:00 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-14A | TK SW-7 17ft | SO | 05/12/09 13:02 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-15A | TK SW-8 17ft | SO | 05/12/09 13:05 | 4 | 0 | 5 | PNA/PAH | | | TPH/E_C | | | GAS-C | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | Alpha Analytical, Inc. | 5.14.09 9:32 |

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

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

CA



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

**WorkOrder : ADR09051401**

**Report Due By : 5:00 PM On : 21-May-2009**

**Client:**
ADR Envir. Group
1760 Creekside Oak Dr. #120

Sacramento, CA 95833

| Report Attention | Phone Number | EMail Address |
|---|---|---|
| Larry Flora | (916) 921-0600 x | lflora@adreg.com |

EDD Required : **No**

Sampled by : Larry Flora

PO : GPP

Client's COC # : 024843 Job : BHV101-08-011 CA

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 14-May-2009 | **14-May-2009** |

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

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests VOC_S | VOC_W | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADR09051401-08A | TK SW-1 17ft | SO | 05/12/09 10:15 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-09A | TK SW-2 17ft | SO | 05/12/09 10:17 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-10A | TK SW-3 17ft | SO | 05/12/09 11:15 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-11A | TK SW-4 17ft | SO | 05/12/09 11:20 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-12A | TK SW-5 17ft | SO | 05/12/09 11:45 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-13A | TK SW-6 17ft | SO | 05/12/09 12:00 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-14A | TK SW-7 17ft | SO | 05/12/09 13:02 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |
| ADR09051401-15A | TK SW-8 17ft | SO | 05/12/09 13:05 | 4 | 0 | 5 | 8260/MTBE_Cs | | | | | | | (1) Geoprobe (3) EnCores Report w/ silica gel only. |

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Elizabeth Adcox | Elizabeth Adcox | **Alpha Analytical, Inc.** | 5.14.09 9:32 |

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

**Billing Information:**
Name ADR Envir. Group
Address 1760 Creekside Oaks Dr. #120
City, State, Zip Sacto, CA 95833
Phone Number 916-921-0600 Fax 916-648-6688

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

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

024043

Page # 1 of 1

| Client Name | PO# NAME | Job # |
|---|---|---|
| Same As Above | GPP | BHV1 01-08-011 CA |
| **Address** | **EMail Address** | |
| | LFlora@ADReg.com | |
| **City, State, Zip** | **Phone #** | **Fax #** |
| | 916-921-0600 | 916-648-6688 |

Sampled by: Larry Flora
Report Attention: Larry Flora

| Time Sampled | Date Sampled | Matrix* See Key Below | Lab ID Number (Office Use Only) | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | GRO, DRO 8015 | VOCs 8260 | SVOCs (PAH/PAH) 8270 | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0930 | 5/12/09 | AQ | ADR0905140 1-01 | TK Exc - Water | 1 Week | | 2 L & VOA | X | X | X | | | | | |
| 1400 | | SO | -02;03;04;05 | STK P-3, A,B,C,D (Composite) | | | 4 Tubes 12 Encore 1 Tube 3 Encore | | | | | | | | Composite }-06 |
| 0945 | | SO | -07 | TK Exc 21' | | | | | | | | | | | |
| 10:15 | | | -08 | TK SW-1, 17' | | | | | | | | | | | |
| 10:17 | | | -09 | TK SW-2, 17' | | | | | | | | | | | |
| 11:15 | | | -10 | TK SW-3, 17' | | | | | | | | | | | |
| 11:20 | | | -11 | TK SW-4, 17' | | | | | | | | | | | |
| 11:45 | | | -12 | TK SW-5, 17' | | | | | | | | | | | |
| 12:00 | | | -13 | TK SW-6, 17' | | | | | | | | | | | |
| 13:00 | | | -14 | TK SW-7, 17' | | | | | | | | | | | |
| 13:05 | | | -15 | TK SW-7, 17' | | | | | | | | | | | |

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

**ADDITIONAL INSTRUCTIONS:**
Composite STK P-3 A,B,C,D Tubes + encores; Silica gel clean up for DRO
CA Reporting Limits

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | Larry Flora | Larry Flora | ADR Envir. Group | 5/13/09 | 915 |
| Received by | Lisa deSilva | Lisa deSilva | ALPHA | 5-13-09 | 915 |
| Relinquished by | Lisa deSilva | Lisa deSilva | ALPHA | 5-13-09 | 1500 |
| Received by | Elizabeth Adcox | Elizabeth Adcox | ~~Elizabeth Adcox~~ Alpha | 5.14.09 | 9:32 |
| Relinquished by | | | | | |
| Received by | | | | | |

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

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