

Appendix E

Phase II Site Assessment

California



Environmental

**SUBSURFACE SITE ASSESSMENT - PHASE II
GEOPHYSICAL, SOIL, SOIL VAPOR,
& UPDATED GROUNDWATER SURVEY**

Undeveloped Property
APN 4229-002-901
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

FOR

THOMAS SAFRAN & ASSOCIATES

11812 San Vicente Boulevard, Suite 600
Los Angeles, California 90049
Attention: Mr. Blake Coddington

CE Job No. EV0818-3471
November 2018

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30423 Canwood Street, Suite 208, Agoura Hills, CA 91301 • P: (818) 991-1542 • F: (818) 991-1542 • E: ceworks@calenviro.com

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1.0 INTRODUCTION

The following report represents the findings of the March 2002 and August 2018 subsurface assessment conducted at the subject property located at 3233 and 3311 Thatcher Avenue. The objective of this assessment was to evaluate subsurface contamination utilizing a combination of soil, soil gas, and groundwater sampling.

This report includes **CONCLUSIONS AND RECOMMENDATIONS** that are subject to the **NOTICE** at the end of this document. The scope of work included:

- A walkover of the site.
- Review of subsurface site assessments prepared for the property by previous consultants.
- Notification of Underground Service Alert locations to mark utilities.
- Conduct a geophysical survey to evaluate for metallic debris (including potential USTs) and utilities.
- Excavation of nineteen (19) soil vapor probe locations to depths of two to five feet below ground surface.
- Analysis of soil vapor in a fixed laboratory operated by HydroGeoSpectrum.
- Excavation of ten (10) borings to depths between five and sixteen feet below ground surface.
- Analysis of soil samples in a fixed-base laboratory operated by American Analytics.
- Analysis of groundwater samples in a fixed-base laboratory operated by Eurofins.
- Preparation of this report.

1.1 SITE DESCRIPTION

The property is on the south side of Thatcher Avenue at the intersection with Princeton Drive in the City of Los Angeles, California; see **FIGURE 1 - VICINITY MAP**. The current street addresses for the property are 3233 and 3311 Thatcher Avenue. According to the Los Angeles County Tax Assessor's office, the Assessor's Parcel Number (APN) for the subject property is 4229-002-901. The subject property consists of one (1) irregularly shaped parcel of land that encompasses approximately 3.3 acres. The property is currently undeveloped. The site recently occupied by the City of Los Angeles Wastewater Collection System Division (WCSD) Training Facility and a construction contractor. The former onsite structures were demolished in 2016.

2.0 GEOLOGY AND HYDROGEOLOGY

The subject property is located within the westernmost portion of the Los Angeles Basin, immediately adjacent to Marina Del Rey and the Pacific Ocean. The site is within the southern limit of the Santa Monica Groundwater Basin within the Ballona Gap, located to the north of the West Coast Basin. The shallow water-bearing zone within the Ballona Gap is referred to as the "50-foot gravel." The Ballona Gap is underlain by marine and estuary deposits consisting primarily of sand and silt. Ten (10) continuous core borings were advanced on the subject property by CE during March 2002. The cores contained fill and alluvial deposits consisting of silty sands. Moist to wet soil conditions were encountered at depths greater than five feet bgs.

Eleven (11) groundwater-monitoring wells are located on the central and southern portions of the property; see **FIGURE 2 – HISTORICAL ASSESSMENT PLAN**. These wells were installed in order to assess the extent of impacts from the underground storage tank release and landfill at 3311 Thatcher Avenue. The site stratigraphy was identified during logging of the continuous core borings excavated onsite. Onsite groundwater monitor wells show the depth to groundwater between 7 and 8 feet bgs. The

direction of groundwater flow is variable based on the prevailing tidal conditions in the vicinity of the subject property. The prevailing groundwater flow direction is toward the south-southwest.

3.0 PREVIOUS WORK

Previous environmental site assessment reports were obtained from the City of Los Angeles Department of Public Works, the Regional Water Quality Control Board, and the City of Los Angeles Fire Department. The reports for the property include:

- NorCal Engineering, *Chemical Analysis of Soils in Tank Excavation-Located at 3233 and 3311 Thatcher Avenue, Venice, California*, August 1987.
- International Technology Corporation, *Workplan - Groundwater Recovery and Treatment, Thatcher Avenue Site*, April 1989.
- City of Los Angeles, Department of Public Works, Bureau of Engineering Geotechnical Services, *Site Assessment and Preliminary Corrective Action Plan, Underground Fuel Tanks, Street Maintenance Yard, 3311 Thatcher Avenue, Venice*, May 1993.
- Camp Dresser & McKee, *Quarterly Groundwater Monitoring Report, January-March 1995*, April 1995.
- Camp Dresser & McKee, *Biannual Quarterly Groundwater Monitoring Report, January-June 1996*, April 1996.
- URS, *Biannual Quarterly Groundwater Monitoring Report-Second Quarter*, June 2001.
- California Environmental, *Preliminary Environmental Site Assessment - Phase I, the Wastewater Collection System Division Training Facility and the City of Los Angeles Department of Public Works, Bureau of Street Maintenance, 3233 and 3311 Thatcher Avenue, Venice*, October 2001.

The subject property (3233 and 3311 Thatcher Avenue) has been occupied by the City of Los Angeles since the 1950s-1960s. The southern portion of the property (3311 Thatcher Avenue) was originally unpaved in the early 1960s, at a slightly lower elevation. This area was utilized as a transfer station, but has since been backfilled to the present grade and paved. Trash and refuse consisting of broken glass, wires, wood, metal, plastic, and brick fragments were identified between two and eight feet below ground surface beneath the eastern portion of the property.

In August 1987, one (1) 1,000-gallon and two (2) 550-gallon underground diesel storage tanks were removed from the property. The 1,000-gallon underground storage tank was located beneath the eastern portion of the WCSSD Training (3233 Thatcher Avenue) facility. Two (2) 550-gallon underground storage tanks were previously located between the former office and housing structure on the Bureau of Street Maintenance Yard (3311 Thatcher Avenue) property. NorCal Engineering collected soil samples beneath the tank inverts under the supervision of the City of Los Angeles Fire Department. Low-level diesel impacts (up to 620 ppm) were found beneath the 550-gallon USTs. No detectable fuel hydrocarbons were found beneath the 1,000-gallon UST.

In 1989, IT Corporation excavated eleven (11) borings (B1-B11) as part of an assessment for the two (2) 550-gallon USTs. Groundwater was encountered between 7.0 and 13.0 feet below ground surface. IT Corporation, the Los Angeles City Bureau of Standards, and ALT installed eleven (11) groundwater-monitoring wells (MW12-MW22) beneath the Bureau of Street Maintenance parking lot in 1988 through 1991. A Corrective Action Plan was submitted to the RWQCB in May 1993. Groundwater monitoring continued through 1996. A UST Closure letter was issued for the UST release by the Regional Water Quality Control Board on November 19, 1996. No further action regarding the underground storage tank release was required. The RWQCB required additional assessment and potentially clean-up of chlorinated volatile organic compounds and pesticide impacts. Biannual groundwater monitoring was initiated from February 1995 to the present.

The *Biannual Groundwater Monitor Report – 2nd Quarter 2001*, prepared by URS, indicated that laboratory analysis found no detectable total petroleum and/or aromatic hydrocarbons in the eleven (11) groundwater monitoring wells. MtBE was found during this sampling event in MW17 at 4.2 µg/L. Concentrations of PCB (up to 1.3 µg/L), TCE (up to 16.0 µg/L), cis-1, 2-DCE (up to 19.0 µg/L), 1,4-DCE (1.4.0 µg/L), trans 1,2-DCE (up to 6.6 µg/L), and vinyl chloride (up to 63.0 µg/L) were also reported during this sampling event.

California Environmental prepared a *Preliminary Phase I Environmental Site Assessment* for the subject property addresses. Recognized environmental conditions were ascertained in connection with the subject property. Additional site assessment research and subsurface activities was recommended for the subject property.

4.0 SUBSURFACE ASSESSMENT

4.1 GEOPHYSICAL SURVEY

Spectrum Geophysics conducted a geophysical survey under the direction of California Environmental on March 7, 2002. The purpose of the geophysical survey was to delineate potential USTs, metallic debris, and to clear utilities. Total field magnetics and ground penetrating radar were used to identify the near surface debris and utilities. The geophysical survey identified four areas of near surface debris. The locations of the anomalies are depicted on the Spectrum Geophysical Field Report and contour maps attached in **APPENDIX III**. No anomalies suggestive of underground steel storage tanks were identified on the subject property.

4.2 SOIL VAPOR SAMPLING

A soil vapor survey was conducted onsite on March 12, 2002 by HydroGeoSpectrum under the direction of California Environmental. The soil vapor survey consisted of driving a one-half inch steel probe into the soil using a Geoprobe truck-mounted hydraulic-push rig. The probes were advanced to depths of up to five feet below grade. The steel probe was extracted from the ground and the depth of the excavation was measured. Filter pack consisting of Number 3 sand was placed in the base of the excavation. A one-quarter inch diameter perforated polyethylene tubing was then placed into the probe location. The tubing had an approximately 1-foot sensing zone. Filter pack was then placed around the tubing which covered the top of the perforations creating one foot long sensing zone. A one foot layer of granulated bentonite was then placed above the filter pack. The probes were hydrated and allowed to set for approximately twenty-four hours. Following the collection of the soil vapor sample, the probe location was then backfilled with bentonite chips and resurfaced with asphalt patch.

Prior to sampling, the probes were purged with the use of a Gullian vacuum pump. A purge rate of 200 milliliters per minute was utilized. Nineteen (19) soil vapor samples were collected from the nineteen (19) soil vapor probes. Upon completion of the purge, the soil vapor samples were collected into glass sampling bulbs fitted with Teflon stopcocks and a viton rubber sampling port. The soil vapor samples were analyzed for fuel hydrocarbons, volatile organic compounds, and fixed gases (methane, CO₂) per EPA Methods 8015 and 8260. Hydrogen sulfide, carbon monoxide, methane, VOCs, and oxygen were analyzed in the field using a Multi-RAE five-gas analyzer.

Laboratory analyses detected petroleum hydrocarbons (gasoline range) in four (4) of the nineteen (19) soil vapor samples. The highest concentration of TPH (up to 43 µg/L) was found in SV4 at 3 feet. Low levels of vinyl chloride (up to 5.8 µg/L), TCE (up to 0.5 µg/L), PCB (up to 7.6 µg/L), and benzene (up to 1.2 µg/L), were found in soil vapor beneath the subject property. Methane gas (up to 10.7%) was found with the fill deposit. No detectable methane concentrations were found on the WCSD facility site. Up to 12% (LEL - lower explosive level) methane was detected using the Multi-Rae PID within SV1.

The laboratory and field tests are summarized in **TABLES I and II, APPENDIX I**. The laboratory report is enclosed in **APPENDIX II**. The locations of the sampling points are shown on the attached **FIGURE 3 - SOIL VAPOR ASSESSMENT PLAN**.

4.3 SOIL SAMPLING

Ten (10) borings were excavated onsite on March 13, 2002 using a hydraulic push rig. The borings were advanced using a Geoprobe truck mounted hydraulic push rig. Individual soil samples were obtained from the continuous cores at intervals of approximately two to five feet in length. The maximum depth of borings was sixteen (16) feet bgs. Soil samples obtained from the borings were transported to a state certified laboratory operated by American Analytics. The samples were analyzed for total petroleum hydrocarbons, aromatic hydrocarbons, metals, volatile organic compounds, semi-volatile organic compounds, and herbicides/pesticides/PCBs per EPA methods 8015, 8020, 7420, 8260, 8270, 8081, and 8082. Fuel hydrocarbons and heavy oil hydrocarbons were found in the soil samples. Acetone (up to 120 µg/Kg) was found in four (4) of the ten (10) borings. No other volatile organic

compounds, semi-volatile organic compounds and/or pesticides/PCB's were found in the soil. The laboratory analyses identified elevated levels of lead (up to 9,300 mg/Kg) and zinc (1,400 mg/Kg) within the area of artificial fill. All other metals were within typical background levels. The results of the soil sampling are tabulated on **TABLES III, IV, and V** in **APPENDIX I**. The laboratory test report is attached in **APPENDIX II**.

4.4 GROUNDWATER SAMPLING

Seven (7) groundwater monitor wells were gauged and sampled by Blaine Tech under the direction of California Environmental on August 16, 2018. The sampling activities included the measurement of the groundwater elevations, removal of groundwater using a low flow bladder pump, monitoring of field stabilization parameters, and the collection of groundwater samples from the groundwater monitor wells. Field data sheets completed during the purging and the sampling are attached in **APPENDIX IV**. The sampled groundwater monitor wells are shown on **FIGURE 5 – GROUNDWATER ASSESSMENT PLAN**.

The groundwater samples were tested for TPH, VOCs, Title 22 Metals, organochlorine pesticides, pH, chloride, sulfate, nitrate, magnesium, sodium and calcium. Laboratory analysis of groundwater from wells MW17 and MW20 revealed concentrations of TPH gas (primarily diesel range) at 820 and 1,000 µg/L, respectively. Low concentrations of TCE and 1,2-DCE were detected in MW18 at 3.2 and 2.7 µg/L, respectively. No other VOCs were detected in the samples collected. Chloride detected in the groundwater samples ranged from 12 to 250 mg/L and nitrate ranged from non-detect to 1.3 mg/L. The samples collected ranged from slightly acidic (pH 6.37) to neutral (pH 7.1). Metals detected in groundwater included arsenic (<0.01 to 0.0228 mg/L), barium (0.061 to 0.398 mg/L), selenium (<0.015 to 0.0242 mg/L), thallium (<0.015 to 0.0295 mg/L), and zinc (0.0186 to 0.0761 mg/L). Nickel was detected in wells MW15 and MW18 at 0.0116 and 0.0143 mg/L, respectively. Vanadium was detected in wells MW17 and MW20 at 0.0126 and 0.0108 mg/L, respectively. All concentrations of metals detected are greatly below their respective maximum contaminant level (MCL). No pesticides were detected in samples collected. The tabulated data is presented on **TABLES VI, VII, and VIII** in **APPENDIX I**. The laboratory test report is attached in **APPENDIX II**.

5.0 FINDINGS

5.1 GEOPHYSICAL SURVEY

The geophysical survey, conducted on March 7, 2002, utilized total field magnetics and ground penetrating radar to identify anomalies associated with a suspect 840-gallon UST, metallic debris, and utilities. The geophysical survey identified four locations of near surface metallic debris. An anomaly suggestive of an underground tank was not found. A follow up survey will be conducted to locate the suspect abandoned oil corehole locate near the central portion of the property.

5.2 SOIL VAPOR SAMPLING

Nineteen (19) soil vapor points were excavated on the property on March 12, 2002. Nineteen (19) soil vapor samples were obtained from these points. The soil vapor samples were analyzed for petroleum hydrocarbons, volatile organic compounds, aromatic hydrocarbons, and fixed gases. Methane levels up to 10.7% were found (SV8 at 5 feet) within the artificial fill. Methane levels (up to 12% LEL) were found using a field PID near the within the area of artificial fill. Low levels of vinyl chloride (up to 5.8 µg/L), TCE (up to 0.5 µg/L), PCB (up to 7.6 µg/L), and benzene (up to 1.2 µg/L) were found in soil vapor beneath the subject property. The property is within the LADBS Methane Zone and an updated methane survey per LADBS standards will be conducted at the subject site.

5.3 SOIL SAMPLING

Ten (10) borings were excavated onsite using a hydraulic push rig on March 13, 2002. The borings were located based upon the geophysical data and soil vapor data. The soil samples obtained were analyzed for total petroleum. Laboratory analyses found elevated levels of total petroleum hydrocarbons (up to 6,200 mg/l(g) in the soil samples. Acetone (up to 130 µg/Kg) was found in four of the ten borings. No

other volatile organic compounds, semi-volatile organic compounds and/or pesticides/PCBs were found in soil. Elevated levels of lead (up to 9,300 mg/Kg) and zinc (1,400 mg/Kg) were detected in the soil from the area of the artificial fill. All other metals were within typical background levels. Future remediation of the lead impacted soil under the jurisdiction of the LARWQCB is contemplated.

5.4 GROUNDWATER SAMPLING

Seven (7) groundwater monitor wells were sampled on August 16, 2018. The groundwater samples were tested for TPH, VOCs, Title 22 Metals, organochlorine pesticides, pH, chloride, sulfate, nitrate, magnesium, sodium and calcium. Laboratory analysis of groundwater detected TPH (primarily diesel range) at 820 and 1,000 µg/L in two of the wells. Low concentrations of TCE and 1,2-DCE were detected in MW18 at 3.2 and 2.7 µg/L, respectively. No other TPH or VOCs were detected in the samples collected. Chloride detected in the groundwater samples ranged from 12 to 250 mg/L and nitrate ranged from non-detect to 1.3 mg/L. The samples collected ranged from slightly acidic (pH 6.37) to neutral (pH 7.1). All concentrations of metals detected were greatly below their respective maximum contaminant level (MCL). No pesticides were detected in samples collected. Future groundwater remediation is not anticipated.

6.0 CONCLUSIONS AND RECOMMENDATIONS

It is proposed to redevelop the property with a mixed-use project with a subterranean garage level. During the redevelopment process either removal or penetration of the artificial fill prism present on the southeastern portion of the property (3311 Thatcher Avenue) will be performed. The fill deposit extends to depths of 10 feet and typically contains debris consisting of glass, asphalt, concrete, and organics. Analysis of soil vapor extracted from within the fill deposit reveal pockets of methane greater than 10% by volume. The methane within the fill is likely generated through biologic breakdown of organic debris. Typically non-detect to very low levels of methane were found outside the area of the fill deposit. The methane hazard can be mitigated through either removal of the organic rich artificial fill

deposit or through the use of a subslab methane collection and abatement system. A vent cone and membrane will be required by LADBS for construction over the onsite abandoned oil core hole.

Elevated levels of petroleum hydrocarbons and lead were detected within the fill deposit. Up to 6,200 mg/Kg of total petroleum hydrocarbons were detected within the fill deposit. Up to 9,300 mg/Kg of lead were also found. The average concentration of lead in soil for the 29 samples analyzed from within the fill prism approaches 950 mg/Kg. Total lead levels which exceed 1,000 mg/Kg are considered hazardous waste in the State of California. Additional characterization of the lead impacted soil is required to determine the appropriate disposal point. A site remediation plan for the impacted soil will be presented to the LARWQCB for approval prior to implementation.

The City of Los Angeles (current property owner) requested sign-off from the Regional Water Quality Control Board (RWQCB) regarding the requirement for additional assessment associated with pesticides and solvents (PCE & TCE) in groundwater. Low concentrations of TCE and 1,2-DCE were detected in MW18 at 3.2 and 2.7 µg/L, respectively during August 2018. The current concentrations of solvent detected are below the current drinking water standards. No pesticides were detected during the August 2018 groundwater-sampling event. A contingency should be provided for abandonment of the eleven-onsite groundwater monitoring wells upon LARWQCB closure of the site. It is unlikely groundwater remediation will be required based on the results of the recent groundwater sampling.

7.0 NOTICE

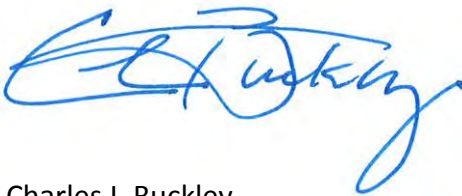
All properties are subject to some element of environmental risk and the risk cannot be eliminated. Industrial and commercial properties developed prior to modern environmental laws are especially risk prone to environmental hazards which include, but are not limited to, wastes which may be toxic, ignitable, corrosive or reactive. The potential for these environmental hazards to impact the use of the property can be reduced by the identification and mitigation of the hazards prior to development or redevelopment of the property. Due to the difficulty in locating underground wastes, in some cases it is not always possible to ascertain that hazardous wastes are present on the property prior to development.

The subsurface conditions described herein have been ascertained from excavations on the site as indicated, and should in no way be construed to reflect variations which may occur between or beyond these excavations. The chemical laboratory testing described herein was performed by a state certified testing laboratory. The state certified testing laboratory assumes responsibility for the testing procedures used in their analysis.

This report was prepared with the skill and competence as commonly used by environmental professionals in this area. No warranty, expressed or implied, of any kind is made or intended in connection with this report, or by the fact you are being furnished this report, or by any other oral or written statement.

Should you have any questions or desire any additional information, please contact the undersigned.

Respectfully submitted,



Charles I. Buckley
Professional Geologist No. 4035
Certified Engineering Geologist No. 1250
Certified Hydrogeologist No. 55



Gregory H. Buensuceso
Staff Geologist

8.0 REFERENCES

1. CALEPA, *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties*, dated January 2005, Updated 2010.
2. DTSC-CALEPA, *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*, dated November 2011.
3. Orswell & Kasman, *Phase I Environmental Site Assessment*, July 2, 2001.
4. TRC Alton Geoscience, *Second Quarter 2000, Fluid Level Monitoring and Groundwater Sampling Report*, June 2000.
5. *Chemical Analysis of Soils in Tank Excavation-Located at 3233 and 3311 Thatcher Avenue Venice California*, dated August 1987, by NorCal Engineering.
6. *Workplan - Groundwater Recovery and Treatment, Thatcher Avenue Site*, dated April 1989, by International Technology Corporation.
7. *Site Assessment and Preliminary Corrective Action Plan, Underground Fuel Tanks, Street Maintenance Yard, 3311 Thatcher Avenue, Venice*, dated May 1993, by City of Los Angeles, Department of Public Works, Bureau of Engineering Geotechnical Services.
8. *Quarterly Groundwater Monitoring Report, January-March 1995*, dated April 1995 by Camp Dresser & McKee.
9. *Biannual Quarterly Groundwater Monitoring Report, January-June 1996*, dated April 1996 by Camp Dresser & McKee.
10. *Biannual Quarterly Groundwater Monitoring Report-Second Quarter*, dated June 2001 by URS.
11. *Preliminary Environmental Site Assessment - Phase I the Wastewater Collection System Division Training Facility and the City of Los Angeles Department of Public Works, Bureau of Street Maintenance, 3233 and 3311 Thatcher Avenue, Venice*, dated October 2001 was prepared by California Environmental.

ILLUSTRATIONS

- Logs of Borings - Plates 1-10**
- Figure 1 - Vicinity Map**
- Figure 2 - Historical Assessment Plan**
- Figure 3 - Soil Vapor Assessment Plan**
- Figure 4 - Soil Assessment Plan**
- Figure 5 - Groundwater Assessment Plan**

LOG OF BORING CEB1

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | SD | Silty sand, medium to dark brown, slightly moist, no petroleum odor. | | 0 | | | |
| 2 | SD | Silty sand with asphalt, dark brown, moist, no petroleum odor. | | | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand with asphalt, dark brown, loose, moist to wet, asphalt odor. | | 0 | | | |
| 5 | | ALLUVIUM | | | | | |
| 6 | SD | Silty sand with gravel, dark brown, wet, slight petroleum odor. | SM | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Silty sand with gravel, dark brown to black, wet, slight organic odor. | SM | 0 | | | |
| 9 | | | | | | | |
| 10 | SD | Silty sand, medium brown, wet, no petroleum odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB2

| | | |
|---|---|--|
| JOB NUMBER: EV801-2303 | DATE: 3/13/02 | |
| CLIENT NAME: Patriot Homes | DRILL RIG: Hydraulic Push Rig | |
| SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California | SAMPLING METHOD: Continuous Core | |
| LOGGED BY: Christopher E. Rude | BORING DIAMETER: 2 inches | |
| REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | SURFACE CONDITIONS: Asphalt | |

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|--|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand with gravel and asphalt, medium brown to dark brown, slightly moist. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand with gravel (>1 inch diameter) and asphalt, medium brown, slightly moist. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand with glass fragments, loose, medium brown, slightly moist, very faint petroleum odor. | | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Silty sand with brick fragments and glass, medium to dark brown, moist, slight organic odor. | | 0 | | | |
| | | ALLUVIUM | | | | | |
| 9 | SD | Silty sand, medium brown to dark brown, wet, no petroleum odor. | SM | 0 | | | |
| 10 | SD | Silty sand, medium brown, wet, no petroleum odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB3

| | | |
|---|---|--|
| JOB NUMBER: EV801-2303 | DATE: 3/13/02 | |
| CLIENT NAME: Patriot Homes | DRILL RIG: Hydraulic Push Rig | |
| SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California | SAMPLING METHOD: Continuous Core | |
| LOGGED BY: Christopher E. Rude | BORING DIAMETER: 2 inches | |
| REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | SURFACE CONDITIONS: Asphalt | |

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Sand to silty sand, light brown to medium brown, firm, slightly moist, no petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand to clayey sand, medium orange to brown, moist, no petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand, medium brown to black, moist, slight organic odor. | | | | | |
| 7 | SD | Silty sand, medium brown to black, wet, no petroleum odor. | | 0 | | | |
| | | ALLUVIUM | | | | | |
| 8 | SD | Clayey sand, medium brown, wet, no petroleum odor. | SC | 0 | | | |
| 9 | | | | | | | |
| 10 | SD | Sand, coarse, brown, wet, no petroleum odor. | SP | 0 | | | |
| 11 | | End at 10 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB4

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand, light to medium brown, slightly moist, slight petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand to sandy silt, wood and shell fragments, slightly moist, loose, slight petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand, medium brown to black, moist, dense, slight petroleum odor. | | 0 | | | |
| 7 | | ALLUVIUM | | | | | |
| 8 | SD | Silty sand, medium to dark brown, wet, no petroleum odor. | SM | 0 | | | |
| 9 | | | | | | | |
| 10 | SD | Silty sand, medium to dark brown, wet, no petroleum odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB5

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand, light to medium brown, slightly moist, slight petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand, light to medium brown, slightly moist, no petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Sandy gravel (>1 inch diameter), medium brown to black, wet, slight organic petroleum odor. | | 0 | | | |
| 7 | | ALLUVIUM | | | | | |
| 8 | SD | Silty sand with gravel, medium brown to black, wet, slight organic odor. | SM | 0 | | | |
| 9 | | | | 0 | | | |
| 10 | SD | Silty sand, medium brown, soft, wet, no petroleum odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite, patched with A/C. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB6

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|--|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand to sandy gravel, brick fragments, light to medium brown, no petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand, light to medium brown, wet, loose, no petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand, medium brown, wet, no petroleum odor. | | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Silty sand with gravel (>1.5 inch diameter) medium brown, wet, slight organic odor. | | 0 | | | |
| | | ALLUVIUM | | | | | |
| 9 | SD | Silty sand, medium brown, dense, slight organic odor. | SM | 0 | | | |
| 10 | SD | Silty sand, medium brown, dense, wet, slight organic odor. | SM | 0 | | | |
| 11 | | End @ 10 ft., bgs., backfilled with bentonite, patched with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB7

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand with gravel, medium brown, slightly moist, no petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand, medium brown, coarse, slightly moist, no petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Clayey sand, light brown to medium brown, slightly moist, no petroleum odor. | | 0 | | | |
| 7 | | Refusal - concrete - slab from former USTs, stepped southerly approximately 2 ft. | | | | | |
| | | ALLUVIUM | | | | | |
| 8 | SD | Clayey sand, gray, slightly moist, fuel hydrocarbon odor. | SC | 0 | | | |
| 9 | SD | Clayey sand, gray to medium brown, moist, slight petroleum odor. | SC | 0 | | | |
| 10 | SD | Sand, gray, wet, very slight petroleum odor. | SP | 0 | | | |
| 11 | | | | | | | |
| 12 | | End @ 12 ft. bgs., backfilled with bentonite, patched with asphalt. | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB8

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|--|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand with gravel, light brown, slightly moist, no petroleum odor. | | 0 | | | |
| 3 | | ALLUVIUM | | | | | |
| 4 | SD | Silty sand to clayey sand, medium to grayish brown, slightly moist, no petroleum odor. | SM | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Clayey sand, medium brown, slightly moist, no petroleum odor. | SC | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Silty sand, medium to grayish brown, slightly moist to moist, slight organic odor. | SM | 0 | | | |
| 9 | SD | Silty sand, grayish brown, moist, no petroleum odor. | SM | 0 | | | |
| 10 | SD | Silty sand, medium brown, wet, slight organic odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



LOG OF BORING CEB9

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|---|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | SD | Silty sand to sandy gravel, light to medium brown, slightly moist, no petroleum odor. | | 0 | | | |
| 2 | SD | Clayey sand, medium brown, slightly moist, no petroleum odor. | | | | | |
| 3 | | ALLUVIUM | | | | | |
| 4 | SD | Clayey sand, medium brown, slightly moist, no petroleum odor. | SC | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand, medium to dark brown, slightly moist, no petroleum odor. | SM | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Silty sand, medium brown, wet, no petroleum odor. | SM | 0 | | | |
| 9 | | | | | | | |
| 10 | SD | Silty sand, medium brown, wet, no petroleum odor. | SM | 0 | | | |
| 11 | | End @ 10 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery



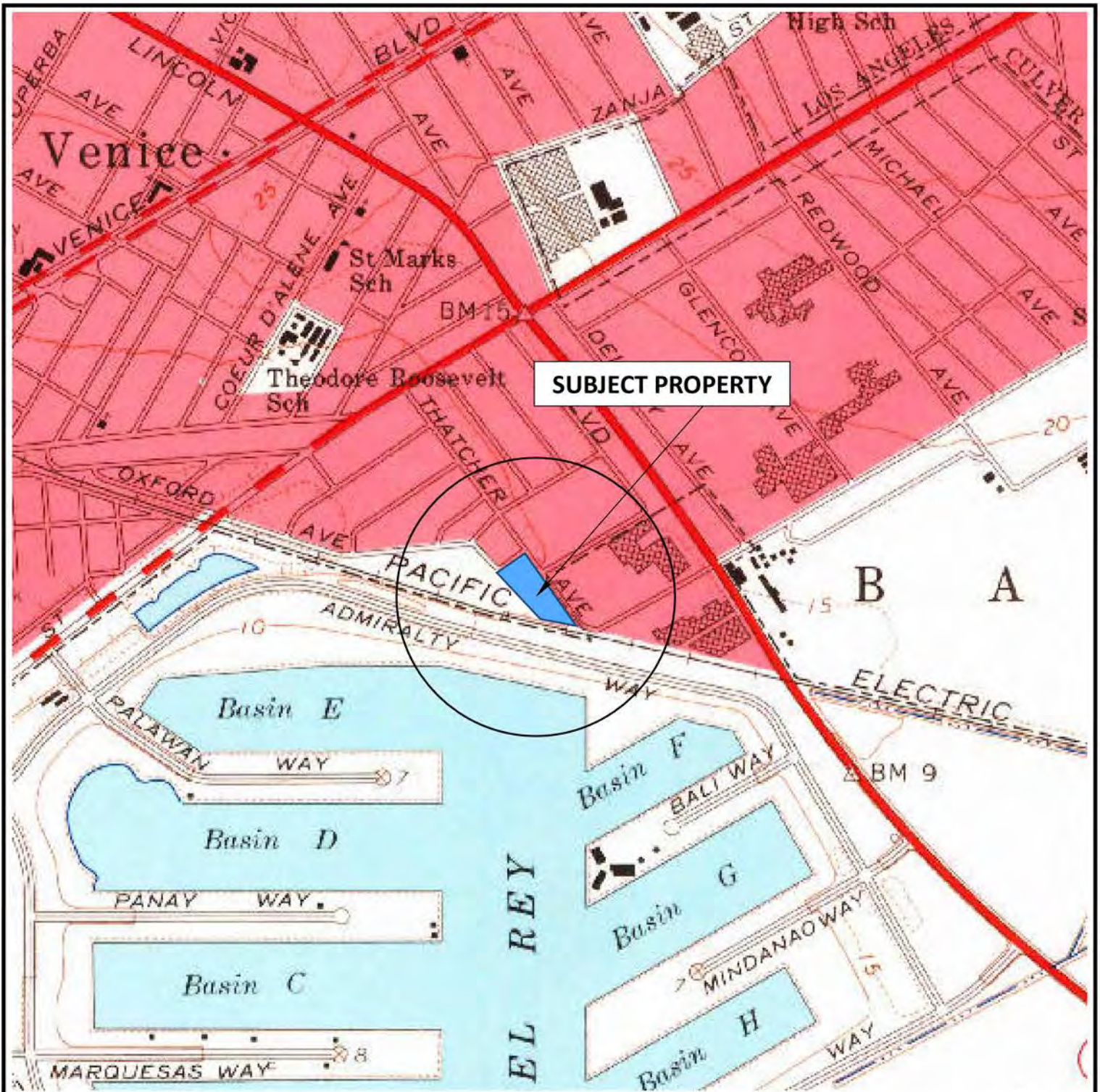
LOG OF BORING CEB10

| | |
|--|---|
| JOB NUMBER: EV801-2303 CLIENT NAME: Patriot Homes SITE ADDRESS: 3233-3311 Thatcher Avenue Los Angeles, California LOGGED BY: Christopher E. Rude REVIEWED BY: Charles I. Buckley, CHG No. 55 REA II No. 20116 | DATE: 3/13/02 DRILL RIG: Hydraulic Push Rig SAMPLING METHOD: Continuous Core BORING DIAMETER: 2 inches SURFACE CONDITIONS: Asphalt |
|--|---|

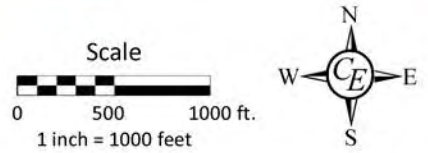
| Depth in Feet | Sample Type† | LITHOLOGIC DESCRIPTION | USCS Code | PID Reading (ppmv) | Blows per Foot | Graphic Log | Well Diagram |
|---------------|--------------|--|-----------|--------------------|----------------|-------------|--------------|
| 0 | | FILL | | | | | |
| 1 | | | | | | | |
| 2 | SD | Silty sand with gravel (to 1 inch diameter), medium brown to orange, slightly moist, loose, no petroleum odor. | | 0 | | | |
| 3 | | | | | | | |
| 4 | SD | Silty sand with gravel, glass fragments, medium brown to reddish brown, loose, no petroleum odor. | | 0 | | | |
| 5 | | | | | | | |
| 6 | SD | Silty sand, glass fragments, medium brown to reddish brown, slightly moist, loose, no petroleum odor. | | 0 | | | |
| 7 | | | | | | | |
| 8 | SD | Sand, coarse, medium brown, wet, slight petroleum odor. | | 0 | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | ALLUVIUM | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | Drove to sixteen feet bgs., no recovery in coarse sand. | SP | 0 | | | |
| 17 | | End @ 16 ft. bgs., backfilled with bentonite, capped with asphalt. | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |

†Sample Type: S=Soil W=Water V=Vapor
 D=Drive G=Grab N=No Recovery





SUBJECT PROPERTY



References: USGS 7.5' Venice Topographic Quadrangle, 1964.



FIGURE 1 - VICINITY MAP
 3233 & 3311 Thatcher Avenue,
 Los Angeles, California

| | | | |
|-------------|------------|-------|----------------------|
| Drawn By: | GHB | Job # | EV0818-3471 |
| Checked By: | CIB | Date: | November 2018 |

*California
 Environmental*

3471 Vicinity Map



Explanation

- Location and ID of CDM vapor probe, March 1995.
- Location and ID of CDM soil boring, March & August 1995.
- Location and ID of CDM soil boring, July 1998.
- Approximate location of artificial fill (based on URS map, 2001).
- ⊕ Location and ID of groundwater monitoring well.
- Approximate location of abandoned exploratory oil well (based on DOGGR Well Finder).

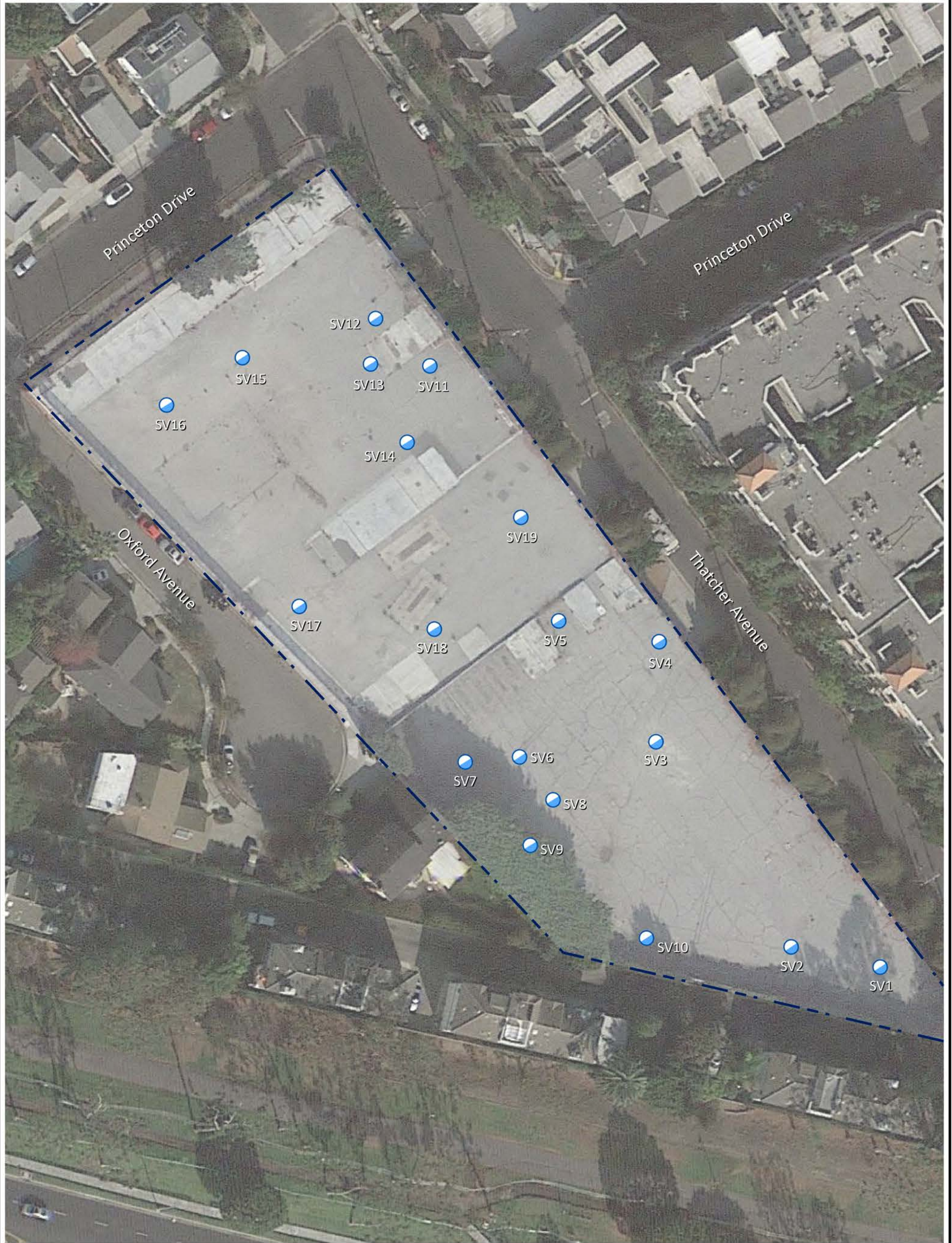
FIGURE 2 - HISTORICAL ASSESSMENT PLAN



References: Google Earth

| | |
|---|-----------------------------|
| California Environmental | |
| Client GPI | Job # EV0117-3471 |
| Location 3233 Thatcher Avenue, Marina del Rey, CA | By GHB |
| Date: November 2018 | Checked By CIB |

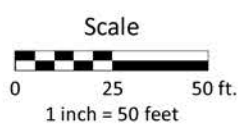




Explanation

● Location and ID of CE soil vapor probe (5-foot bgs), March 2002.

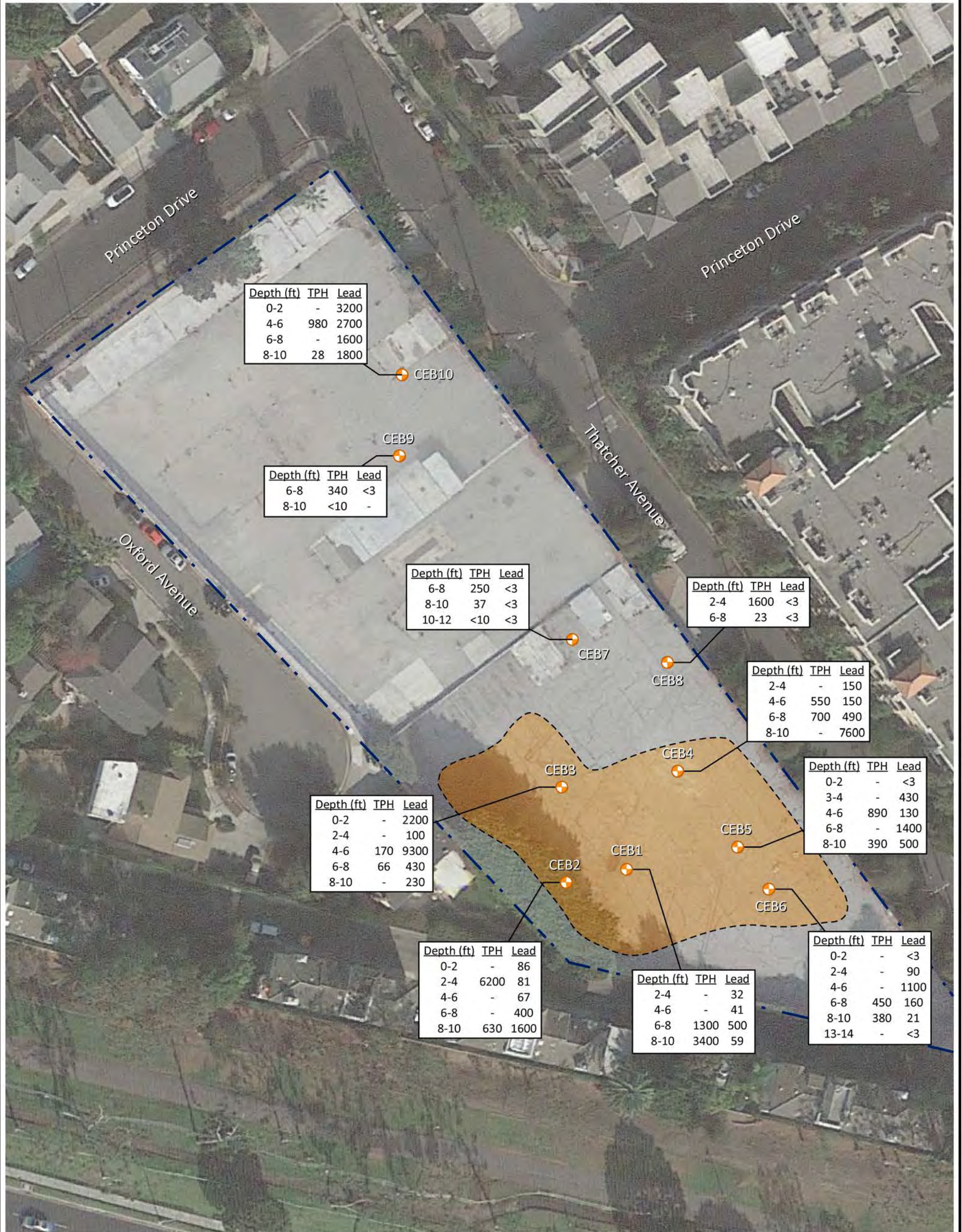
FIGURE 3 - SOIL VAPOR ASSESSMENT PLAN



References: Google Earth

| | |
|---|-----------------------------|
| California Environmental | |
| Client GPI | Job # EV0117-3471 |
| Location 3233 Thatcher Avenue, Marina del Rey, CA | By GHB |
| Date: November 2018 | Checked By CIB |





| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 0-2 | - | 3200 |
| 4-6 | 980 | 2700 |
| 6-8 | - | 1600 |
| 8-10 | 28 | 1800 |

CEB10

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 6-8 | 340 | <3 |
| 8-10 | <10 | - |

CEB9

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 6-8 | 250 | <3 |
| 8-10 | 37 | <3 |
| 10-12 | <10 | <3 |

CEB7

| Depth (ft) | TPH | Lead |
|------------|------|------|
| 2-4 | 1600 | <3 |
| 6-8 | 23 | <3 |

CEB3

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 2-4 | - | 150 |
| 4-6 | 550 | 150 |
| 6-8 | 700 | 490 |
| 8-10 | - | 7600 |

CEB3

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 0-2 | - | <3 |
| 3-4 | - | 430 |
| 4-6 | 890 | 130 |
| 6-8 | - | 1400 |
| 8-10 | 390 | 500 |

CEB3

CEB4

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 0-2 | - | 2200 |
| 2-4 | - | 100 |
| 4-6 | 170 | 9300 |
| 6-8 | 66 | 430 |
| 8-10 | - | 230 |

CEB3

CEB1

CEB5

CEB6

| Depth (ft) | TPH | Lead |
|------------|------|------|
| 0-2 | - | 86 |
| 2-4 | 6200 | 81 |
| 4-6 | - | 67 |
| 6-8 | - | 400 |
| 8-10 | 630 | 1600 |

CEB2

| Depth (ft) | TPH | Lead |
|------------|------|------|
| 2-4 | - | 32 |
| 4-6 | - | 41 |
| 6-8 | 1300 | 500 |
| 8-10 | 3400 | 59 |

| Depth (ft) | TPH | Lead |
|------------|-----|------|
| 0-2 | - | <3 |
| 2-4 | - | 90 |
| 4-6 | - | 1100 |
| 6-8 | 450 | 160 |
| 8-10 | 380 | 21 |
| 13-14 | - | <3 |

Explanation

- Location and ID of CE boring showing TPH and lead concentrations in mg/kg, March 2002.
- Approximate location of artificial fill (based on URS map, 2001).

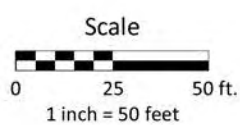


FIGURE 4 - SOIL ASSESSMENT PLAN

| | |
|---|-----------------------------|
| California Environmental | |
| Client GPI | Job # EV0117-3471 |
| Location 3233 Thatcher Avenue, Marina del Rey, CA | By GHB |
| Date: November 2018 | Checked By CIB |





Explanation

⊕ Location and ID of groundwater monitor well sampled October 2018.

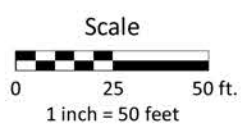


FIGURE 5 - GROUNDWATER ASSESSMENT PLAN

California Environmental



| | | | |
|----------|--|------------|-------------|
| Client | GPI | Job # | EV0117-3471 |
| Location | 3233 Thatcher Avenue, Marina del Rey, CA | By | GHB |
| Date: | November 2018 | Checked By | CIB |

APPENDIX I

Table I - Laboratory Analysis of Soil Gas – TPH & VOCs

Table II - Laboratory Analysis of Soil Gas – Fixed Gases

Table III - Laboratory Analysis of Soil - TPH

Table IV - Laboratory Analysis of Soil – Organics

Table V - Laboratory Analysis of Soil – Metals

Table VI - Laboratory Analysis of Groundwater – TPH, VOCs, Anions, & pH

Table VII - Laboratory Analysis of Groundwater – Metals

Table VIII - Laboratory Analysis of Groundwater – Pesticides

TABLE I
Laboratory Analysis of Soil Gas - TPH & VOCs
 3233 & 3311 Thatcher Avenue
 Los Angeles, California 90292

| Sample ID | Date | EPA Method 8015M (µg/l) | EPA Method 8260B (µg/l) | | | |
|-----------|-----------|------------------------------|-------------------------|-------------------|---------------------|---------|
| | | Total Petroleum Hydrocarbons | Vinyl Chloride | Trichloroethylene | Tetrachloroethylene | Benzene |
| SV1 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV2 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV3 | 3/12/2002 | 10 | 1 | ND | ND | ND |
| SV4 | 3/12/2002 | 43 | 5.8 | ND | ND | 1.2 |
| SV5 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV6 | 3/12/2002 | ND | ND | ND | 7.6 | ND |
| SV7 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV8 | 3/12/2002 | 15 | 1.1 | ND | ND | ND |
| SV9 | 3/12/2002 | 2 | ND | ND | ND | ND |
| SV10 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV11 | 3/12/2002 | ND | ND | 0.5 | 1.1 | ND |
| SV12 | 3/12/2002 | ND | ND | ND | 0.8 | ND |
| SV13 | 3/12/2002 | ND | ND | ND | 1 | ND |
| SV14 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV15 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV16 | 3/12/2002 | ND | ND | ND | ND | ND |
| SV17 | 3/12/2002 | ND | ND | ND | 0.4 | ND |
| SV18 | 3/12/2002 | ND | ND | ND | 0.6 | ND |
| SV19 | 3/12/2002 | ND | ND | ND | 0.5 | ND |

ND - At or below method detection limit

TABLE II
Laboratory Analysis of Soil Gas - Fixed Gases
 3233 & 3311 Thatcher Avenue
 Los Angeles, California 90292

| Sample ID | Date | Fixed Gases Laboratory Analysis | | Multi-Rae PID | | | | |
|-----------|-----------|------------------------------------|-----------------|---------------|------|------------------|-----------------|------|
| | | CO ₂ | CH ₄ | CO | O | H ₂ S | CH ₄ | VOC |
| | | % | % | ppmV | % | ppmV | % LEL | ppmV |
| SV1 | 3/12/2002 | 7.6 | 0.2 | 1.0 | 5.7 | 0.0 | 12.0 | 0.6 |
| SV2 | 3/12/2002 | 6.9 | 3.4 | 3.5 | 3.5 | 0.0 | 3.0 | 0.8 |
| SV3 | 3/12/2002 | 6.0 | 6.4 | 8.0 | 11.1 | 0.0 | 7.3 | 1.1 |
| SV4 | 3/12/2002 | 6.4 | 6.7 | 0.0 | 12.3 | 0.0 | 9.4 | 20.7 |
| SV5 | 3/12/2002 | 3.7 | ND | 0.0 | 13.3 | 0.0 | 1.0 | 0.4 |
| SV6 | 3/12/2002 | 0.2 | ND | 8.0 | 20.6 | 0.0 | 3.0 | 0.1 |
| SV7 | 3/12/2002 | 2.4 | ND | 3.0 | 19.0 | 0.0 | 4.0 | 1.0 |
| SV8 | 3/12/2002 | 5.0 | 10.7 | 13.0 | 5.5 | 0.0 | 1.0 | 0.7 |
| SV9 | 3/12/2002 | 4.3 | 5.3 | 3.0 | 20.4 | 0.0 | 4.0 | 0.1 |
| SV10 | 3/12/2002 | 6.4 | 2.6 | 1.0 | 5.7 | 0.0 | 4.6 | 1.3 |
| SV11 | 3/12/2002 | 4.7 | ND | 0.0 | 15.9 | 0.0 | 0.0 | 0.5 |
| SV12 | 3/12/2002 | 0.4 | ND | 0.0 | 19.8 | 0.0 | 0.0 | 0.0 |
| SV13 | 3/12/2002 | 3.4 | ND | 0.0 | 18.2 | 0.0 | 0.0 | 0.6 |
| SV14 | 3/12/2002 | 4.8 | ND | 0.0 | 20.4 | 0.0 | 0.0 | 0.0 |
| SV15 | 3/12/2002 | 2.3 | ND | 0.0 | 21.1 | 0.0 | 0.0 | 0.0 |
| SV16 | 3/12/2002 | 2.1 | ND | 0.0 | 21.1 | 0.0 | 0.0 | 0.0 |
| SV17 | 3/12/2002 | 3.2 | ND | 0.0 | 19.6 | 0.0 | 0.0 | 0.0 |
| SV18 | 3/12/2002 | 2.5 | ND | 0.0 | 18.8 | 0.0 | 0.0 | 0.9 |
| SV19 | 3/12/2002 | 3.8 | ND | 0.0 | 18.3 | 0.0 | 0.0 | 0.6 |

ND - Non-detect (below method detection limit)

CO - Carbon Monoxide

CO₂ - Carbon Dioxide

CH₄ - Methane

O - Oxygen

H₂S - Hydrogen Sulfide

VOC - Volatile Organic Compounds

ppmV - parts per million by volume

TABLE III
Laboratory Analysis of Soil - TPH
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

| Sample ID | Date | EPA Method 8015M (mg/kg) | | | |
|--------------|-----------|--------------------------|---------|-------|-----------|
| | | C6-C12 | C13-C22 | C23+ | Total TPH |
| CEB1@6-8ft | 3/13/2002 | 15.4 | 55 | 1272 | 1300 |
| CEB1@8-10ft | 3/13/2002 | <20 | 520 | 2900 | 3400 |
| CEB2@2-4ft | 3/13/2002 | <10 | 93 | 6110 | 6200 |
| CEB2@8-10ft | 3/13/2002 | 21.7 | 36.3 | 573 | 630 |
| CEB3@4-6ft | 3/13/2002 | <1 | 6.7 | 162.6 | 170 |
| CEB3@6-8ft | 3/13/2002 | <1 | 16.7 | 49 | 66 |
| CEB4@4-6ft | 3/13/2002 | 11.5 | 23.6 | 514 | 550 |
| CEB4@6-8ft | 3/13/2002 | 24.7 | 85 | 586 | 700 |
| CEB5@4-6ft | 3/13/2002 | 10 | 22.5 | 861 | 890 |
| CEB5@8-10ft | 3/13/2002 | 1.1 | 27.3 | 358 | 390 |
| CEB6@6-8ft | 3/13/2002 | 1 | 21.3 | 411.7 | 450 |
| CEB6@8-10ft | 3/13/2002 | 14.6 | 30.9 | 331.6 | 380 |
| CEB7@6-8ft | 3/13/2002 | 43 | 201 | 6.6 | 250 |
| CEB7@8-10ft | 3/13/2002 | <1 | <1 | 37.4 | 37 |
| CEB7@10-12ft | 3/13/2002 | <1 | <1 | <1 | <10 |
| CEB8@2-4ft | 3/13/2002 | 19.2 | 72 | 1519 | 1600 |
| CEB8@6-8ft | 3/13/2002 | <1 | <1 | 73.1 | 23 |
| CEB9@6-8ft | 3/13/2002 | <1 | 23.6 | 316.6 | 340 |
| CEB9@8-10ft | 3/13/2002 | <1 | <1 | <1 | <10 |
| CEB10@4-6ft | 3/13/2002 | 32.2 | 23.2 | 922 | 980 |
| CEB10@8-10ft | 3/13/2002 | <1 | <1 | 27.6 | 28 |

TABLE IV
Laboratory Analysis of Soil - Organics
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

| Sample ID | Date | EPA Method 8260B (µg/kg) | | | | EPA Method 8270 (µg/kg) | EPA Method 8081/8082 (µg/kg) |
|--------------|-----------|--------------------------|--------|------|--------------------|-------------------------|------------------------------|
| | | Acetone | BTEX | MtBE | All Other Analytes | All Analytes | All Analytes |
| CEB1@6-8ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | ND |
| CEB1@8-10ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | ND |
| CEB2@2-4ft | 3/13/2002 | 51 | <2 | <5 | ND | ND | ND |
| CEB2@8-10ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | ND |
| CEB3@4-6ft | 3/13/2002 | -- | -- | -- | -- | ND | ND |
| CEB3@8-10ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | ND |
| CEB4@4-6ft | 3/13/2002 | 120 | <2 | <5 | ND | ND | ND |
| CEB4@6-8ft | 3/13/2002 | 130 | <2 | <5 | ND | ND | ND |
| CEB5@4-6ft | 3/13/2002 | 55 | <2 | <5 | ND | ND | ND |
| CEB5@8-10ft | 3/13/2002 | 66 | <2 | <5 | ND | ND | ND |
| CEB6@6-8ft | 3/13/2002 | 110 | <2 | <5 | ND | ND | ND |
| CEB6@8-10ft | 3/13/2002 | 58 | <2 | <5 | ND | ND | ND |
| CEB7@6-8ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | -- |
| CEB7@8-10ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | -- |
| CEB7@10-12ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | -- |
| CEB8@2-4ft | 3/13/2002 | <50 | <2 | <5 | ND | ND | ND |
| CEB8@6-8ft | 3/13/2002 | -- | <0.02* | -- | -- | -- | -- |

TABLE V
Laboratory Analysis of Soil - Metals
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

| Sample ID | Date | Metals (mg/kg) (All Other Metals Less Than 10 Times STLC) | |
|--------------|-----------|--|------|
| | | Lead | Zinc |
| CEB1@2-4ft | 3/13/2002 | 32 | -- |
| CEB1@4-6ft | 3/13/2002 | 41 | -- |
| CEB1@6-8ft | 3/13/2002 | 500 | 170 |
| CEB1@8-10ft | 3/13/2002 | 59 | 43 |
| | | | |
| CEB2@0-2ft | 3/13/2002 | 76 | -- |
| CEB2@2-4ft | 3/13/2002 | 81 | 150 |
| CEB2@4-6ft | 3/13/2002 | 67 | -- |
| CEB2@6-8ft | 3/13/2002 | 400 | -- |
| CEB2@8-10ft | 3/13/2002 | 1600 | 210 |
| | | | |
| CEB3@0-2ft | 3/13/2002 | 2200 | -- |
| CEB3@2-4ft | 3/13/2002 | 100 | -- |
| CEB3@4-6ft | 3/13/2002 | 9300 | 480 |
| CEB3@6-8ft | 3/13/2002 | 430 | -- |
| CEB3@8-10ft | 3/13/2002 | 230 | 260 |
| | | | |
| CEB4@2-4ft | 3/13/2002 | 150 | -- |
| CEB4@4-6ft | 3/13/2002 | 150 | 230 |
| CEB4@6-8ft | 3/13/2002 | 490 | 1400 |
| CEB4@8-10ft | 3/13/2002 | 7600 | -- |
| | | | |
| CEB5@0-2ft | 3/13/2002 | <3 | -- |
| CEB5@3-4ft | 3/13/2002 | 430 | -- |
| CEB5@4-6ft | 3/13/2002 | 130 | 70 |
| CEB5@6-8ft | 3/13/2002 | 1400 | -- |
| CEB5@8-10ft | 3/13/2002 | 500 | 260 |
| | | | |
| CEB6@0-2ft | 3/13/2002 | <3 | -- |
| CEB6@2-4ft | 3/13/2002 | 90 | -- |
| CEB6@4-6ft | 3/13/2002 | 1100 | -- |
| CEB6@6-8ft | 3/13/2002 | 160 | 110 |
| CEB6@8-10ft | 3/13/2002 | 21 | 80 |
| CEB6@13-14ft | 3/13/2002 | <3 | -- |
| | | | |
| CEB7@6-8ft | 3/13/2002 | <3 | -- |
| CEB7@8-10ft | 3/13/2002 | <3 | -- |
| CEB7@10-12ft | 3/13/2002 | <3 | -- |
| | | | |
| CEB8@2-4ft | 3/13/2002 | <3 | 51 |
| CEB8@6-8ft | 3/13/2002 | <3 | -- |
| | | | |
| CEB9@6-8ft | 3/13/2002 | <3 | -- |
| | | | |
| CEB10@0-2ft | 3/13/2002 | 3200 | -- |
| CEB10@4-6ft | 3/13/2002 | 2700 | -- |
| CEB10@6-8ft | 3/13/2002 | 1600 | -- |
| CEB10@8-10ft | 3/13/2002 | 1800 | -- |

TABLE VI
Laboratory Analysis of Groundwater - TPH, VOCs, Anions & pH
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

| Sample ID | Date | SM 4500 H+ B (pH) | EPA Method 8015B (µg/L) TPH (C6-C44) | EPA Method 300 Anions (mg/L) | | EPA Method 8260B (µg/L) | | | | | | | | | |
|-----------|-----------|-------------------|--------------------------------------|------------------------------|---------|-------------------------|------|------|------|------|-------------|------|------|--------------------|----|
| | | | | Chloride | Nitrate | B | T | E | X | MTBE | Naphthalene | PCE | TCE | All Other Analytes | |
| MW-14 | 8/16/2018 | 6.71 | ND | 85 | <.10 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | ND |
| MW-15 | 8/16/2018 | 6.82 | ND | 180 | 0.31 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | ND |
| MW-17 | 8/16/2018 | 6.37 | 820** | 12 | <.20 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | ND |
| MW-18 | 8/16/2018 | 6.96 | ND | 130 | 1.3 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | 3.2 | * | |
| MW-19 | 8/16/2018 | 6.94 | ND | 250 | <.10 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | ND |
| MW-20 | 8/16/2018 | 7.1 | 1000** | 16 | 0.41 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | ND |
| MW-22 | 8/16/2018 | 6.98 | ND | 240 | <.10 | <2.5 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | ND |

TPH - Total Petroleum Hydrocarbons; B – Benzene; T – Toluene; E – Ethylbenzene; X – Xylene; MTBE - Methyl tert-Butyl Ether;

PCE – Tetrachloroethene; TCE – Trichloroethene

* - (c-1,2-Dichloroethene - 2.7 µg/L); ** = primarily diesel range hydrocarbons

TABLE VII
Laboratory Analysis of Groundwater - Metals
3233 & 3311 Thatcher Avenue
Los Angeles, California 90292

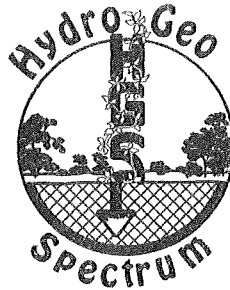
| Sample I.D. | Date | ICP Metals - EPA 6010B (mg/L) | | | | | | | | | | | | | | | | |
|-------------|-----------|-------------------------------|---------------|--------------|-----------|---------|----------|--------|--------|-------|---------|------------|---------------|---------------|--------|---------------|---------------|---------------|
| | | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc |
| MW-14 | 8/16/2018 | <0.015 | 0.0133 | 0.259 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | <0.01 | <0.015 | <0.005 | 0.0219 | <0.01 | 0.0244 |
| MW-15 | 8/16/2018 | <0.015 | 0.0142 | 0.136 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | 0.0116 | 0.0172 | <0.005 | 0.0176 | <0.01 | 0.0186 |
| MW-17 | 8/16/2018 | <0.015 | 0.0228 | 0.398 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | <0.01 | 0.0219 | <0.005 | 0.0198 | 0.0126 | 0.0426 |
| MW-18 | 8/16/2018 | <0.015 | 0.0205 | 0.346 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | 0.0143 | 0.0242 | <0.005 | <0.015 | <0.01 | 0.0614 |
| MW-19 | 8/16/2018 | <0.015 | 0.0105 | 0.169 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | <0.01 | 0.0157 | <0.005 | 0.0218 | <0.01 | 0.0761 |
| MW-20 | 8/16/2018 | <0.015 | <0.01 | 0.31 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | <0.01 | 0.0239 | <0.005 | 0.0295 | 0.0108 | 0.0377 |
| MW-22 | 8/16/2018 | <0.015 | 0.0163 | 0.061 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.0005 | <0.01 | <0.01 | 0.0173 | <0.005 | 0.0217 | <0.01 | 0.0306 |

TABLE VIII
Laboratory Analysis of Groundwater - Pesticides
 3233 & 3311 Thatcher Avenue
 Los Angeles, California 90292

| Sample I.D. | Date | EPA Method 8081A - Pesticides (µg/L) | | | | | | |
|-------------|-----------|--------------------------------------|-----------------|-----------|---------|----------|---------|--------------------|
| | | Alpha-Chlordane | Gamma-Chlordane | Chlordane | 4,4-DDE | Dieldrin | 4,4-DDT | All other analytes |
| MW-14 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-15 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-17 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-18 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-19 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-20 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |
| MW-22 | 8/16/2018 | <0.094 | <0.094 | <0.94 | <0.094 | <0.094 | <0.094 | ND |

APPENDIX II

Laboratory Reports



March 17, 2002

Chris Rude
California Environmental
31119 Via Colinas, Suite 501
Westlake Village, Ca 91362

Dear Chris:

Enclosed please find the report on the soil vapor sampling performed at 3233 and 3311 Thatcher Avenue in Venice, Ca on March 12-13, 2002. You will find one bound and one unbound copy with the following sections:

- i. Technical approach with results and discussion.
- ii. Spreadsheet of results.
- iii. Raw data in LARWQCB format.
- iv. QA/QC section in LARWQCB format.
- v. Chromatograms (unbound copy only).

If you have any questions or additional requirements, please do not hesitate to call. It was a pleasure working with you, and I look forward to future projects.

Sincerely,

A handwritten signature in black ink, appearing to read "Raphe Pavlick".

Raphe Pavlick
Director

SOIL VAPOR TECHNICAL APPROACH

Shallow probes were installed to a maximum depth of 5 feet bgs utilizing the *MeisterProbe* hydraulic installation system (a modified version of *Geoprobe*). Using this system, a one inch steel pipe with a drop-off well point on the lead end is inserted to depth. Upon reaching depth, the pipe is withdrawn approximately six inches, allowing the well point to drop off and thus exposing the pipe to the open annulus at depth. Polyethylene tubing (1/4 inch) equipped with an *anchor* is inserted through the tubing into the open annulus. A small amount of coarse sand is allowed to flow through the inside of the steel pipe so as to form a permeable sand pack at depth. At this point the steel pipe is withdrawn to the surface while grouting the upper part of the hole with bentonite slurry formed *in situ* from granular bentonite. The polyethylene tubing is connected to the sampling train, and soil vapor sampling is initiated. The tubing exiting the surface of the ground is connected to a glass sampling bulb fitted with Teflon stopcocks and a viton rubber sampling port. This bulb is connected in turn to a vacuum gauge, flowmeter, and portable sampling pump. Initially both stopcocks are closed, and the absence of flow and the presence of a slight vacuum is noted. This demonstrates that the sampling train on the far end of the bulb is leak-tight. Then the first stopcock (pump end) is opened; the absence of flow demonstrates that the sampling bulb itself is leaktight. The ground end of the bulb is then opened, and a flow of 150-200 ml/min is maintained for seven to ten purge volumes. During the sampling a leak-check compound such as isobutane is placed near and around the sample train. Any trace of this compound detected in the sample indicates the intrusion of ambient air into the sampling train, invalidating the results of that sample. No such leaks were detected with any of the samples. The stopcocks were then closed (pump end first), and the sample retained in the container. Approximately 25 NG each of deuterio-chloroform, deuterio-methylene chloride, deuterio-acetone, deuterio-toluene and deuterio-benzene were added through the septum into the bulb. The recovery of these isotopically-labeled surrogate compounds demonstrates that the bulbs have remained leak-free up until the actual analysis. A recovery of 90% for the deuterated-benzene, deuterio-methylene chloride, deuterated toluene and the deuterated chloroform is desirable; a recovery of less than 75% requires reinjection, resampling or may *qualify* the sample results. The deuterated acetone is added as a measure of water vapor in the sampling and analysis systems; a recovery of greater than 70% is acceptable, although levels of the water-soluble compounds (ketones) may be affected. In the event that water-soluble related compounds are detected, the deuterated acetone may be used as an internal standard for quantitation. All recoveries during this project were within acceptable range. These bulbs were then delivered to the mobile laboratory for analysis by GCMS.

The analyses of the soil vapor samples proceeded as follows. A 1 ml aliquot of soil vapor was withdrawn from each bulb and injected into a Hewlett-Packard model 5890 or 6890 gas chromatograph interfaced to a Hewlett-Packard model 5972 or 5973 mass spectrometer. Chromatography was performed in such a way that the combination of retention times and mass fragmentation allowed for the complete separation of all the target compounds. The mass spec was operated in *full scan* mode between 35 and 350 amu. This allows for the identification of any volatile organic species that may be present in the soil vapor.

The following laboratory QA/QC was performed. Initial five-point calibrations were run on February 26 and March 11, 2002. A laboratory control standard (LCS) from *Absolute Standards* 8240 mix was run at the end of the same day. The daily standard, run on the sampling days, was made from *Ultra* lot R0872A. The initial calibration was also run on this standard stock. The surrogate calibration curve was run on Aldrich certified material. All results were within the LAWQCB and HGS requirements. Methane and carbon dioxide levels were calculated against Matheson certified gas standards; selected ion monitoring (SIM) was used for the quantitation using m/z 15 and 16 for methane and 44 for carbon dioxide.

Two notable additions to the LAWQCB requirements were deemed necessary:

- i. Five isotopically-labeled surrogates, D2-Methylene Chloride, D6-Benzene, D6-Acetone, D8-Toluene and D-Chloroform, were added to the collection vessel, a 125-ml glass bulb fitted with Teflon stopcocks and a viton rubber septum, to measure recovery percentages. The benzene, toluene, methylene chloride and chloroform surrogates are used to verify the recovery of the BTEX and chlorinated hydrocarbons respectively; a recovery of at least 90% is desired; less than 75% would necessitate reanalysis or resampling, or would *qualify* those data... The deuterated acetone provides a measure of the possible presence of water vapor in the sample and general condition of the chromatographic system in terms of hydration; a recovery of 70% of the acetone surrogate indicates acceptability of the complete sampling and analysis procedure; below this level, water vapor presence in the sampling line should be investigated or chromatographic dehydration procedures should be considered. If ketones, alcohols, or other water soluble compounds are being targeted, the acetone surrogate may serve as an internal standard for their quantitation.
- ii. Pentane, isobutane, isopropanol or other vapor was used to surround the sampling train at the surface to identify possible ambient intrusion into the sampling train or down the outside surface of the sampling tubing connected to the subsurface. In the event a leak-check compound is detected in the sample, a different leak-detecting compound will be used for a repeat sample to eliminate the possibility that the first compound is actually present in the soil vapor itself.

RESULTS AND DISCUSSION

The following compounds were found in some of the samples:

| | |
|----------------------------|-----------------------------|
| Tetrachloroethylene (PCE): | 0 - 7.6 µg/L |
| Trichloroethylene (TCE): | 0.5 µg/L (one sample only) |
| Vinyl Chloride (VC): | 0 - 5.8 µg/L |
| Hydrocarbons (HC): | 0 - 43 µg/L |
| Benzene: | 1.2 µg/L (one sample only). |

Elevated levels of methane were discovered in some of the samples.

Slightly elevated levels of carbon dioxide were found in most of the samples, indicating possible biogenic breakdown of hydrocarbons or other organic compounds.

Target compounds include all those listed in the initial calibration spreadsheet.

Because of differences in rounding philosophies between the Water Board forms (Quattro-Pro) and the spreadsheet (Excel), there may occasionally be a difference in the decimal point of a value. This is not considered significant and should not be a cause of concern.

All QA/QC requirements of HydroGeoSpectrum and LARWQCB have been met.

HydroGeoSpectrum does not accept any responsibility for other interpretation or utilization of these results.

| LOCATION- depth(5ft) | Date Sampled | VC µg/L | HC µg/L | TCE µg/L | PCE µg/L | Benzene µg/L | Methane % | CO2 % |
|-------------------------|--------------|------------|------------|-------------|-------------|-----------------|--------------|----------|
| SV1 | 13-Mar-02 | N | N | N | N | N | 0.2 | 7.6 |
| SV2 | 13-Mar-02 | N | N | N | N | N | 3.4 | 6.9 |
| SV3-2 | 13-Mar-02 | 1 | 10 | N | N | N | 6.4 | 6 |
| SV4-3 | 13-Mar-02 | 5.8 | 43 | N | N | 1.2 | 6.7 | 6.4 |
| SV5 | 13-Mar-02 | N | N | N | N | N | N | 3.7 |
| SV6-3 | 13-Mar-02 | N | N | N | 7.6 | N | N | 0.2 |
| SV7 | 13-Mar-02 | N | N | N | N | N | N | 2.4 |
| SV8 | 13-Mar-02 | 1.1 | 15 | N | N | N | 10.7 | 5 |
| SV9 | 13-Mar-02 | N | 2 | N | N | N | 5.3 | 4.3 |
| SV10 | 13-Mar-02 | N | N | N | N | N | 2.6 | 6.4 |
| SV11 | 13-Mar-02 | N | N | 0.5 | 1.1 | N | N | 4.7 |
| SV12 | 13-Mar-02 | N | N | N | 0.8 | N | N | 0.4 |
| SV13 | 13-Mar-02 | N | N | N | 1 | N | N | 3.4 |
| SV14 | 13-Mar-02 | N | N | N | N | N | N | 4.8 |
| SV15 | 13-Mar-02 | N | N | N | N | N | N | 2.3 |
| SV16 | 13-Mar-02 | N | N | N | N | N | N | 2.1 |
| SV17 | 13-Mar-02 | N | N | N | 0.4 | N | N | 3.2 |
| SV18 | 13-Mar-02 | N | N | N | 0.6 | N | N | 2.5 |
| SV19 | 13-Mar-02 | N | N | N | 0.5 | N | N | 3.8 |

TCE = Trichloroethylene
PCE = Tetrachloroethylene
VC = Vinyl Chloride
HC = Hydrocarbons

CO2 = Carbon Dioxide

N = < 0.5 µg/L

DATA

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE LAB NAME: HydroGeoSpectrum (HGS) DATE: 13 MAR 2002
 ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201
 NORMAL INJECTION VOLUME 1 ml

| | | | | |
|---------------------|---------------|---------------|---------------|---------------|
| Sample ID: | AMBIENT BLANK | SV14 | SV16 | SV17 |
| | VOD6625 | VOD6626-14931 | VOD6627-14932 | VOD6628-14933 |
| Sampling Depth (ft) | NA | 5 | 5 low flow | 5 |
| Purge Volume (ml) | | 1650 | 1000 | 1650 |
| Vacuum | NO | NO | NO | NO |
| Sampling Time | 0931 | 0646 | 0656 A | 0701 |
| Injection Time | 0931 | 0947 | 1004 | 1021 |
| Injection Volume | 1ml | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|---------------|---------------|---------------|---------------|---------------|---------------|-------|--------|------|
| Tetrachloroethene | MS | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | 9.97 | 1187 | 0.4 |
| Deutero-chloroform | MS | 5.28 | 124579 | 85% | 4.17 | 135991 | 93% | 5.17 | 149412 | 102% |
| D6-BENZENE | MS | 7.71 | 244334 | 98% | 7.37 | 261659 | 105% | 7.69 | 277948 | 111% |
| D6-ACETONE | MS | 3.26 | 169216 | 110% | 1.42 | 166404 | 108% | 3.05 | 174309 | 113% |
| D2-Dichloromethane | MS | 3.07 | 80406 | 97% | 1.29 | 80198 | 97% | 2.84 | 85963 | 104% |
| D8-TOLUENE | MS | 10.68 | 159133 | 103% | 10.58 | 167189 | 108% | 10.68 | 180640 | 117% |

Total Number of Peaks by GCMS: 0 + Surrogates 0 + Surrogates 1 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE LAB NAME: HydroGeoSpectrum (HGS) DATE: 13 MAR 2002
 ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201
 NORMAL INJECTION VOLUME 1 ml

| | | | | |
|---------------------|---------------|---------------|---------------|---------------|
| Sample ID: | SV4 | SV5 | SV2 | SV1 |
| | VOD6629-14934 | VOD6630-14935 | VOD6631-14936 | VOD6632-14937 |
| Sampling Depth (ft) | 3 | 5 | 5 | 5 |
| Purge Volume (ml) | 1500 | 1650 | 1650 | 1650 |
| Vacuum | NO | NO | NO | NO |
| Sampling Time | 0726 | 0728 | 0731 A | 0733 |
| Injection Time | 1039 | 1101 | 1115 | 1130 |
| Injection Volume | 1ml | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|-------|--------|------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Vinyl Chloride | MS | 1.80 | 12033 | 5.8 | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED | NONE DETECTED |
| Benzene | MS | 7.75 | 9888 | 1.1 | | | | | | | | | |
| Deutero-chloroform | MS | 5.25 | 137794 | 94% | 5.18 | 132812 | 91% | 5.19 | 140452 | 96% | 5.22 | 131514 | 90% |
| D6-BENZENE | MS | 7.69 | 254442 | 102% | 7.62 | 269753 | 108% | 7.63 | 277140 | 111% | 7.64 | 257632 | 103% |
| D6-ACETONE | MS | 3.25 | 168277 | 110% | 3.17 | 170292 | 111% | 3.18 | 180955 | 118% | 3.24 | 165089 | 107% |
| D2-Dichloromethane | MS | 3.05 | 86076 | 104% | 2.97 | 88386 | 107% | 2.99 | 90845 | 110% | 3.04 | 86364 | 104% |
| D8-TOLUENE | MS | 10.65 | 185934 | 120% | 10.58 | 166291 | 108% | 10.58 | 175805 | 114% | 10.58 | 162799 | 105% |

Total Number of Peaks by GCMS: 2 + Surrogates 0 + Surrogates 0 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE LAB NAME: HydroGeoSpectrum (HGS) DATE: 13 MAR 2002
 ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201
 NORMAL INJECTION VOLUME 1 ml

| | | | |
|---------------------|---------------|---------------|---------------|
| Sample ID: | SV9 | SV7 | SV10 |
| | VOD6633-14938 | VOD6634-14939 | VOD6635-14940 |
| Sampling Depth (ft) | 2 | 5 | 3 |
| Purge Volume (ml) | 1500 | 1650 | 1500 |
| Vacuum | NO | NO | NO |
| Sampling Time | 0738 | 0736 | 0741 |
| Injection Time | 1246 | 1259 | 1316 |
| Injection Volume | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|-------|---------------|------|-------|---------------|------|-------|--------|------|
| | | | NONE DETECTED | | | NONE DETECTED | | | | |
| Deutero-chloroform | MS | 5.22 | 137707 | 94% | 5.09 | 126171 | 86% | 5.22 | 127684 | 87% |
| D6-BENZENE | MS | 7.64 | 270747 | 108% | 7.61 | 243653 | 97% | 7.64 | 253533 | 101% |
| D6-ACETONE | MS | 3.25 | 172916 | 113% | 2.98 | 161751 | 105% | 3.24 | 181539 | 118% |
| D2-Dichloromethane | MS | 3.06 | 92433 | 112% | 2.78 | 79592 | 96% | 3.05 | 86729 | 105% |
| D8-TOLUENE | MS | 10.60 | 163947 | 106% | 10.59 | 141527 | 91% | 10.59 | 146259 | 95% |

Total Number of Peaks by GCMS: 0 + Surrogates 0 + Surrogates 0 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE LAB NAME: HydroGeoSpectrum (HGS) DATE: 13 MAR 2002
 ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201

NORMAL INJECTION VOLUME 1 ml

| | | | | |
|---------------------|---------------|---------------|---------------|---------------|
| Sample ID: | SV11 | SV15 | SV18 | SV18 |
| | WOA4080-02333 | WOA4081-02334 | WOA4083-02336 | WOA4083-02336 |
| Sampling Depth (ft) | 5 | 5 | 5 | 5 |
| Purge Volume (ml) | 1650 | 1650 | 1650 | 1650 |
| Vacuum | NO | NO | NO | NO |
| Sampling Time | 0647 | 0651 | 0706 | 0706 |
| Injection Time | 1005 | 1022 | 1055 | 1055 |
| Injection Volume | 1ml | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|-------|--------|------|---------------|--------|------|-------|--------|------|
| Trichloroethene | MS | 8.92 | 963 | 0.5 | NONE DETECTED | | | | | |
| Tetrachloroethene | MS | 10.08 | 1525 | 1.0 | 10.07 | 778 | 0.5 | 10.07 | 778 | 0.5 |
| Deutero-chloroform | MS | 8.09 | 71967 | 105% | 8.06 | 53280 | 78% | 8.05 | 63987 | 93% |
| D6-BENZENE | MS | 8.55 | 182682 | 103% | 8.55 | 212649 | 120% | 8.55 | 181277 | 102% |
| D6-ACETONE | MS | 6.90 | 144213 | 115% | 6.91 | 147134 | 118% | 6.90 | 145279 | 116% |
| D2-Dichloromethane | MS | 6.22 | 69062 | 98% | 6.14 | 69378 | 98% | 6.14 | 62245 | 88% |
| D8-TOLUENE | MS | 9.67 | 126902 | 102% | 9.67 | 135991 | 109% | 9.67 | 130515 | 104% |

Total Number of Peaks by GCMS: 2 + Surrogates 0 + Surrogates 1 + Surrogates 1 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE
 ANALYST: Raphe Pavlick
 NORMAL INJECTION VOLUME 1 ml

LAB NAME: HydroGeoSpectrum (HGS)
 COLLECTOR: Raphe Pavlick

DATE: 13 MAR 2002
 INSTRUMENT ID 2415A8201

| | | | | |
|---------------------|---------------|----------------|----------------|---------------|
| Sample ID: | SV12 | SV12 | SV12 | AMBIENT BLANK |
| | WOA4082-02335 | WOA4082A-02335 | WOA4082B-02335 | WOA4079 |
| Sampling Depth (ft) | 5 | -5 P3 | -5 P22 | |
| Purge Volume (ml) | 450 | 1650 | 3300 | NA |
| Vacuum | NO | NO | NO | NO |
| Sampling Time | 0650 | 0642 | 0701 | 0947 |
| Injection Time | 1039 | 1445 | 1504 | 0947 |
| Injection Volume | 1ml | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|-------|--------|------|-------|--------|------|-------|--------|------|
| Tetrachloroethene | MS | 10.06 | 1198 | 0.8 | 10.06 | 819 | 0.5 | 10.06 | 1080 | 0.7 |
| Deutero-chloroform | MS | 8.01 | 72809 | 106% | 8.10 | 58807 | 86% | 8.10 | 56405 | 82% |
| D6-BENZENE | MS | 8.54 | 160924 | 91% | 8.54 | 140783 | 79% | 8.53 | 137728 | 78% |
| D6-ACETONE | MS | 6.87 | 124357 | 99% | 6.91 | 118674 | 95% | 6.89 | 115054 | 92% |
| D2-Dichloromethane | MS | 6.03 | 56824 | 80% | 6.31 | 58748 | 83% | 6.32 | 58812 | 83% |
| D8-TOLUENE | MS | 9.66 | 109258 | 87% | 9.66 | 108790 | 87% | 9.65 | 99324 | 79% |

Total Number of Peaks by GCMS: 1 + Surrogates 1 + Surrogates 0 + Surrogates

PURGE TEST

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: Venice/CE LAB NAME: HydroGeoSpectrum (HGS) DATE: 13 MAR 2002
 ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201

NORMAL INJECTION VOLUME 1 ml

| | | | | |
|---------------------|---------------|---------------|---------------|---------------|
| Sample ID: | SV13 | SV3 | SV8 | SV6 |
| | WOA4085-02338 | WOA4086-02339 | WOA4087-02340 | WOA4088-02341 |
| Sampling Depth (ft) | 5 | 2 | 3 | 3 |
| Purge Volume (ml) | 1650 | 1500 | 1500 | 1500 |
| Vacuum | NO | NO | NO | NO |
| Sampling Time | 0716 | 0725 | 0732 | 0734 |
| Injection Time | 1130 | 1249 | 1309 | 1327 |
| Injection Volume | 1ml | 1ml | 1ml | 1ml |
| Dilution Factor | 1 | 1 | 1 | 1 |

| COMPOUND | DETECTOR | RT | AREA | CONC | RT | AREA | CONC | RT | AREA | CONC |
|--------------------|----------|-------|--------|------|------|--------|------|------|--------|------|
| Vinyl Chloride | MS | | | | 4.22 | 2457 | 1.0 | 4.18 | 2675 | 1.0 |
| Tetrachloroethene | MS | 10.07 | 1410 | 1.0 | 8.14 | 64577 | 94% | 8.11 | 61899 | 90% |
| Deutero-chloroform | MS | 8.07 | 65600 | 96% | 8.56 | 176498 | 100% | 8.55 | 152355 | 86% |
| D6-BENZENE | MS | 8.54 | 159938 | 90% | 6.97 | 132118 | 105% | 6.92 | 128983 | 103% |
| D6-ACETONE | MS | 6.88 | 131981 | 105% | 6.46 | 66327 | 94% | 6.35 | 63239 | 90% |
| D2-Dichloromethane | MS | 6.19 | 58047 | 82% | 9.67 | 116120 | 98% | 9.67 | 105395 | 84% |
| D8-TOLUENE | MS | 9.66 | 122169 | 98% | | | | | | |

Total Number of Peaks by GCMS: 1 + Surrogates 1 + Surrogates 1 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

QA/QC

INITIAL CALIBRATION BY FULL SCAN MASS SPEC

LAB NAME: HydroGeoSpectrum

DATE: 26Feb2002

ANALYST: Raphe Pavlick STD LOT#: ULTRA R0872A INSTRUMENT ID: 2415A8201

Calibration Files

1500 =VOD6349.D 500 =VOD6350.D 100 =VOD6351.D
 20 =VOD6352.D 5 =VOD6353.D

| | Compound | 1500 | 500 | 100 | 20 | 5 | Avg | %RSD | AccRge |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|------|----------|
| 1) | Vinyl Chloride | 1.396 | 1.598 | 2.668 | 2.347 | 2.372 | 2.076 | E3 | 26.40 30 |
| 2) | Bromomethane | 9.084 | 7.178 | 9.035 | 9.929 | 7.720 | 8.589 | E2 | 13.00 30 |
| 3) | Chloroethane | 1.762 | 1.487 | 2.092 | 2.230 | 1.906 | 1.895 | E3 | 15.27 30 |
| 4) | 1,1-Dichloroethene | 2.389 | 2.066 | 2.701 | 2.534 | 2.568 | 2.451 | E3 | 9.89 20 |
| 5) | Acetone | 7.000 | 5.272 | 7.211 | 6.749 | 8.234 | 6.893 | E2 | 15.49 20 |
| 6) | Methylene Chloride | 2.338 | 2.312 | 3.100 | 2.811 | 2.738 | 2.660 | E3 | 12.57 20 |
| 7) | 1,2-Dichloroethene (t | 4.748 | 4.758 | 6.486 | 7.138 | 5.760 | 5.778 | E3 | 18.26 20 |
| 8) | 1,1-Dichloroethane | 4.712 | 4.973 | 6.503 | 6.598 | 6.021 | 5.761 | E3 | 15.13 20 |
| 9) | Chloroform | 4.335 | 4.722 | 6.078 | 6.099 | 6.275 | 5.502 | E3 | 16.40 20 |
| 10) | 1,2-Dichloroethane | 2.877 | 3.180 | 3.908 | 4.226 | 3.880 | 3.614 | E3 | 15.54 20 |
| 11) | 2-Butanone | 1.886 | 2.244 | 2.096 | 2.693 | | 2.230 | E3 | 15.34 20 |
| 12) | 1,1,1-Trichloroethane | 4.220 | 4.290 | 5.139 | 5.595 | 5.146 | 4.878 | E3 | 12.27 20 |
| 13) | Carbon Tetrachloride | 3.926 | 3.810 | 5.059 | 4.543 | 3.841 | 4.236 | E3 | 12.96 20 |
| 14) | Benzene | 8.237 | 6.533 | 8.882 | 9.069 | 8.693 | 8.283 | E3 | 12.39 20 |
| 15) | Trichloroethene | 2.836 | 2.891 | 4.066 | 3.599 | 3.242 | 3.327 | E3 | 15.46 20 |
| 16) | 1,2-Dichloropropane | 3.353 | 2.921 | 3.874 | 3.788 | 3.807 | 3.549 | E3 | 11.46 20 |
| 17) | Bromodichloromethane | 4.006 | 4.456 | 5.720 | 6.100 | 5.248 | 5.106 | E3 | 17.01 20 |
| 18) | cis-1,3-Dichloroprope | 3.554 | 4.123 | 4.976 | 5.344 | 4.652 | 4.530 | E3 | 15.59 20 |
| 19) | trans-1,3-Dichloropro | 2.487 | 3.008 | 3.471 | 3.917 | 3.264 | 3.229 | E3 | 16.48 20 |
| 20) | 1,1,2-Trichloroethane | 1.888 | 1.888 | 2.397 | 2.433 | 2.487 | 2.219 | E3 | 13.67 20 |
| 21) | Dibromochloromethane | 3.710 | 3.636 | 4.678 | 4.574 | 3.563 | 4.032 | E3 | 13.53 20 |
| 22) | Bromoform | 3.465 | 3.144 | 3.770 | 3.507 | 2.386 | 3.254 | E3 | 16.41 20 |
| 23) | 4-Methyl-2-Pentanone | 6.932 | 6.114 | 8.542 | 9.084 | 8.660 | 7.867 | E3 | 16.22 20 |
| 24) | Toluene | 5.445 | 4.169 | 5.984 | 6.215 | 6.149 | 5.592 | E3 | 15.23 20 |
| 25) | Tetrachloroethene | 2.211 | 2.276 | 3.007 | 3.067 | 2.742 | 2.661 | E3 | 15.05 20 |
| 26) | 2-Hexanone | 6.838 | 6.114 | 8.469 | 8.772 | 8.660 | 7.771 | E3 | 15.62 20 |
| 27) | Chlorobenzene | 5.390 | 5.023 | 7.114 | 7.386 | 6.884 | 6.359 | E3 | 16.91 20 |
| 28) | Ethylbenzene | 2.758 | 2.667 | 3.703 | 3.903 | 3.510 | 3.308 | E3 | 16.99 20 |
| 29) | Xylene (total) | 0.983 | 0.978 | 1.268 | 1.327 | 1.318 | 1.175 | E4 | 15.22 20 |
| 30) | Styrene | 5.881 | 5.576 | 7.208 | 7.583 | 6.854 | 6.620 | E3 | 13.00 20 |
| 31) | 1,1,1,2-Tetrachloroet | 2.677 | 2.676 | 3.758 | 3.855 | 2.886 | 3.170 | E3 | 18.54 20 |
| 32) | 1,1,2,2-Tetrachloroet | 4.641 | 4.677 | 5.604 | 6.774 | 5.658 | 5.471 | E3 | 16.01 20 |
| 33) | FREON-11 | 5.881 | 4.738 | 6.305 | 6.193 | 5.347 | 5.693 | E3 | 11.43 30 |
| 34) S | Deutero-chloroform | | 1.567 | 1.345 | 1.472 | | 1.461 | E3 | 7.62 25 |
| 35) | FREON-12 | 1.277 | 1.552 | 1.936 | 2.041 | 1.713 | 1.704 | E3 | 17.90 30 |
| 36) | FREON-113 | 4.750 | 4.079 | 5.633 | 5.089 | 4.783 | 4.867 | E3 | 11.61 30 |
| 39) s | D6-BENZENE | | 2.652 | 2.286 | 2.562 | | 2.500 | E3 | 7.62 25 |
| 41) S | D6-ACETONE | | 1.617 | 1.508 | 1.484 | | 1.537 | E3 | 4.60 25 |
| 42) S | D2-Dichloromethane | | 8.556 | 8.079 | 8.215 | | 8.284 | E2 | 2.97 25 |
| 43) | Freon-22 | 2.709 | 2.565 | 2.716 | 2.374 | 2.456 | 2.564 | E3 | 5.92 30 |
| 44) | Freon-141B | 5.190 | 4.751 | 6.349 | 5.780 | 5.319 | 5.478 | E3 | 11.14 30 |
| 53) S | D8-TOLUENE | | 1.673 | 1.321 | 1.647 | | 1.547 | E3 | 12.66 25 |

Evaluate Initial LCS Report

Data File : C:\HPCHEM\1\DATA\VOD6355.D
 Acq On : 26 Feb 2002 5:05 pm
 Sample : LCS 50NG
 Misc : INITIAL 26FEB02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\022602.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Thu Feb 28 10:05:00 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | AccRge |
|----|----------------------------|---------|---------|----------|--------|
| 1 | Vinyl Chloride | 2.076 | 2.264 | E3 -9.1 | 20 |
| 2 | Bromomethane | 858.912 | 740.260 | 13.8 | 20 |
| 3 | Chloroethane | 1.895 | 2.116 | E3 -11.7 | 20 |
| 4 | 1,1-Dichloroethene | 2.451 | 2.447 | E3 0.2 | 15 |
| 6 | Methylene Chloride | 2.660 | 2.914 | E3 -9.5 | 15 |
| 7 | 1,2-Dichloroethene (total) | 5.778 | 6.235 | E3 -7.9 | 15 |
| 8 | 1,1-Dichloroethane | 5.761 | 6.285 | E3 -9.1 | 15 |
| 9 | Chloroform | 5.502 | 6.070 | E3 -10.3 | 15 |
| 10 | 1,2-Dichloroethane | 3.614 | 3.897 | E3 -7.8 | 15 |
| 12 | 1,1,1-Trichloroethane | 4.878 | 5.456 | E3 -11.8 | 15 |
| 13 | Carbon Tetrachloride | 4.236 | 4.089 | E3 3.5 | 15 |
| 14 | Benzene | 8.283 | 9.263 | E3 -11.8 | 15 |
| 15 | Trichloroethene | 3.327 | 3.760 | E3 -13.0 | 15 |
| 16 | 1,2-Dichloropropane | 3.549 | 3.930 | E3 -10.7 | 15 |
| 17 | Bromodichloromethane | 5.106 | 5.600 | E3 -9.7 | 15 |
| 18 | cis-1,3-Dichloropropene | 4.530 | 4.807 | E3 -6.1 | 15 |
| 19 | trans-1,3-Dichloropropene | 3.229 | 3.327 | E3 -3.0 | 15 |
| 20 | 1,1,2-Trichloroethane | 2.219 | 2.427 | E3 -9.4 | 15 |
| 21 | Dibromochloromethane | 4.032 | 4.298 | E3 -6.6 | 15 |
| 22 | Bromoform | 3.254 | 3.226 | E3 0.9 | 15 |
| 24 | Toluene | 5.592 | 6.064 | E3 -8.4 | 15 |
| 25 | Tetrachloroethene | 2.661 | 2.614 | E3 1.8 | 15 |
| 27 | Chlorobenzene | 6.359 | 7.095 | E3 -11.6 | 15 |
| 28 | Ethylbenzene | 3.308 | 3.527 | E3 -6.6 | 15 |
| 29 | Xylene (total) | 11.747 | 12.550 | E3 -6.8 | 15 |
| 30 | Styrene | 6.620 | 6.993 | E3 -5.6 | 15 |
| 31 | 1,1,1,2-Tetrachloroethane | 3.170 | 2.920 | E3 7.9 | 15 |
| 32 | 1,1,2,2-Tetrachloroethane | 5.471 | 5.961 | E3 -9.0 | 15 |
| 33 | FREON-11 | 5.693 | 5.666 | E3 0.5 | 20 |
| 35 | FREON-12 | 1.704 | 1.661 | E3 2.5 | 20 |
| 36 | FREON-113 | 4.867 | 5.406 | E3 -11.1 | 20 |
| 43 | Freon-22 | 2.564 | 2.711 | E3 -5.7 | 20 |
| 44 | Freon-141B | 5.478 | 5.844 | E3 -6.7 | 20 |

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VOD6624.D
 Acq On : 13 Mar 2002 9:08 am
 Sample : STANDARD 50NG
 Misc : Venice/CAL 13MAR02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\022602.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Wed Mar 13 09:54:32 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | | %Dev | AccRge |
|----|----------------------------|---------|---------|----|-------|--------|
| 1 | Vinyl Chloride | 2.076 | 2.110 | E3 | -1.6 | 20 |
| 2 | Bromomethane | 858.912 | 777.100 | | 9.5 | 20 |
| 3 | Chloroethane | 1.895 | 1.681 | E3 | 11.3 | 20 |
| 4 | 1,1-Dichloroethene | 2.451 | 2.321 | E3 | 5.3 | 15 |
| 5 | Acetone | 689.319 | 612.780 | | 11.1 | 15 |
| 6 | Methylene Chloride | 2.660 | 2.709 | E3 | -1.8 | 15 |
| 7 | 1,2-Dichloroethene (total) | 5.778 | 5.600 | E3 | 3.1 | 15 |
| 8 | 1,1-Dichloroethane | 5.761 | 5.878 | E3 | -2.0 | 15 |
| 9 | Chloroform | 5.502 | 5.648 | E3 | -2.7 | 15 |
| 10 | 1,2-Dichloroethane | 3.614 | 3.824 | E3 | -5.8 | 15 |
| 12 | 1,1,1-Trichloroethane | 4.878 | 5.095 | E3 | -4.4 | 15 |
| 13 | Carbon Tetrachloride | 4.236 | 4.140 | E3 | 2.3 | 15 |
| 14 | Benzene | 8.283 | 8.536 | E3 | -3.1 | 15 |
| 15 | Trichloroethene | 3.327 | 3.353 | E3 | -0.8 | 15 |
| 16 | 1,2-Dichloropropane | 3.549 | 3.866 | E3 | -8.9 | 15 |
| 17 | Bromodichloromethane | 5.106 | 5.395 | E3 | -5.7 | 15 |
| 18 | cis-1,3-Dichloropropene | 4.530 | 5.025 | E3 | -10.9 | 15 |
| 19 | trans-1,3-Dichloropropene | 3.229 | 3.109 | E3 | 3.7 | 15 |
| 20 | 1,1,2-Trichloroethane | 2.219 | 2.367 | E3 | -6.7 | 15 |
| 21 | Dibromochloromethane | 4.032 | 4.088 | E3 | -1.4 | 15 |
| 22 | Bromoform | 3.254 | 3.020 | E3 | 7.2 | 15 |
| 23 | 4-Methyl-2-Pentanone | 7.867 | 8.268 | E3 | -5.1 | 15 |
| 24 | Toluene | 5.592 | 5.635 | E3 | -0.8 | 15 |
| 25 | Tetrachloroethene | 2.661 | 2.492 | E3 | 6.4 | 15 |
| 26 | 2-Hexanone | 7.771 | 8.268 | E3 | -6.4 | 15 |
| 27 | Chlorobenzene | 6.359 | 6.678 | E3 | -5.0 | 15 |
| 28 | Ethylbenzene | 3.308 | 3.330 | E3 | -0.7 | 15 |
| 29 | Xylene (total) | 11.747 | 12.337 | E3 | -5.0 | 15 |
| 30 | Styrene | 6.620 | 6.224 | E3 | 6.0 | 15 |
| 31 | 1,1,1,2-Tetrachloroethane | 3.170 | 3.036 | E3 | 4.2 | 15 |
| 32 | 1,1,2,2-Tetrachloroethane | 5.471 | 5.926 | E3 | -8.3 | 15 |
| 33 | FREON-11 | 5.693 | 5.199 | E3 | 8.7 | 20 |
| 35 | FREON-12 | 1.704 | 1.409 | E3 | 17.3 | 20 |
| 36 | FREON-113 | 4.867 | 4.703 | E3 | 3.4 | 20 |
| 43 | Freon-22 | 2.564 | 2.153 | E3 | 16.0 | 20 |
| 44 | Freon-141B | 5.478 | 5.285 | E3 | 3.5 | 20 |

Evaluate DAILY LCS Report

Data File : C:\HPCHEM\1\DATA\VOD6636.D
 Acq On : 13 Mar 2002 1:30 pm
 Sample : LCS 50NG
 Misc : Venice/CAL 13MAR02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\022602.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Wed Mar 13 13:52:14 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | AccRge |
|----|----------------------------|---------|---------|----------|--------|
| 1 | Vinyl Chloride | 2.076 | 2.330 | E3 -12.2 | 25 |
| 2 | Bromomethane | 858.912 | 772.960 | 10.0 | 25 |
| 3 | Chloroethane | 1.895 | 2.124 | E3 -12.1 | 25 |
| 4 | 1,1-Dichloroethene | 2.451 | 2.226 | E3 9.2 | 20 |
| 6 | Methylene Chloride | 2.660 | 2.959 | E3 -11.2 | 20 |
| 7 | 1,2-Dichloroethene (total) | 5.778 | 5.915 | E3 -2.4 | 20 |
| 8 | 1,1-Dichloroethane | 5.761 | 6.450 | E3 -12.0 | 20 |
| 9 | Chloroform | 5.502 | 6.225 | E3 -13.1 | 20 |
| 10 | 1,2-Dichloroethane | 3.614 | 4.043 | E3 -11.9 | 20 |
| 12 | 1,1,1-Trichloroethane | 4.878 | 5.493 | E3 -12.6 | 20 |
| 13 | Carbon Tetrachloride | 4.236 | 4.356 | E3 -2.8 | 20 |
| 14 | Benzene | 8.283 | 9.469 | E3 -14.3 | 20 |
| 15 | Trichloroethene | 3.327 | 3.531 | E3 -6.1 | 20 |
| 16 | 1,2-Dichloropropane | 3.549 | 3.857 | E3 -8.7 | 20 |
| 17 | Bromodichloromethane | 5.106 | 5.992 | E3 -17.4 | 20 |
| 18 | cis-1,3-Dichloropropene | 4.530 | 5.036 | E3 -11.2 | 20 |
| 19 | trans-1,3-Dichloropropene | 3.229 | 3.380 | E3 -4.7 | 20 |
| 20 | 1,1,2-Trichloroethane | 2.219 | 2.384 | E3 -7.4 | 20 |
| 21 | Dibromochloromethane | 4.032 | 4.574 | E3 -13.4 | 20 |
| 22 | Bromoform | 3.254 | 3.246 | E3 0.2 | 20 |
| 24 | Toluene | 5.592 | 6.145 | E3 -9.9 | 20 |
| 25 | Tetrachloroethene | 2.661 | 2.628 | E3 1.2 | 20 |
| 27 | Chlorobenzene | 6.359 | 7.064 | E3 -11.1 | 20 |
| 28 | Ethylbenzene | 3.308 | 3.626 | E3 -9.6 | 20 |
| 29 | Xylene (total) | 11.747 | 13.341 | E3 -13.6 | 20 |
| 30 | Styrene | 6.620 | 7.099 | E3 -7.2 | 20 |
| 31 | 1,1,1,2-Tetrachloroethane | 3.170 | 3.014 | E3 4.9 | 20 |
| 32 | 1,1,2,2-Tetrachloroethane | 5.471 | 6.094 | E3 -11.4 | 20 |
| 33 | FREON-11 | 5.693 | 5.607 | E3 1.5 | 25 |
| 35 | FREON-12 | 1.704 | 1.952 | E3 -14.6 | 25 |
| 36 | FREON-113 | 4.867 | 5.042 | E3 -3.6 | 25 |
| 43 | Freon-22 | 2.564 | 2.205 | E3 14.0 | 25 |
| 44 | Freon-141B | 5.478 | 5.677 | E3 -3.6 | 25 |

INITIAL CALIBRATION BY FULL SCAN MASS SPEC

LAB NAME: HydroGeoSpectrum

DATE: 11MAR2002

ANALYST: Raphe Pavlick STD LOT#: ULTRA R0872A INSTRUMENT ID: 2415A8201-2

Calibration Files

1000 =WOA4056.D 500 =WOA4057.D 100 =WOA4058.D
 20 =WOA4059.D 5 =WOA4060.D

| Compound | 1000 | 500 | 100 | 20 | 5 | Avg | %RSD | AccRge |
|---------------------------|-------|-------|-------|-------|-------|-------|------|----------|
| 1) Vinyl Chloride | 2.673 | 2.326 | 2.527 | 2.503 | 2.224 | 2.450 | E3 | 7.20 30 |
| 2) Bromomethane | 8.379 | 6.862 | 5.844 | 5.042 | 6.446 | 6.515 | E2 | 19.14 30 |
| 3) Chloroethane | 9.114 | 6.949 | 5.032 | 4.539 | 6.618 | 6.450 | E2 | 27.99 30 |
| 4) 1,1-Dichloroethene | 1.410 | 1.566 | 1.932 | 2.061 | 1.435 | 1.681 | E3 | 17.72 20 |
| 6) Methylene Chloride | 3.160 | 2.636 | 2.659 | 2.541 | 2.538 | 2.707 | E3 | 9.57 20 |
| 7) 1,2-Dichloroethene (c | 2.710 | 2.977 | 3.746 | 4.223 | 3.060 | 3.343 | E3 | 18.63 20 |
| 8) 1,1-Dichloroethane | 2.943 | 3.328 | 4.082 | 3.637 | 3.533 | 3.505 | E3 | 11.91 20 |
| 9) Chloroform | 2.964 | 2.837 | 3.357 | 4.249 | 3.069 | 3.295 | E3 | 17.20 20 |
| 10) 1,2-Dichloroethane | 2.959 | 2.734 | 3.200 | 3.663 | 2.951 | 3.102 | E3 | 11.44 20 |
| 12) 1,1,1-Trichloroethane | 2.926 | 2.734 | 2.960 | 3.147 | 2.753 | 2.904 | E3 | 5.82 20 |
| 13) Carbon Tetrachloride | 2.404 | 2.305 | 2.294 | 2.485 | 1.791 | 2.256 | E3 | 12.02 20 |
| 14) Benzene | 6.000 | 5.875 | 7.021 | 8.143 | 6.970 | 6.802 | E3 | 13.51 20 |
| 15) Trichloroethene | 1.675 | 1.558 | 1.805 | 2.184 | 2.069 | 1.858 | E3 | 14.16 20 |
| 16) 1,2-Dichloropropane | 2.943 | 3.328 | 4.352 | 4.025 | 3.533 | 3.636 | E3 | 15.36 20 |
| 17) Bromodichloromethane | 1.210 | 1.232 | 1.429 | 1.572 | 1.508 | 1.390 | E3 | 11.72 20 |
| 18) cis-1,3-Dichloroprope | 2.683 | 2.590 | 2.984 | 3.268 | 2.742 | 2.854 | E3 | 9.58 20 |
| 19) trans-1,3-Dichloropro | 2.540 | 2.573 | 2.833 | 2.732 | 2.282 | 2.592 | E3 | 8.11 20 |
| 20) 1,1,2-Trichloroethane | 1.442 | 1.476 | 1.766 | 2.071 | 2.134 | 1.778 | E3 | 18.14 20 |
| 21) Dibromochloromethane | 1.193 | 1.278 | 1.342 | 1.537 | 1.348 | 1.340 | E3 | 9.47 20 |
| 22) Bromoform | 1.148 | 1.095 | 1.094 | 0.909 | 1.479 | 1.145 | E3 | 18.12 20 |
| 24) Toluene | 3.695 | 3.658 | 4.458 | 5.266 | 5.112 | 4.438 | E3 | 17.09 20 |
| 25) Tetrachloroethene | 1.233 | 1.335 | 1.408 | 1.563 | 1.480 | 1.404 | E3 | 9.10 20 |
| 27) Chlorobenzene | 3.280 | 3.972 | 4.684 | 5.382 | 4.945 | 4.453 | E3 | 18.68 20 |
| 28) Ethylbenzene | 2.069 | 2.064 | 2.807 | 3.046 | 3.055 | 2.608 | E3 | 19.34 20 |
| 29) Xylene (total) | 0.725 | 0.783 | 1.007 | 1.053 | 1.142 | 0.942 | E4 | 19.05 20 |
| 30) Styrene | 4.113 | 4.393 | 5.875 | 6.350 | 5.992 | 5.344 | E3 | 19.02 20 |
| 31) 1,1,1,2-Tetrachloroet | 1.352 | 1.377 | 1.596 | 1.606 | 1.230 | 1.432 | E3 | 11.45 20 |
| 32) 1,1,2,2-Tetrachloroet | 1.210 | 1.232 | 1.429 | 1.572 | 1.508 | 1.390 | E3 | 11.72 20 |
| 33) FREON-11 | 0.757 | 0.854 | 1.315 | 1.155 | 1.116 | 1.040 | E3 | 22.03 30 |
| 34) S Deutero-chloroform | | 6.417 | 7.149 | 6.989 | | 6.852 | E2 | 5.62 25 |
| 35) FREON-12 | 1.399 | 1.301 | 1.469 | 1.297 | 0.896 | 1.273 | E3 | 17.47 30 |
| 36) FREON-113 | 1.281 | 1.423 | 1.703 | 2.420 | 1.517 | 1.669 | E3 | 26.78 30 |
| 39) s D6-BENZENE | | 1.595 | 1.950 | 1.772 | | 1.772 | E3 | 10.01 25 |
| 41) S D6-ACETONE | | 1.177 | 1.344 | 1.234 | | 1.252 | E3 | 6.76 25 |
| 42) S D2-Dichloromethane | | 6.408 | 8.329 | 6.461 | | 7.066 | E2 | 15.48 25 |
| 43) Freon-22 | 2.549 | 2.330 | 2.628 | 2.628 | 2.041 | 2.435 | E3 | 10.35 30 |
| 44) Freon-141B | 2.806 | 3.040 | 3.828 | 2.357 | 2.850 | 2.976 | E3 | 18.08 30 |
| 53) S D8-TOLUENE | | 1.174 | 1.348 | 1.228 | | 1.250 | E3 | 7.13 25 |

Evaluate INITIAL LCS Report

Data File : C:\HPCHEM\1\DATA\WOA4062.D
 Acq On : 11 Mar 2002 1:23 pm
 Sample : LCS 50 NG
 Misc : initial 11mar02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\N031102.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Tue Mar 12 14:06:26 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev : 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | AccRge |
|----|---------------------------|----------|----------|----------|--------|
| 1 | Vinyl Chloride | 2.450 | 2.815 | E3 -14.9 | 20 |
| 2 | Bromomethane | 651.455 | 726.760 | -11.6 | 20 |
| 4 | 1,1-Dichloroethene | 1.681 | 1.724 | E3 -2.6 | 20 |
| 6 | Methylene Chloride | 2.707 | 2.992 | E3 -10.5 | 15 |
| 7 | 1,2-Dichloroethene (cis) | 3.343 | 3.833 | E3 -14.7 | 15 |
| 8 | 1,1-Dichloroethane | 3.505 | 4.011 | E3 -14.4 | 15 |
| 9 | Chloroform | 3.295 | 3.753 | E3 -13.9 | 15 |
| 10 | 1,2-Dichloroethane | 3.102 | 3.382 | E3 -9.0 | 15 |
| 12 | 1,1,1-Trichloroethane | 2.904 | 3.235 | E3 -11.4 | 15 |
| 13 | Carbon Tetrachloride | 2.256 | 2.375 | E3 -5.3 | 15 |
| 14 | Benzene | 6.802 | 6.046 | E3 11.1 | 15 |
| 15 | Trichloroethene | 1.858 | 2.057 | E3 -10.7 | 15 |
| 16 | 1,2-Dichloropropane | 3.636 | 4.026 | E3 -10.7 | 15 |
| 17 | Bromodichloromethane | 1.390 | 1.551 | E3 -11.6 | 15 |
| 18 | cis-1,3-Dichloropropene | 2.854 | 3.095 | E3 -8.4 | 15 |
| 19 | trans-1,3-Dichloropropene | 2.592 | 2.875 | E3 -10.9 | 15 |
| 20 | 1,1,2-Trichloroethane | 1.778 | 1.924 | E3 -8.2 | 15 |
| 21 | Dibromochloromethane | 1.340 | 1.459 | E3 -8.9 | 15 |
| 22 | Bromoform | 1.145 | 0.985 | E3 14.0 | 15 |
| 24 | Toluene | 4.438 | 4.675 | E3 -5.3 | 15 |
| 25 | Tetrachloroethene | 1.404 | 1.420 | E3 -1.1 | 15 |
| 27 | Chlorobenzene | 4.453 | 4.427 | E3 0.6 | 15 |
| 28 | Ethylbenzene | 2.608 | 2.590 | E3 0.7 | 15 |
| 29 | Xylene (total) | 9.421 | 9.138 | E3 3.0 | 15 |
| 30 | Styrene | 5.344 | 5.551 | E3 -3.9 | 15 |
| 31 | 1,1,1,2-Tetrachloroethane | 1.432 | 1.583 | E3 -10.5 | 15 |
| 32 | 1,1,2,2-Tetrachloroethane | 1.390 | 1.448 | E3 -4.2 | 15 |
| 33 | FREON-11 | 1039.509 | 1179.600 | -13.5 | 20 |
| 35 | FREON-12 | 1.273 | 1.426 | E3 -12.0 | 20 |
| 36 | FREON-113 | 1.669 | 1.916 | E3 -14.8 | 20 |
| 43 | Freon-22 | 2.435 | 2.703 | E3 -11.0 | 20 |
| 44 | Freon-141B | 2.976 | 2.770 | E3 6.9 | 20 |

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\WOA4078.D
 Acq On : 13 Mar 2002 9:27 am
 Sample : STANDARD 50NG
 Misc : Venice/CAL 13MAR02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\N031102.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Wed Mar 13 09:45:23 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | AccRge |
|----|---------------------------|----------|----------|------|---------|
| 1 | Vinyl Chloride | 2.450 | 2.384 | E3 | 2.7 20 |
| 2 | Bromomethane | 651.455 | 587.960 | | 9.7 20 |
| 3 | Chloroethane | 645.041 | 576.900 | | 10.6 20 |
| 4 | 1,1-Dichloroethene | 1.681 | 1.718 | E3 | -2.2 15 |
| 6 | Methylene Chloride | 2.707 | 2.398 | E3 | 11.4 15 |
| 7 | 1,2-Dichloroethene (cis) | 3.343 | 3.203 | E3 | 4.2 15 |
| 8 | 1,1-Dichloroethane | 3.505 | 3.288 | E3 | 6.2 15 |
| 9 | Chloroform | 3.295 | 3.029 | E3 | 8.1 15 |
| 10 | 1,2-Dichloroethane | 3.102 | 2.797 | E3 | 9.8 15 |
| 12 | 1,1,1-Trichloroethane | 2.904 | 2.706 | E3 | 6.8 15 |
| 13 | Carbon Tetrachloride | 2.256 | 1.934 | E3 | 14.3 15 |
| 14 | Benzene | 6.802 | 6.262 | E3 | 7.9 15 |
| 15 | Trichloroethene | 1.858 | 1.635 | E3 | 12.0 15 |
| 16 | 1,2-Dichloropropane | 3.636 | 3.288 | E3 | 9.6 15 |
| 17 | Bromodichloromethane | 1.390 | 1.226 | E3 | 11.8 15 |
| 18 | cis-1,3-Dichloropropene | 2.854 | 2.504 | E3 | 12.3 15 |
| 19 | trans-1,3-Dichloropropene | 2.592 | 2.235 | E3 | 13.8 15 |
| 20 | 1,1,2-Trichloroethane | 1.778 | 1.756 | E3 | 1.2 15 |
| 21 | Dibromochloromethane | 1.340 | 1.238 | E3 | 7.6 15 |
| 24 | Toluene | 4.438 | 3.927 | E3 | 11.5 15 |
| 25 | Tetrachloroethene | 1.404 | 1.312 | E3 | 6.6 15 |
| 27 | Chlorobenzene | 4.453 | 4.444 | E3 | 0.2 15 |
| 28 | Ethylbenzene | 2.608 | 2.401 | E3 | 7.9 15 |
| 29 | Xylene (total) | 9.421 | 9.169 | E3 | 2.7 15 |
| 30 | Styrene | 5.344 | 4.843 | E3 | 9.4 15 |
| 32 | 1,1,2,2-Tetrachloroethane | 1.390 | 1.226 | E3 | 11.8 15 |
| 33 | FREON-11 | 1039.509 | 1065.660 | | -2.5 20 |
| 35 | FREON-12 | 1.273 | 1.314 | E3 | -3.2 20 |
| 36 | FREON-113 | 1.669 | 1.714 | E3 | -2.7 20 |
| 43 | Freon-22 | 2.435 | 2.044 | E3 | 16.1 20 |
| 44 | Freon-141B | 2.976 | 3.193 | E3 | -7.3 20 |

Evaluate DAILY LCS Report

Data File : C:\HPCHEM\1\DATA\WOA4091.D
 Acq On : 13 Mar 2002 3:25 pm
 Sample : LCS 50NG
 Misc : 13MAR02
 MS Integration Params: rteint.p

Vial: 1
 Operator: Raphe HGS
 Inst : GC/MS Ins
 Multiplr: 1.00

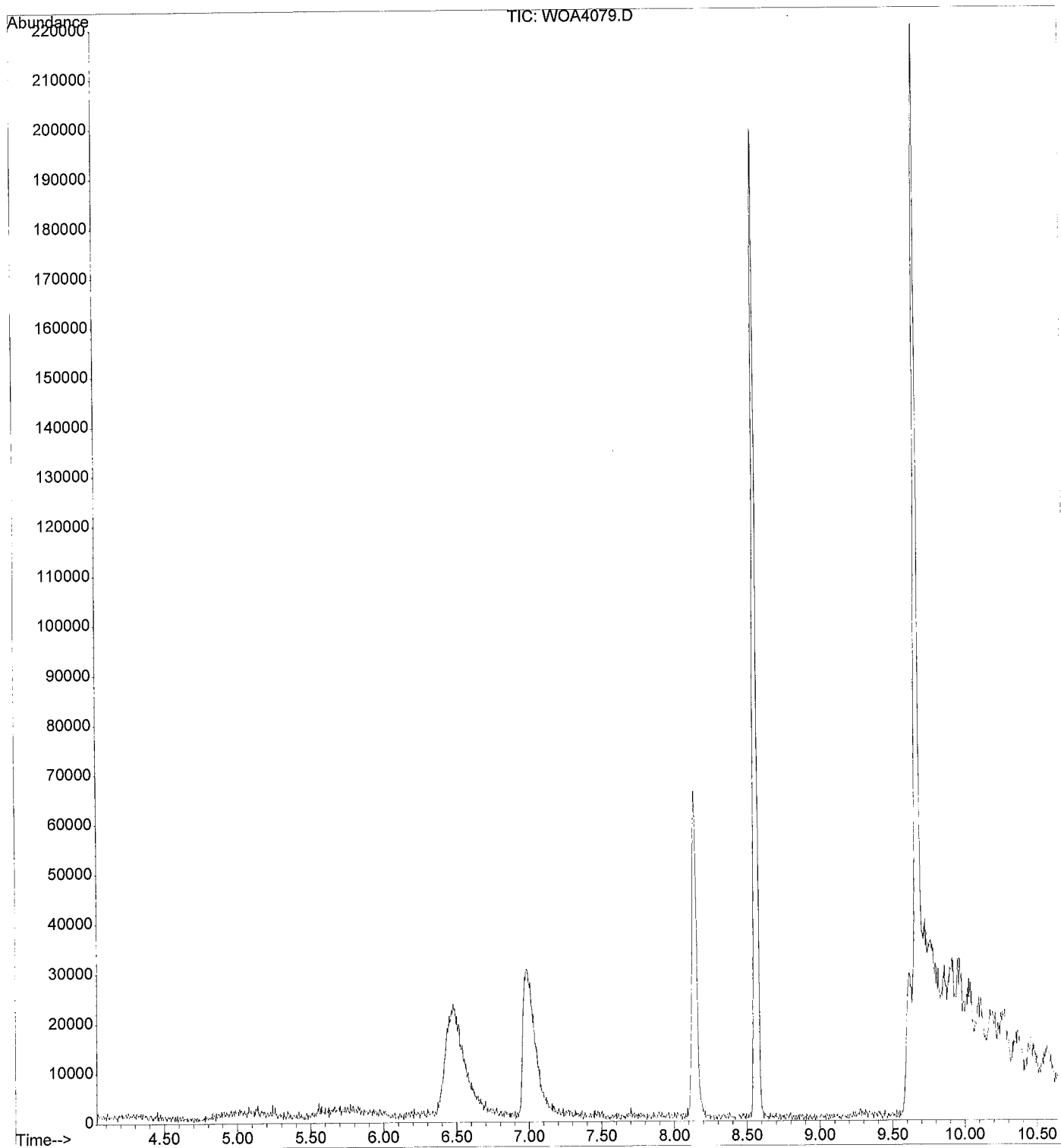
Method : C:\HPCHEM\1\METHODS\N031102.M (RTE Integrator)
 Title : FULL SCAN
 Last Update : Wed Mar 13 15:42:07 2002
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

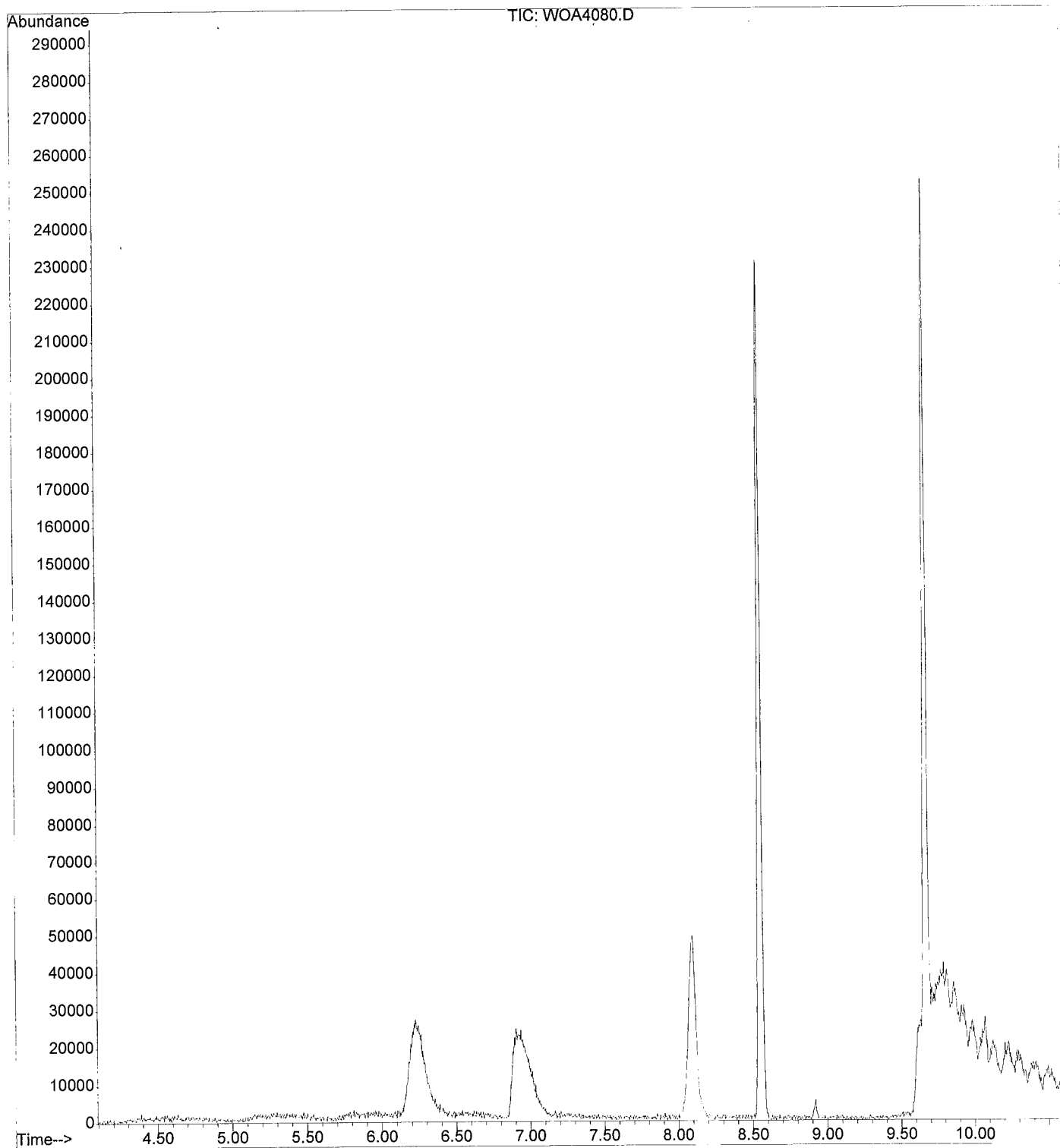
| | Compound | AvgRF | CCRF | | %Dev | AccRge |
|----|---------------------------|----------|----------|----|-------|--------|
| 1 | Vinyl Chloride | 2.450 | 2.156 | E3 | 12.0 | 25 |
| 2 | Bromomethane | 651.455 | 569.180 | | 12.6 | 25 |
| 3 | Chloroethane | 645.041 | 665.460 | | -3.2 | 25 |
| 4 | 1,1-Dichloroethene | 1.681 | 1.808 | E3 | -7.6 | 20 |
| 6 | Methylene Chloride | 2.707 | 2.501 | E3 | 7.6 | 20 |
| 7 | 1,2-Dichloroethene (cis) | 3.343 | 3.387 | E3 | -1.3 | 20 |
| 8 | 1,1-Dichloroethane | 3.505 | 3.798 | E3 | -8.4 | 20 |
| 9 | Chloroform | 3.295 | 3.097 | E3 | 6.0 | 20 |
| 10 | 1,2-Dichloroethane | 3.102 | 3.261 | E3 | -5.1 | 20 |
| 12 | 1,1,1-Trichloroethane | 2.904 | 2.375 | E3 | 18.2 | 20 |
| 13 | Carbon Tetrachloride | 2.256 | 2.185 | E3 | 3.1 | 20 |
| 14 | Benzene | 6.802 | 6.480 | E3 | 4.7 | 20 |
| 15 | Trichloroethene | 1.858 | 1.747 | E3 | 6.0 | 20 |
| 16 | 1,2-Dichloropropane | 3.636 | 4.058 | E3 | -11.6 | 20 |
| 17 | Bromodichloromethane | 1.390 | 1.455 | E3 | -4.7 | 20 |
| 18 | cis-1,3-Dichloropropene | 2.854 | 2.802 | E3 | 1.8 | 20 |
| 19 | trans-1,3-Dichloropropene | 2.592 | 2.897 | E3 | -11.8 | 20 |
| 20 | 1,1,2-Trichloroethane | 1.778 | 1.748 | E3 | 1.7 | 20 |
| 21 | Dibromochloromethane | 1.340 | 1.341 | E3 | -0.1 | 20 |
| 24 | Toluene | 4.438 | 4.255 | E3 | 4.1 | 20 |
| 25 | Tetrachloroethene | 1.404 | 1.419 | E3 | -1.1 | 20 |
| 27 | Chlorobenzene | 4.453 | 4.915 | E3 | -10.4 | 20 |
| 28 | Ethylbenzene | 2.608 | 2.656 | E3 | -1.8 | 20 |
| 29 | Xylene (total) | 9.421 | 10.134 | E3 | -7.6 | 20 |
| 30 | Styrene | 5.344 | 5.360 | E3 | -0.3 | 20 |
| 31 | 1,1,1,2-Tetrachloroethane | 1.432 | 1.338 | E3 | 6.6 | 20 |
| 32 | 1,1,2,2-Tetrachloroethane | 1.390 | 1.455 | E3 | -4.7 | 20 |
| 33 | FREON-11 | 1039.509 | 1061.740 | | -2.1 | 25 |
| 35 | FREON-12 | 1.273 | 1.054 | E3 | 17.2 | 25 |
| 36 | FREON-113 | 1.669 | 1.470 | E3 | 11.9 | 25 |
| 43 | Freon-22 | 2.435 | 2.093 | E3 | 14.0 | 25 |
| 44 | Freon-141B | 2.976 | 3.225 | E3 | -8.4 | 25 |

Chromatograms

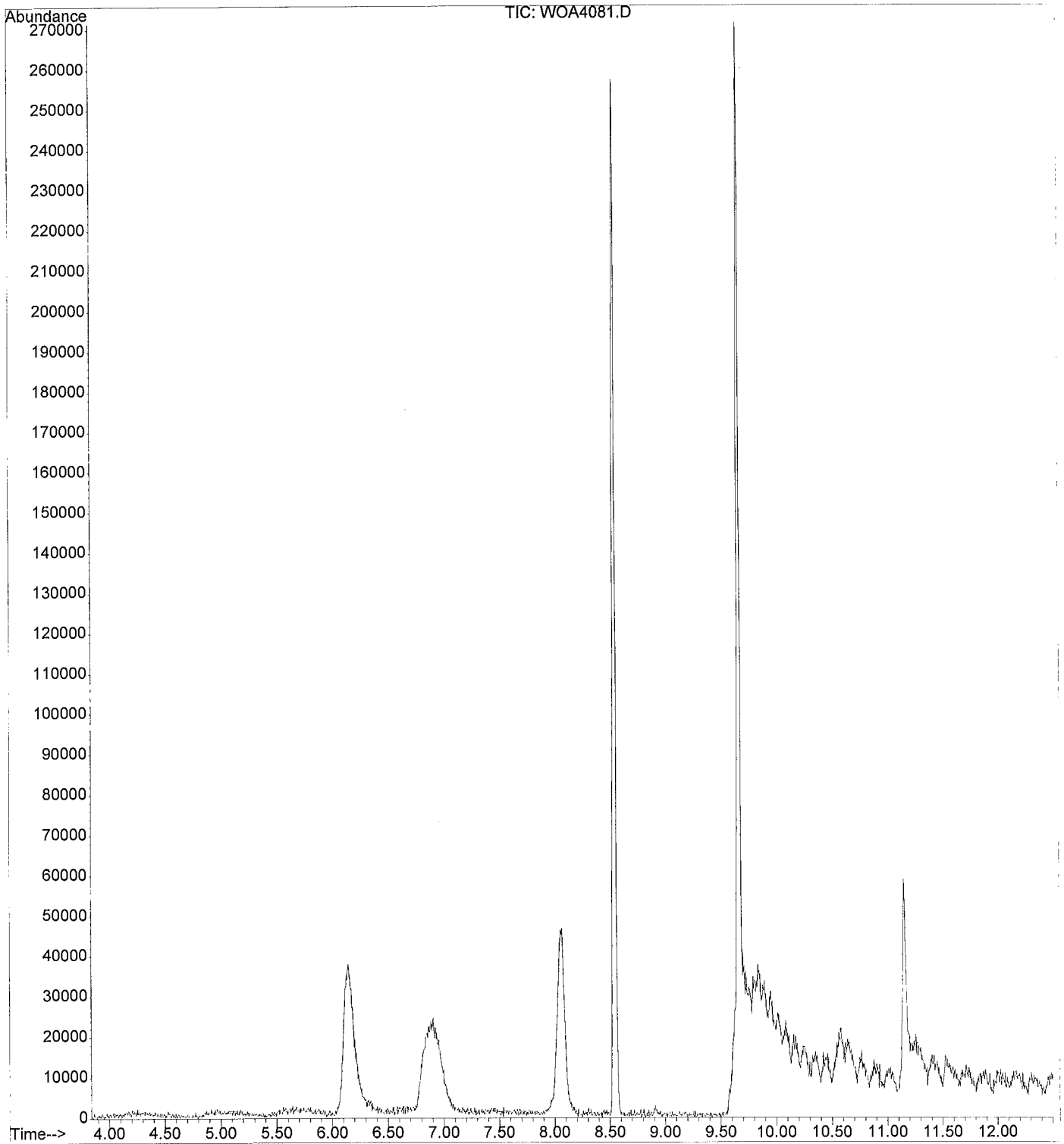
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Operator : Raphe HGS
Acquired : 13 Mar 2002 9:47 am using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: AMBIENT BLANK
Misc Info : Venice/CAL 13MAR02
Vial Number: 1



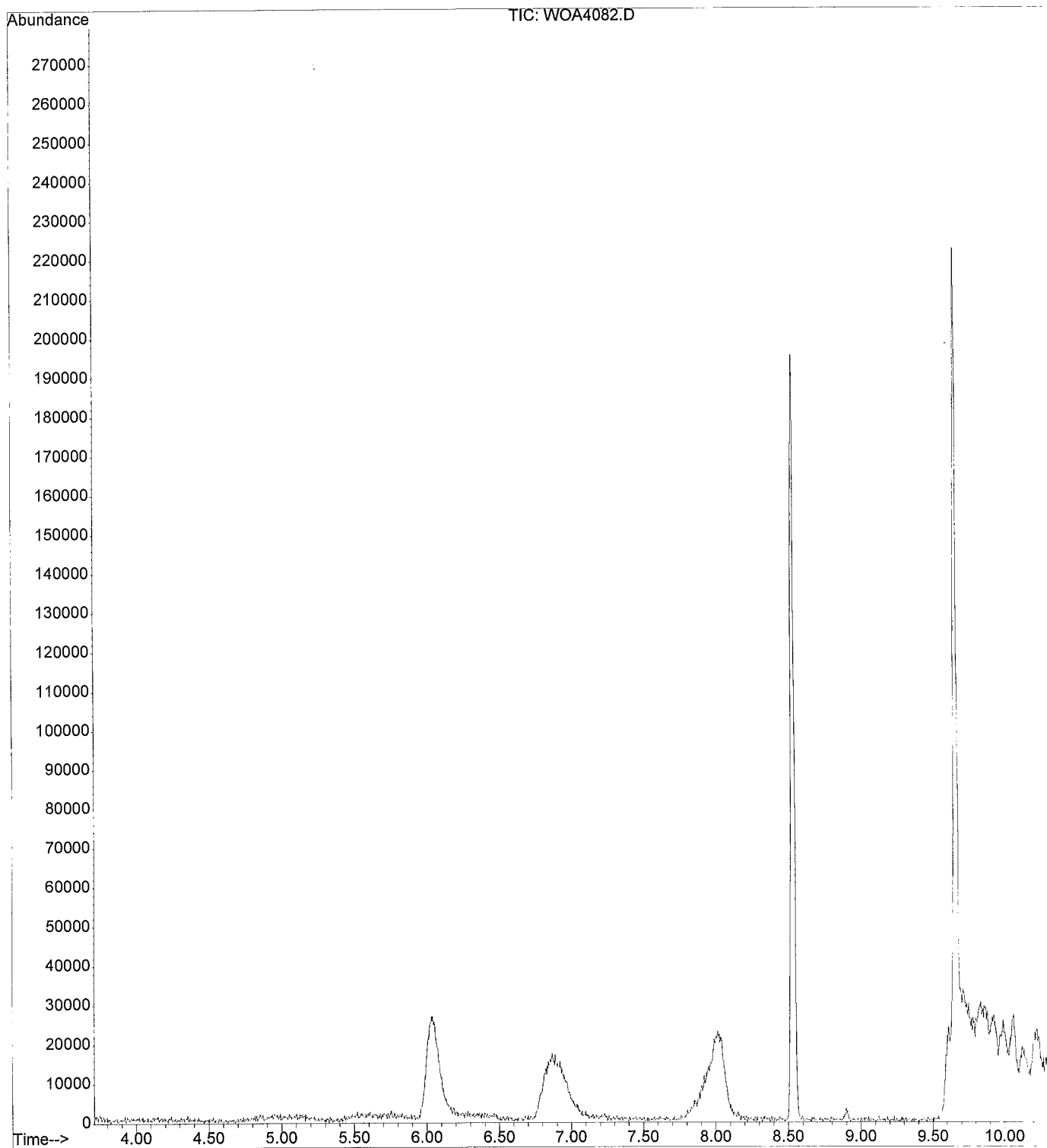
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Operator : Raphe HGS
Acquired : 13 Mar 2002 10:05 am using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV11-02333-5
Misc Info : Venice/CAL 13MAR02 0647 F1
Vial Number: 1



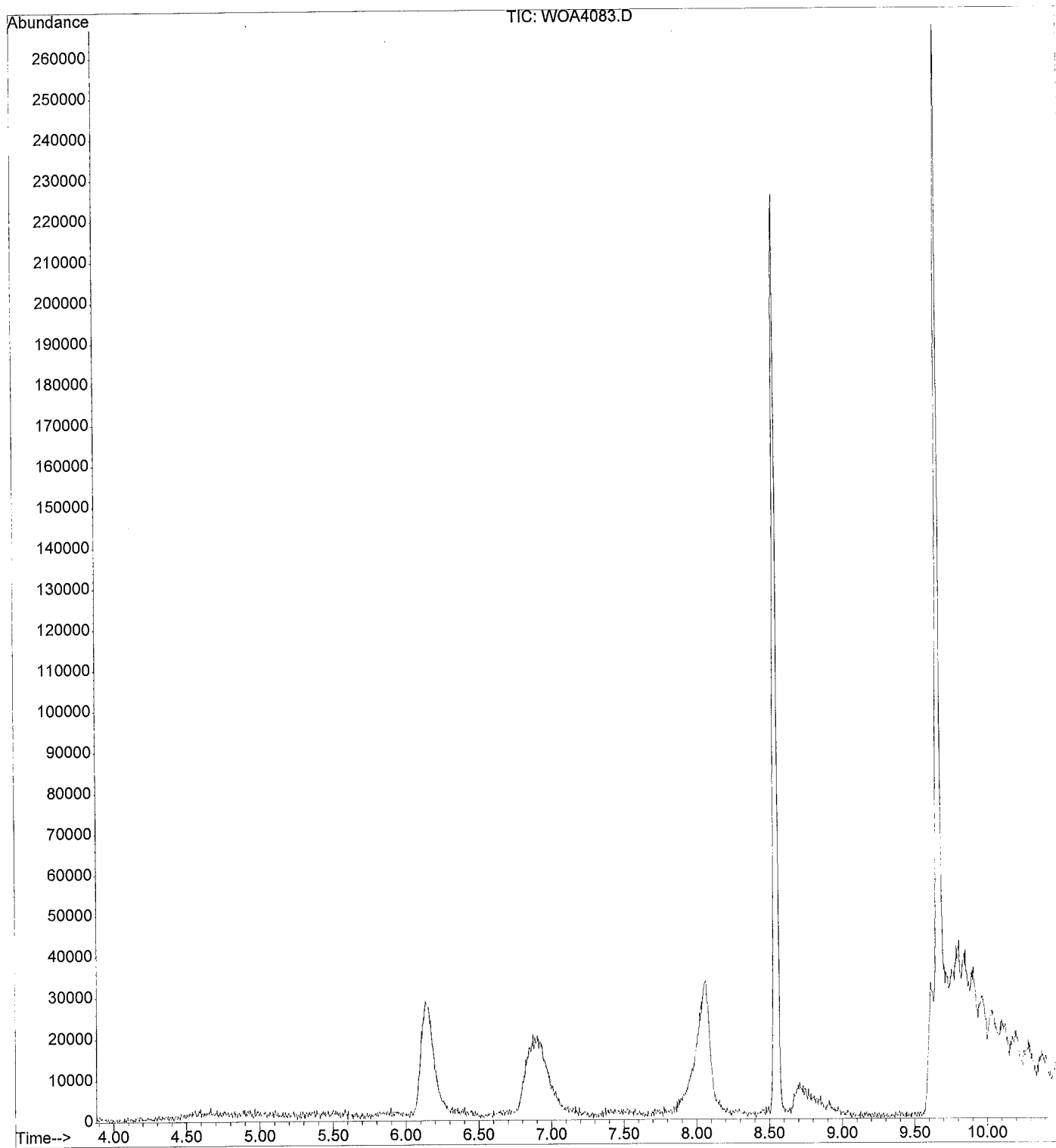
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Instrument : GC/MS Ins
Sample Name: SV15-02334-5
Misc Info : Venice/CAL 13MAR02 0651 S1
Vial Number: 1



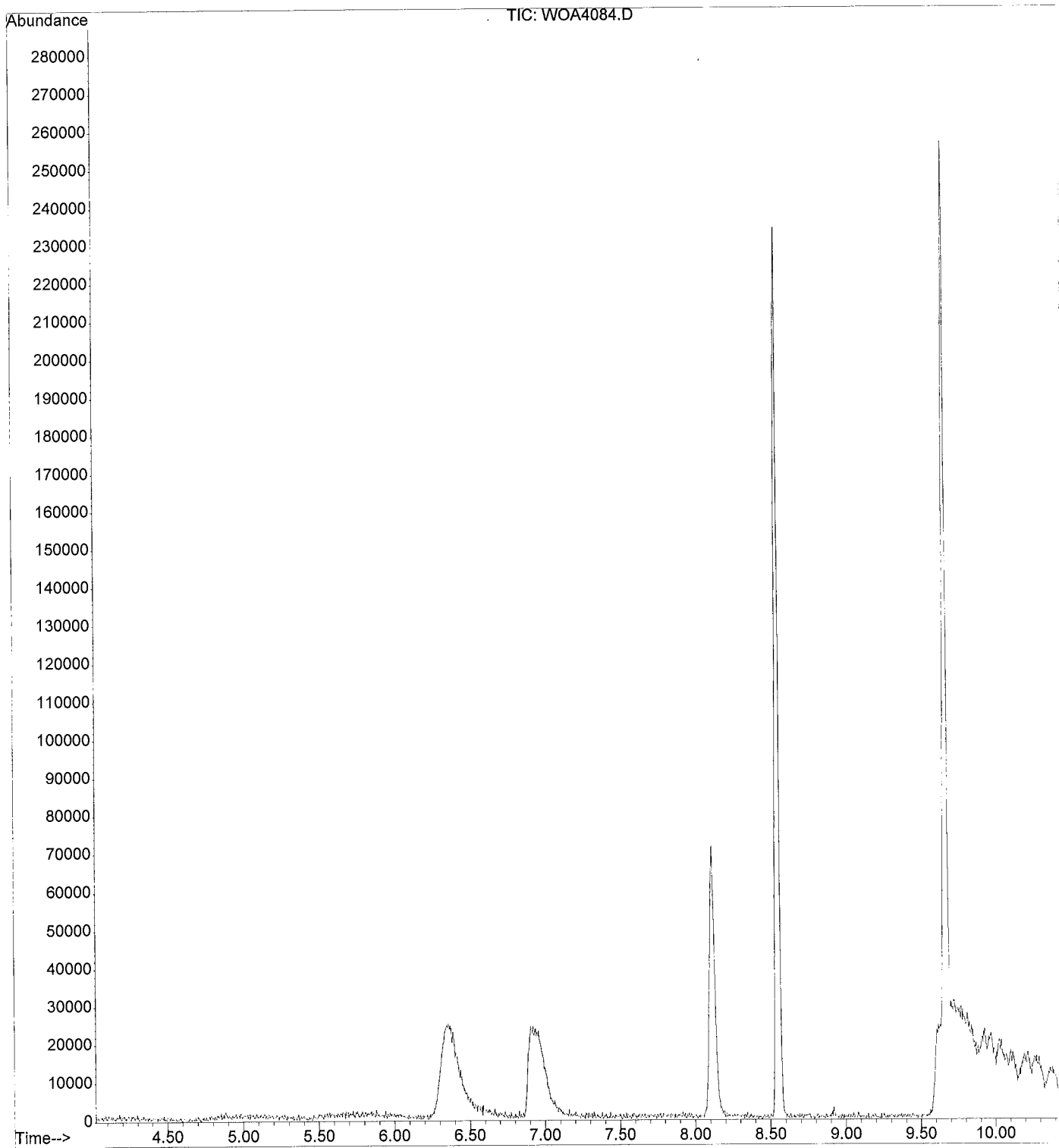
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Operator : Raphe HGS
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Instrument : GC/MS Ins
Sample Name: SV12-02335-5
Misc Info : Venice/CAL 13MAR02 0650 T4
Vial Number: 1



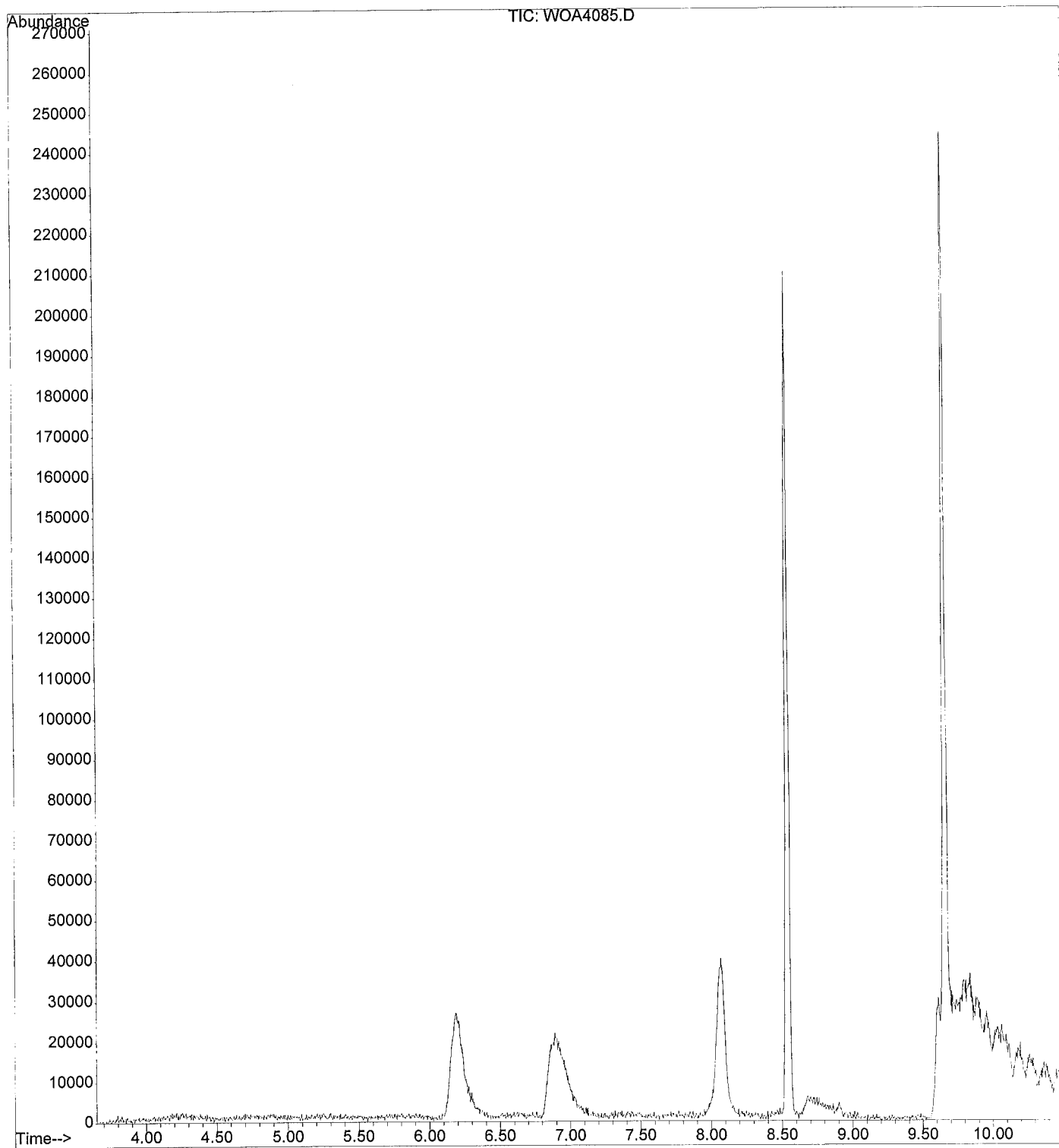
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Operator : Raphe HGS
Acquired : 13 Mar 2002 10:55 am using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV18-02336-5
Misc Info : Venice/CAL 13MAR02 0706 X5
Vial Number: 1



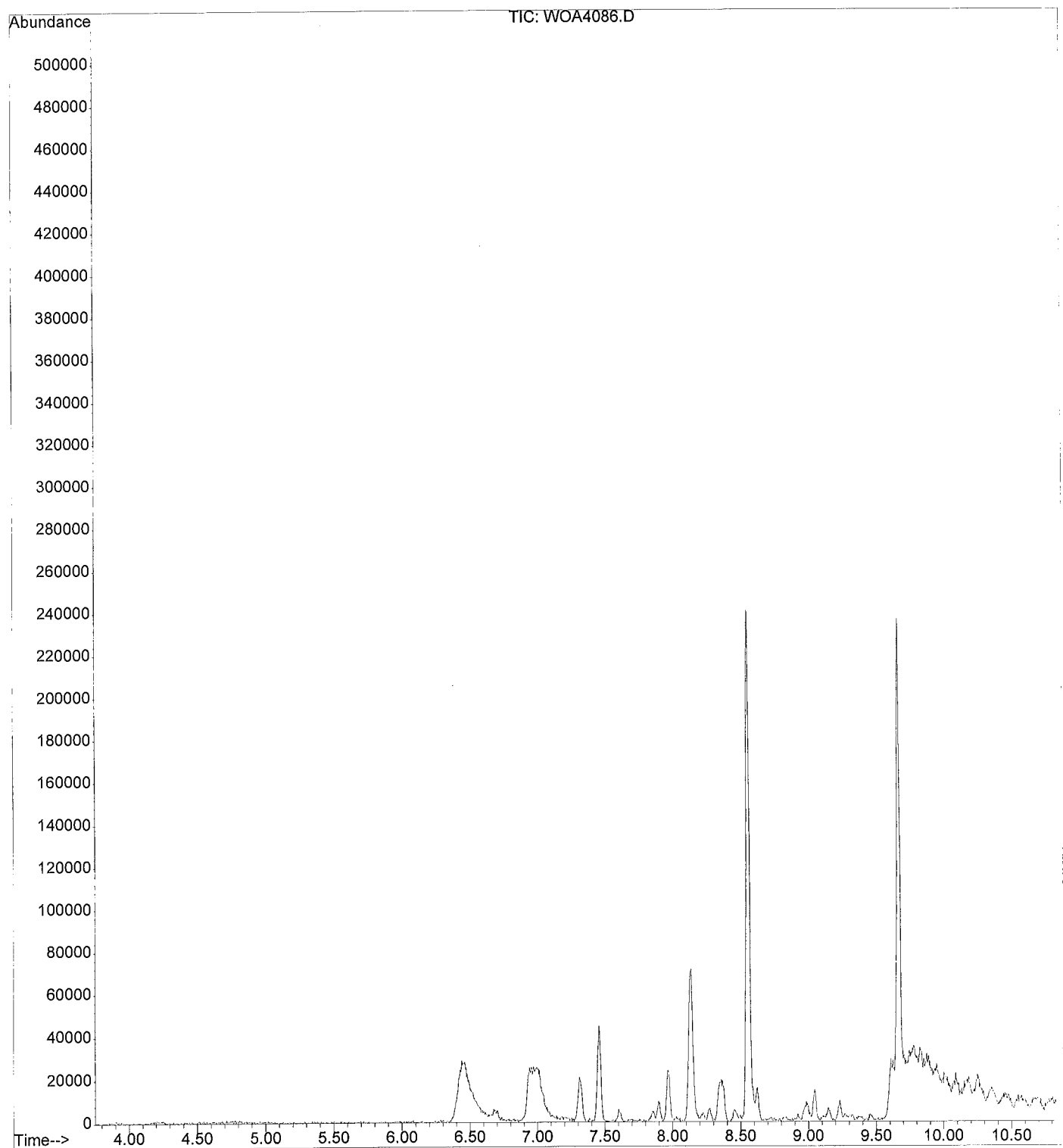
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Operator : Raphe HGS
Acquired : 13 Mar 2002 11:14 am using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV19-02337-5
Misc Info : Venice/CAL 13MAR02 0711 G1
Vial Number: 1



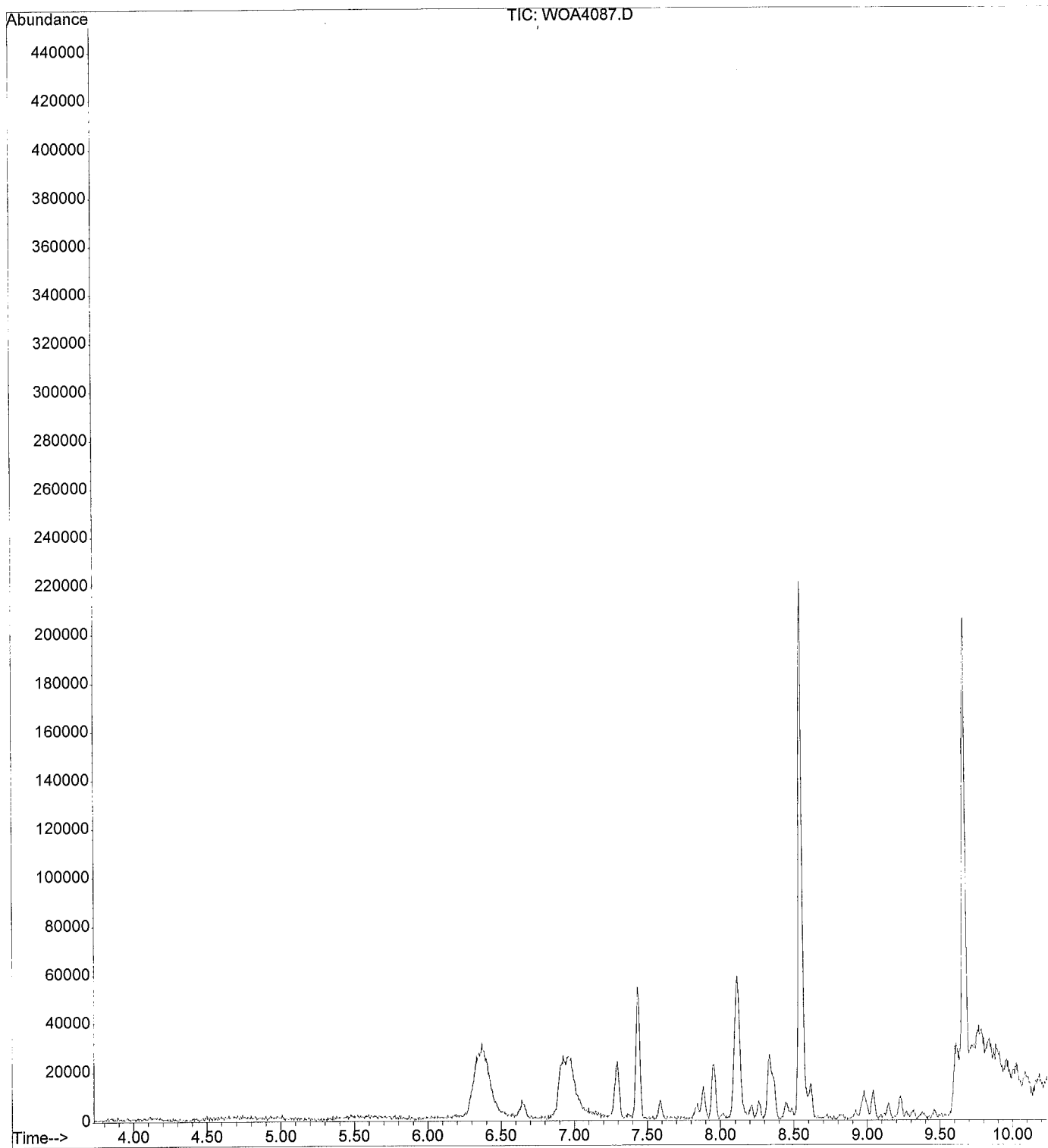
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Operator : Raphe HGS
Acquired : 13 Mar 2002 11:30 am using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV13-02338-5
Misc Info : Venice/CAL 13MAR02 0716 Y3
Vial Number: 1



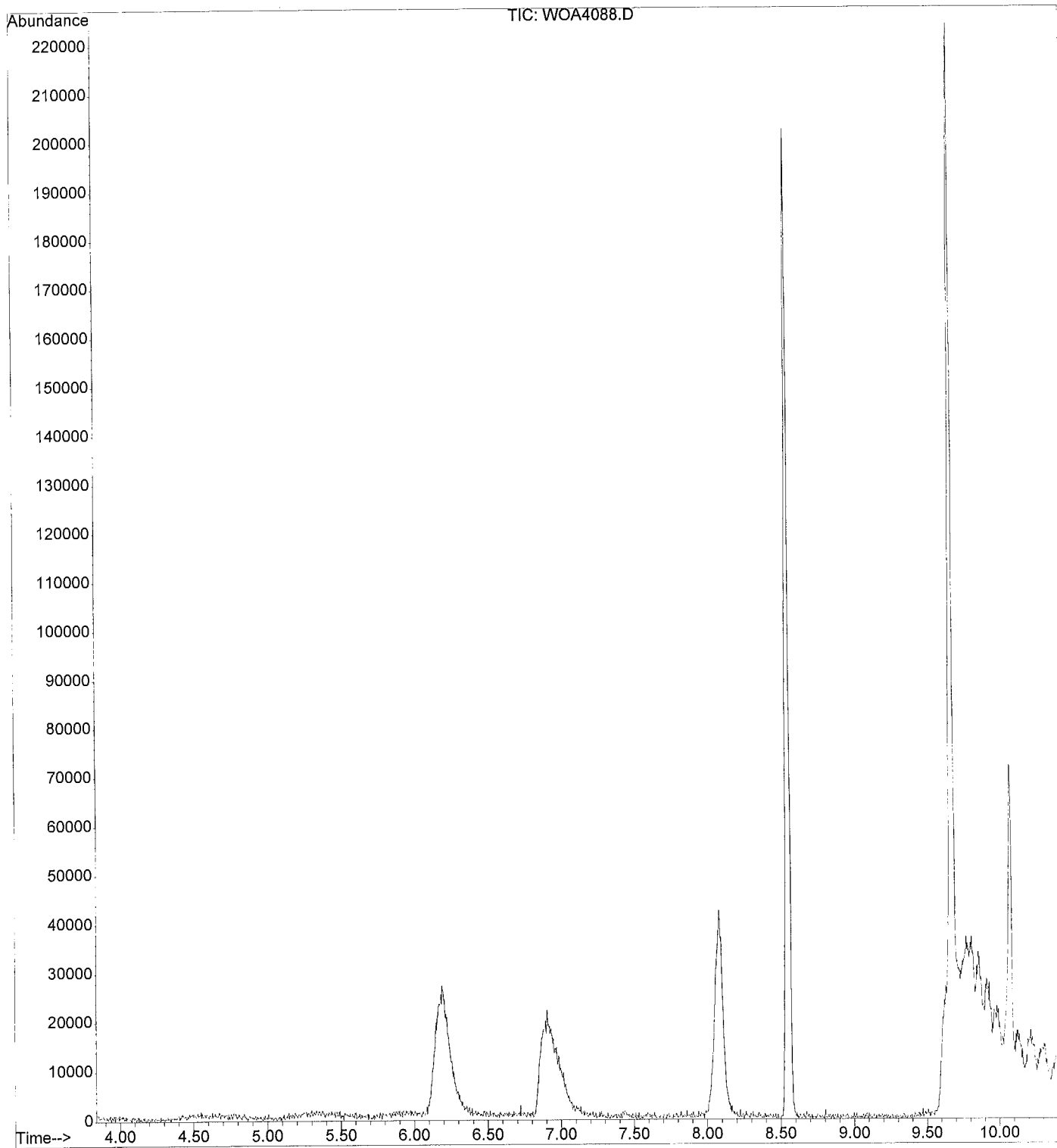
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Operator : Raphe HGS
Acquired : 13 Mar 2002 12:49 pm using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV3-02339-2
Misc Info : Venice/CAL 13MAR02 0725 Y2
Vial Number: 1



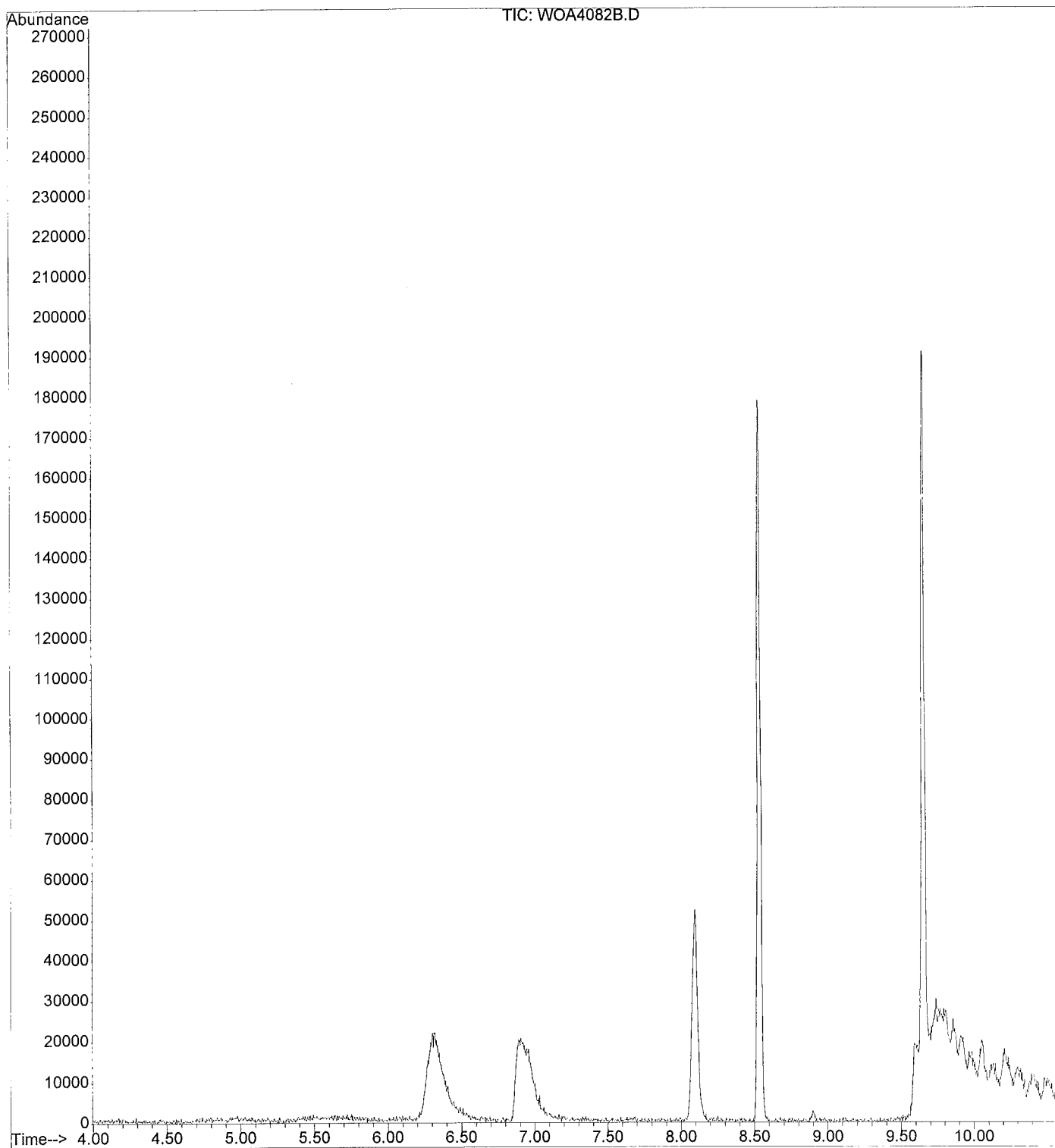
File : C:\HPCHEM\1\DATA\WOA4087.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 1:09 pm using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV8-02340-3
Misc Info : Venice/CAL 13MAR02 0732 R7
Vial Number: 1



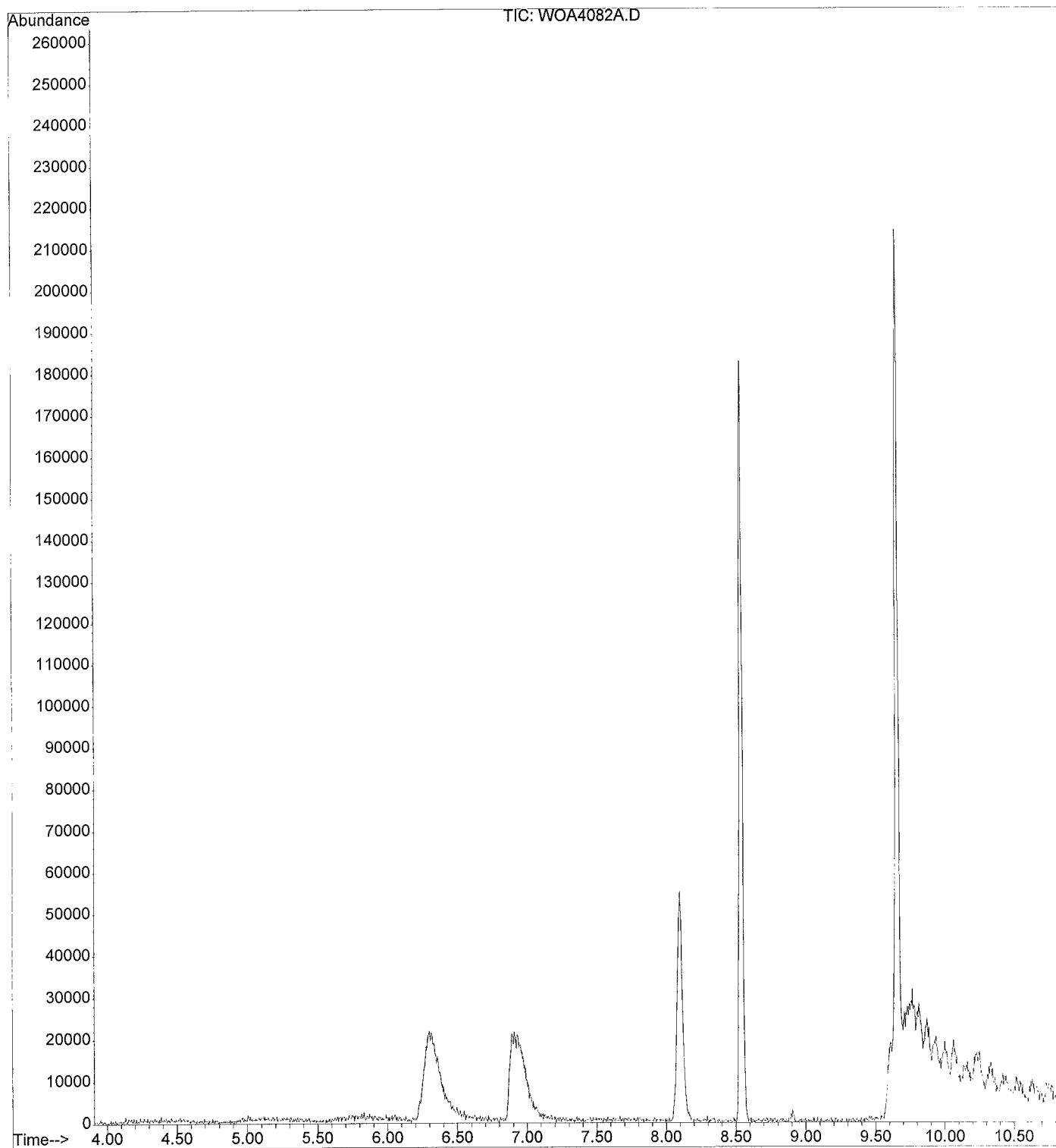
File : C:\HPCHEM\1\DATA\WOA4088.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 1:27 pm using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV6-02341-3
Misc Info : Venice/CAL 13MAR02 0734 s2
Vial Number: 1



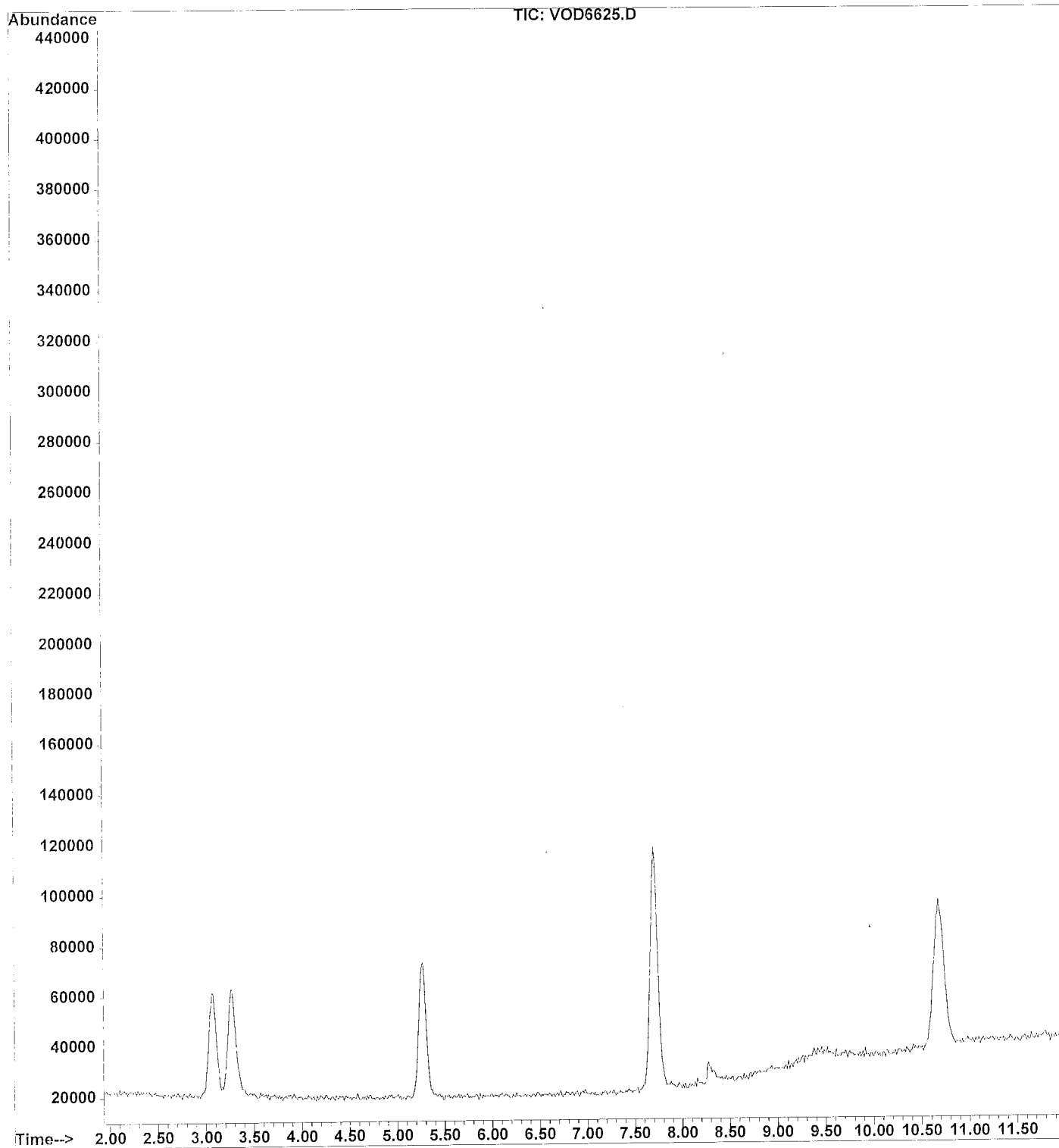
File : C:\HPCHEM\1\DATA\WOA4082B.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 3:04 pm using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV12-02335B-5 P22
Misc Info : Venice/CAL 13MAR02 0711 G4
Vial Number: 1



File : C:\HPCHEM\1\DATA\WOA4082A.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 2:45 pm using AcqMethod N031102
Instrument : GC/MS Ins
Sample Name: SV12-02335A-5 P3
Misc Info : Venice/CAL 13MAR02 0652 H6
Vial Number: 1



File : C:\HPCHEM\1\DATA\VOD6625.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 9:31 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: AMBIENT BLANK
Misc Info : Venice/CAL 13MAR02
Vial Number: 1






LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8020 (BTEX)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/21/02
Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | |
|-------------------|----------|-----------|------------|-------|
| Date Analyzed: | 03/19/02 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133436 | 133445 | 133447 | |
| Client ID No.: | CEB8@6-8 | CEB10@4-6 | CEB10@8-10 | MRL |
| Compounds: | | | | |
| Benzene | <0.002 | <0.002 | <0.002 | 0.002 |
| Ethylbenzene | <0.002 | <0.002 | <0.002 | 0.002 |
| Toluene | <0.002 | <0.002 | <0.002 | 0.002 |
| Xylenes | <0.002 | <0.002 | <0.002 | 0.002 |

MRL: Method Reporting Limit


George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 0.04 mg/Kg

AA ID No.: 133436
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/19/02
Date Reported: 03/21/02

| Compounds | Result (mg/Kg) | Spike Recovery (%) | Dup. Result (mg/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept.Rec. Range (%) |
|--------------|----------------|--------------------|---------------------|-------------------------|---------|-----------------------|
| Benzene | 0.038 | 95.00 | 0.035 | 88.00 | 7.65 | 65 - 135 |
| Ethylbenzene | 0.038 | 95.00 | 0.035 | 88.00 | 7.65 | 77 - 123 |
| Toluene | 0.038 | 95.00 | 0.035 | 88.00 | 7.65 | 66 - 134 |
| Xylenes | 0.037 | 93.00 | 0.035 | 88.00 | 5.52 | 73 - 127 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

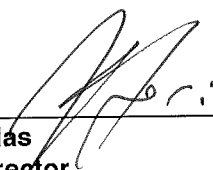
Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| Acetone | <50 | 51 | <50 | 87 | 50 |
| Benzene | <2 | <2 | <2 | <2 | 2 |
| Bromobenzene | <5 | <5 | <5 | <5 | 5 |
| Bromochloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromodichloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromoform | <5 | <5 | <5 | <5 | 5 |
| Bromomethane | <5 | <5 | <5 | <5 | 5 |
| 2-Butanone | <50 | <50 | <50 | <50 | 50 |
| Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| Carbon disulfide | <5 | <5 | <5 | <5 | 5 |
| Carbon tetrachloride | <5 | <5 | <5 | <5 | 5 |
| Chlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Chloroethane | <5 | <5 | <5 | <5 | 5 |
| Chloroform | <5 | <5 | <5 | <5 | 5 |
| Chloromethane | <5 | <5 | <5 | <5 | 5 |
| 2-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 4-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromo-3-chloropropane | <10 | <10 | <10 | <10 | 10 |
| Dibromochloromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromoethane | <5 | <5 | <5 | <5 | 5 |
| Dibromomethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,4-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Dichlorodifluoromethane | <5 | <5 | <5 | <5 | 5 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

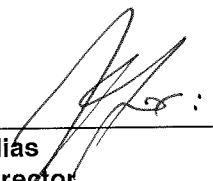
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| 1,1-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloroethene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 2,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloropropene | <5 | <5 | <5 | <5 | 5 |
| Ethylbenzene | <2 | <2 | <2 | <2 | 2 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 10 |
| 2-Hexanone | <50 | <50 | <50 | <50 | 50 |
| Isopropylbenzene | <5 | <5 | <5 | <5 | 5 |
| Isopropyltoluene | <10 | <10 | <10 | <10 | 10 |
| Methyl tert-Butyl Ether | <5 | <5 | <5 | <5 | 5 |
| 4-Methyl-2-pentanone | <50 | <50 | <50 | <50 | 50 |
| Methylene chloride | <50 | <50 | <50 | <50 | 50 |
| Naphthalene | <10 | <10 | <10 | <10 | 10 |
| Propylbenzene | <5 | <5 | <5 | <5 | 5 |
| Styrene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| Tetrachloroethene | <5 | <5 | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|------------------------|----|----|----|----|---|
| Toluene | <2 | <2 | <2 | <2 | 2 |
| 1,2,3-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| Trichloroethene | <5 | <5 | <5 | <5 | 5 |
| Trichlorofluoromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2,3-Trichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3,5-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| Vinyl chloride | <5 | <5 | <5 | <5 | 5 |
| m,p-Xylenes | <2 | <2 | <2 | <2 | 2 |
| o-Xylene | <2 | <2 | <2 | <2 | 2 |
| sec-Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| tert-Butylbenzene | <5 | <5 | <5 | <5 | 5 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

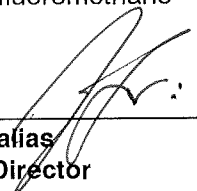
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| Acetone | <50 | <50 | 120 | 130 | 50 |
| Benzene | <2 | <2 | <2 | <2 | 2 |
| Bromobenzene | <5 | <5 | <5 | <5 | 5 |
| Bromochloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromodichloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromoform | <5 | <5 | <5 | <5 | 5 |
| Bromomethane | <5 | <5 | <5 | <5 | 5 |
| 2-Butanone | <50 | <50 | <50 | <50 | 50 |
| Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| Carbon disulfide | <5 | <5 | <5 | <5 | 5 |
| Carbon tetrachloride | <5 | <5 | <5 | <5 | 5 |
| Chlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Chloroethane | <5 | <5 | <5 | <5 | 5 |
| Chloroform | <5 | <5 | <5 | <5 | 5 |
| Chloromethane | <5 | <5 | <5 | <5 | 5 |
| 2-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 4-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromo-3-chloropropane | <10 | <10 | <10 | <10 | 10 |
| Dibromochloromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromoethane | <5 | <5 | <5 | <5 | 5 |
| Dibromomethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,4-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Dichlorodifluoromethane | <5 | <5 | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 5


Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| 1,1-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloroethene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 2,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloropropene | <5 | <5 | <5 | <5 | 5 |
| Ethylbenzene | <2 | <2 | <2 | <2 | 2 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 10 |
| 2-Hexanone | <50 | <50 | <50 | <50 | 50 |
| Isopropylbenzene | <5 | <5 | <5 | <5 | 5 |
| Isopropyltoluene | <10 | <10 | <10 | <10 | 10 |
| Methyl tert-Butyl Ether | <5 | <5 | <5 | <5 | 5 |
| 4-Methyl-2-pentanone | <50 | <50 | <50 | <50 | 50 |
| Methylene chloride | <50 | <50 | <50 | <50 | 50 |
| Naphthalene | <10 | <10 | <10 | <10 | 10 |
| Propylbenzene | <5 | <5 | <5 | <5 | 5 |
| Styrene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| Tetrachloroethene | <5 | <5 | <5 | <5 | 5 |


George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|------------------------|----|----|----|----|---|
| Toluene | <2 | <2 | <2 | <2 | 2 |
| 1,2,3-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| Trichloroethene | <5 | <5 | <5 | <5 | 5 |
| Trichlorofluoromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2,3-Trichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3,5-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| Vinyl chloride | <5 | <5 | <5 | <5 | 5 |
| m,p-Xylenes | <2 | <2 | <2 | <2 | 2 |
| o-Xylene | <2 | <2 | <2 | <2 | 2 |
| sec-Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| tert-Butylbenzene | <5 | <5 | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

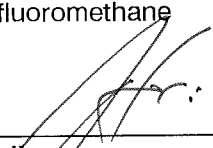
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

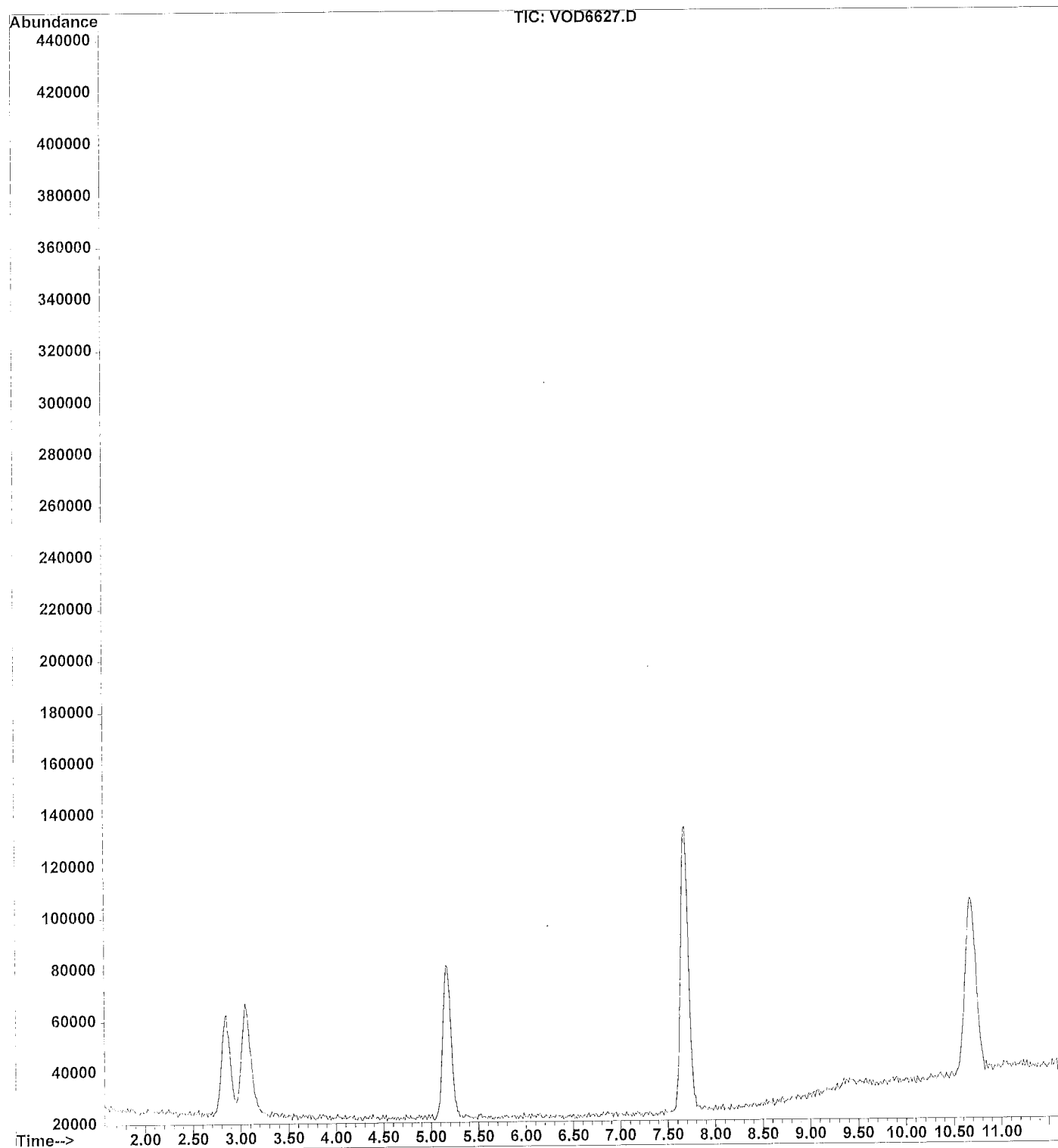
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|----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

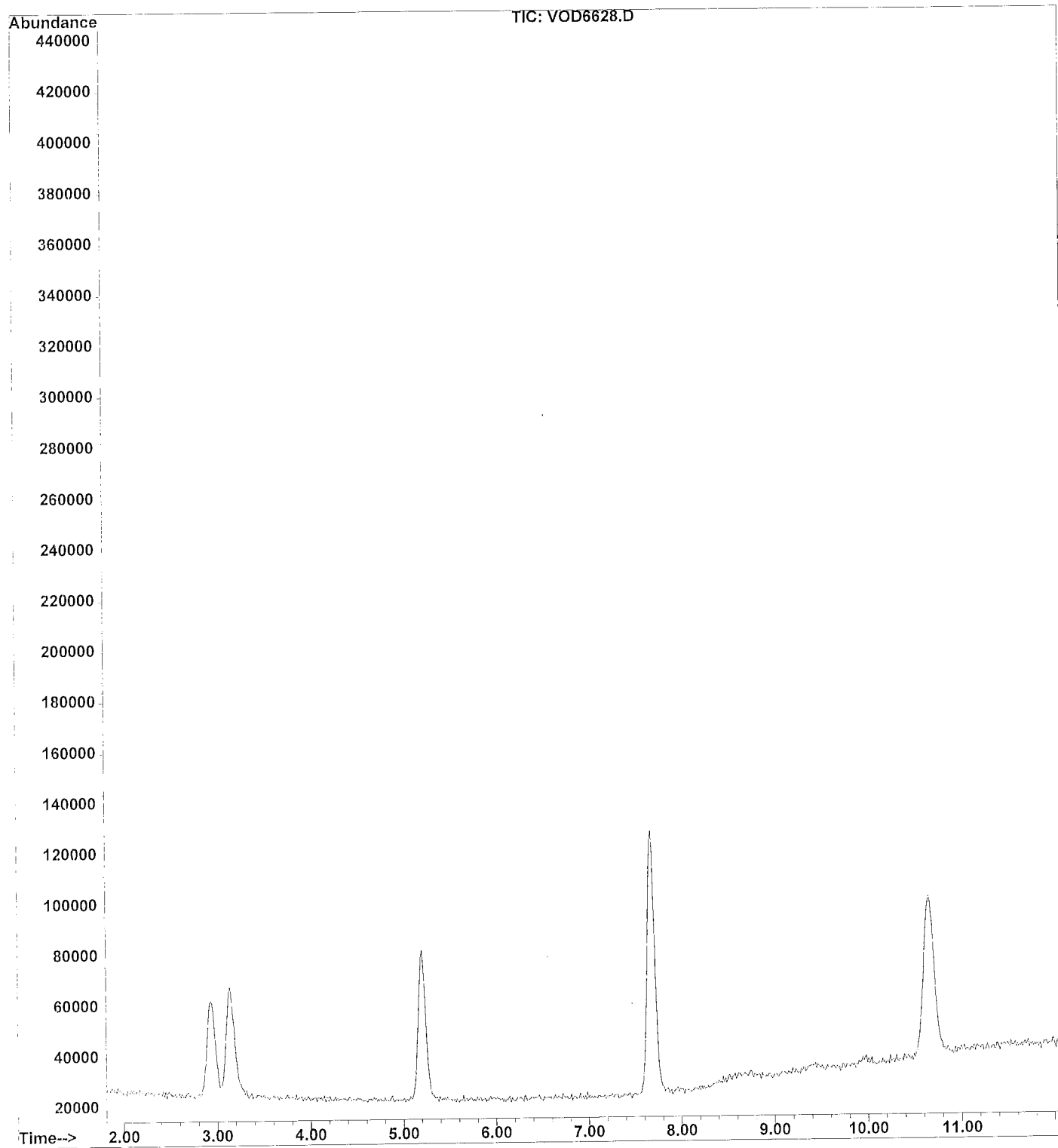
| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| Acetone | 55 | 66 | 110 | 58 | 50 |
| Benzene | <2 | <2 | <2 | <2 | 2 |
| Bromobenzene | <5 | <5 | <5 | <5 | 5 |
| Bromochloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromodichloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromoform | <5 | <5 | <5 | <5 | 5 |
| Bromomethane | <5 | <5 | <5 | <5 | 5 |
| 2-Butanone | <50 | <50 | <50 | <50 | 50 |
| Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| Carbon disulfide | <5 | <5 | <5 | <5 | 5 |
| Carbon tetrachloride | <5 | <5 | <5 | <5 | 5 |
| Chlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Chloroethane | <5 | <5 | <5 | <5 | 5 |
| Chloroform | <5 | <5 | <5 | <5 | 5 |
| Chloromethane | <5 | <5 | <5 | <5 | 5 |
| 2-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 4-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromo-3-chloropropane | <10 | <10 | <10 | <10 | 10 |
| Dibromochloromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromoethane | <5 | <5 | <5 | <5 | 5 |
| Dibromomethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,4-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Dichlorodifluoromethane | <5 | <5 | <5 | <5 | 5 |


 George Havalas
 Laboratory Director

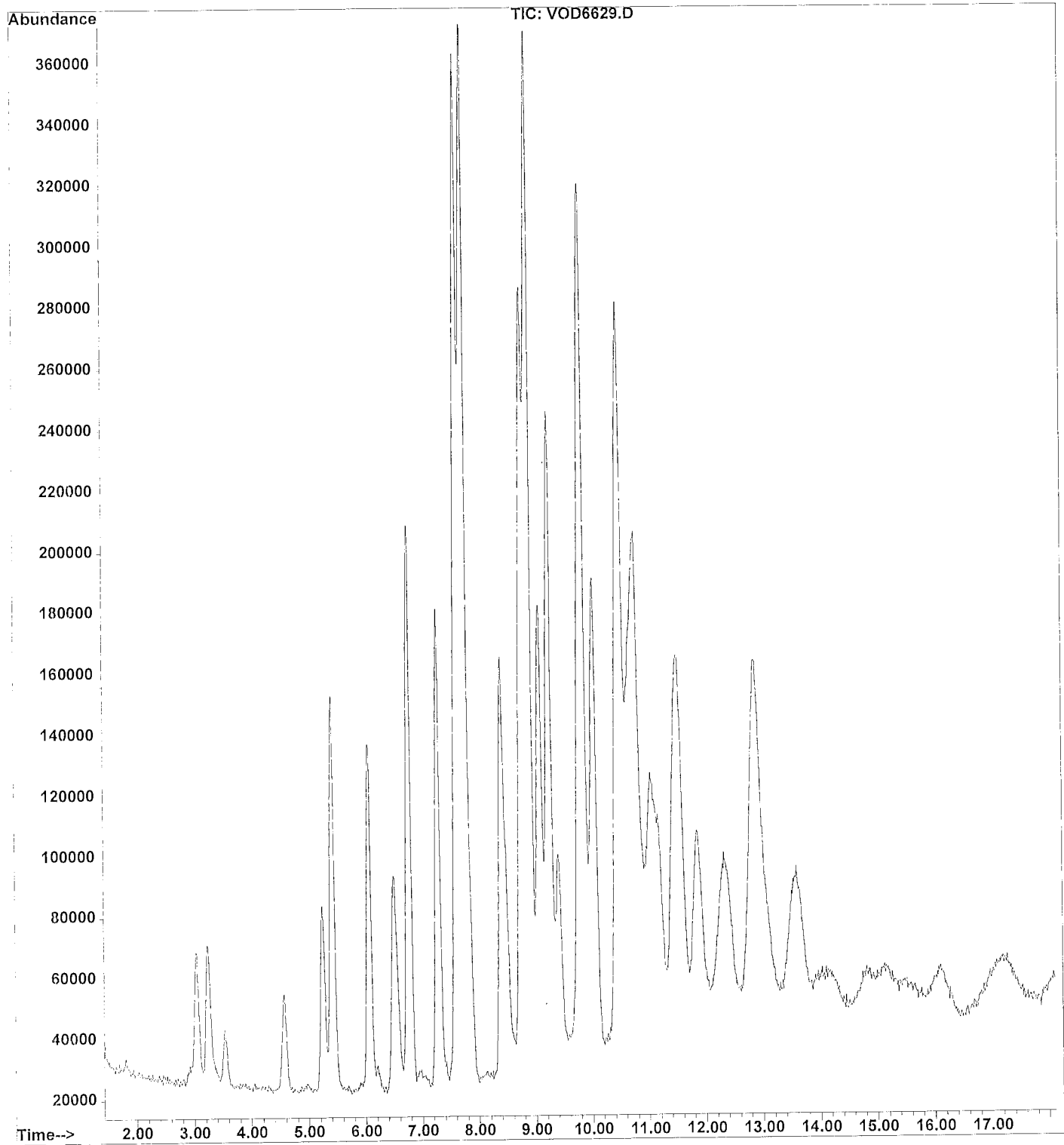
File : C:\HPCHEM\1\DATA\VOD6627.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 10:04 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV16-14932-5 LO
Misc Info : Venice/CAL 13MAR02 0656 A12
Vial Number: 1



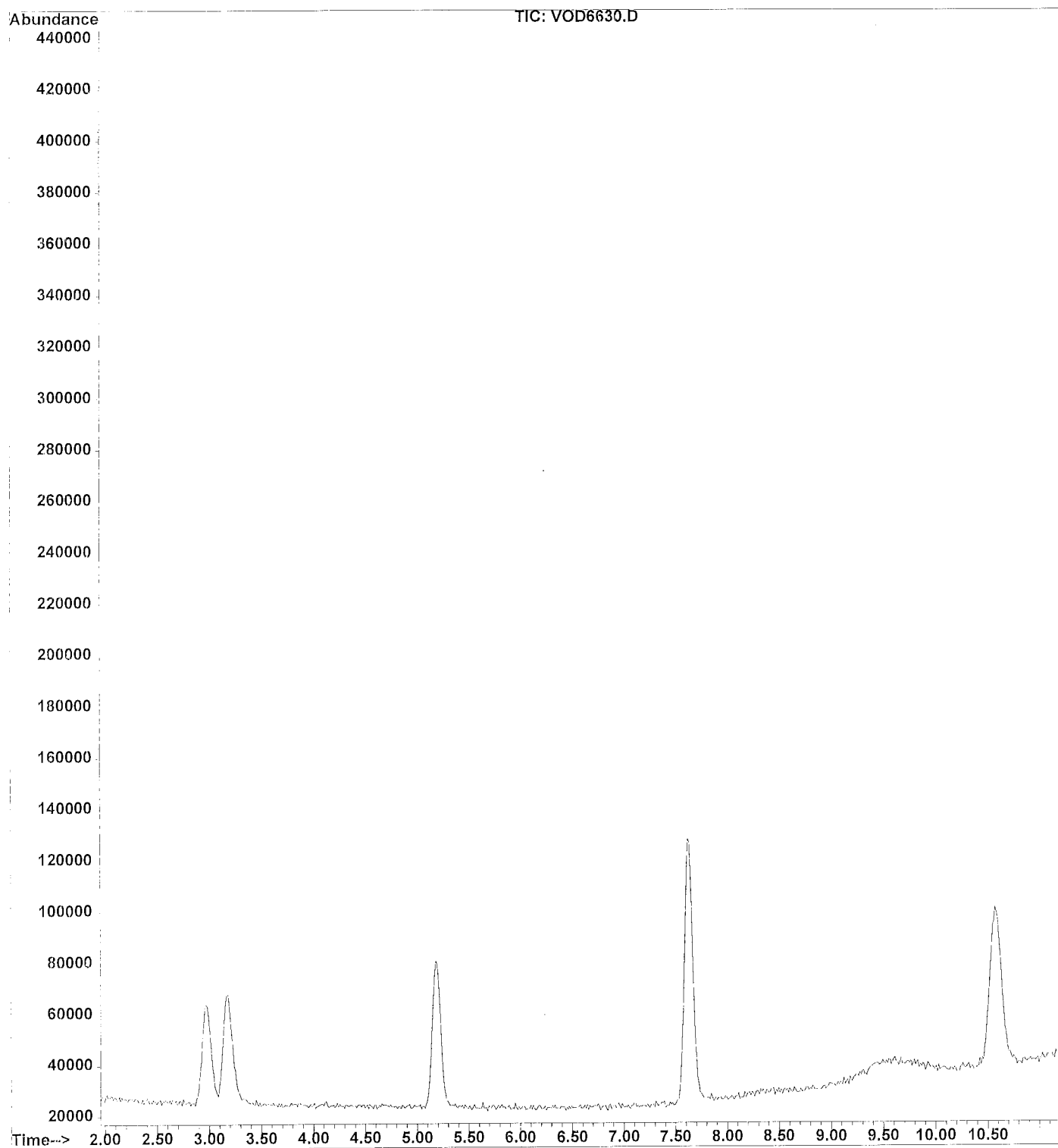
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Operator : Raphe HGS
Acquired : 13 Mar 2002 10:21 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV17-14933-5
Misc Info : Venice/CAL 13MAR02 0701 N1
Vial Number: 1



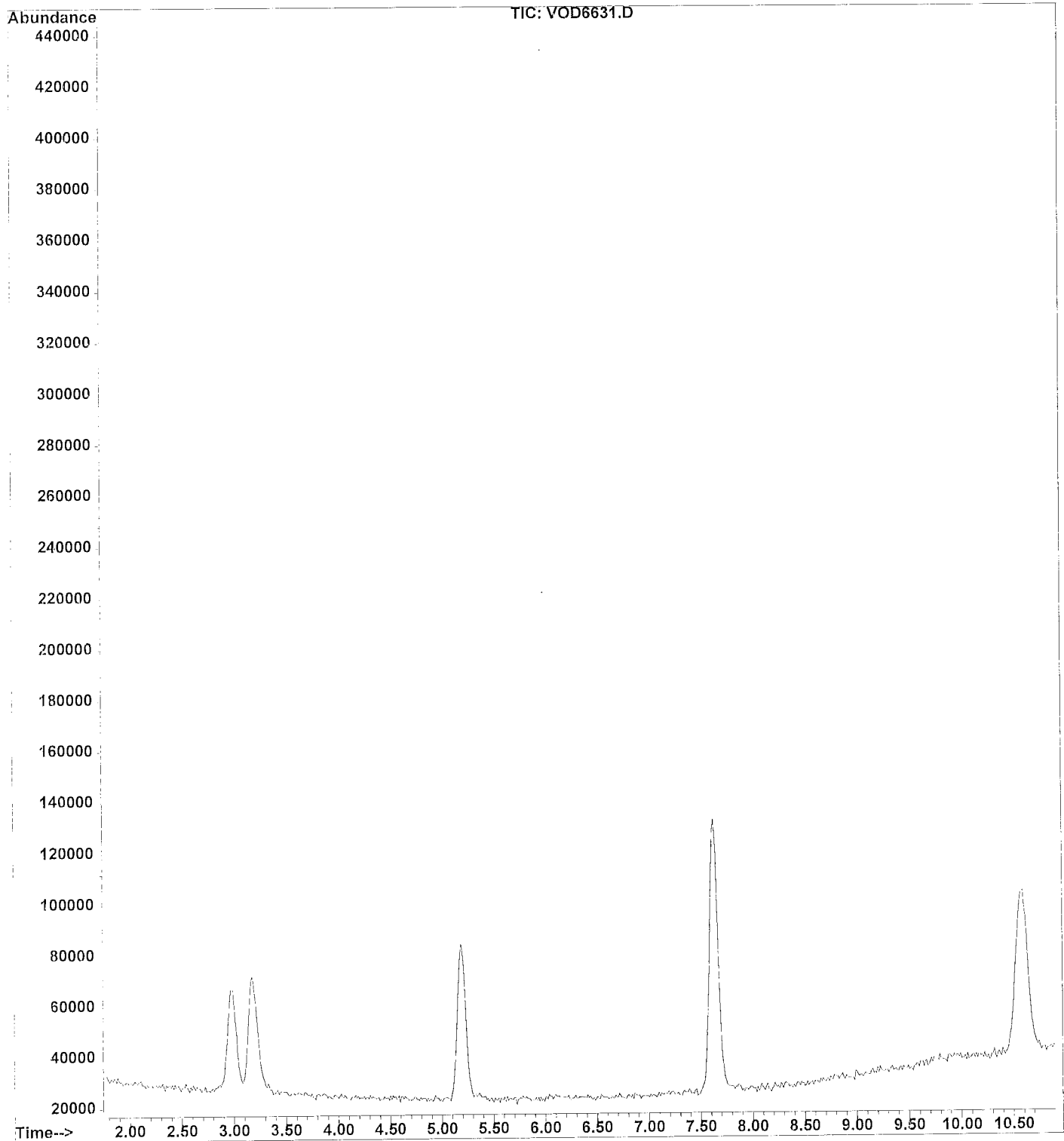
File : C:\HPCHEM\1\DATA\VOD6629.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 10:39 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV4-14934-3
Misc Info : Venice/CAL 13MAR02 0726 Y8
Vial Number: 1



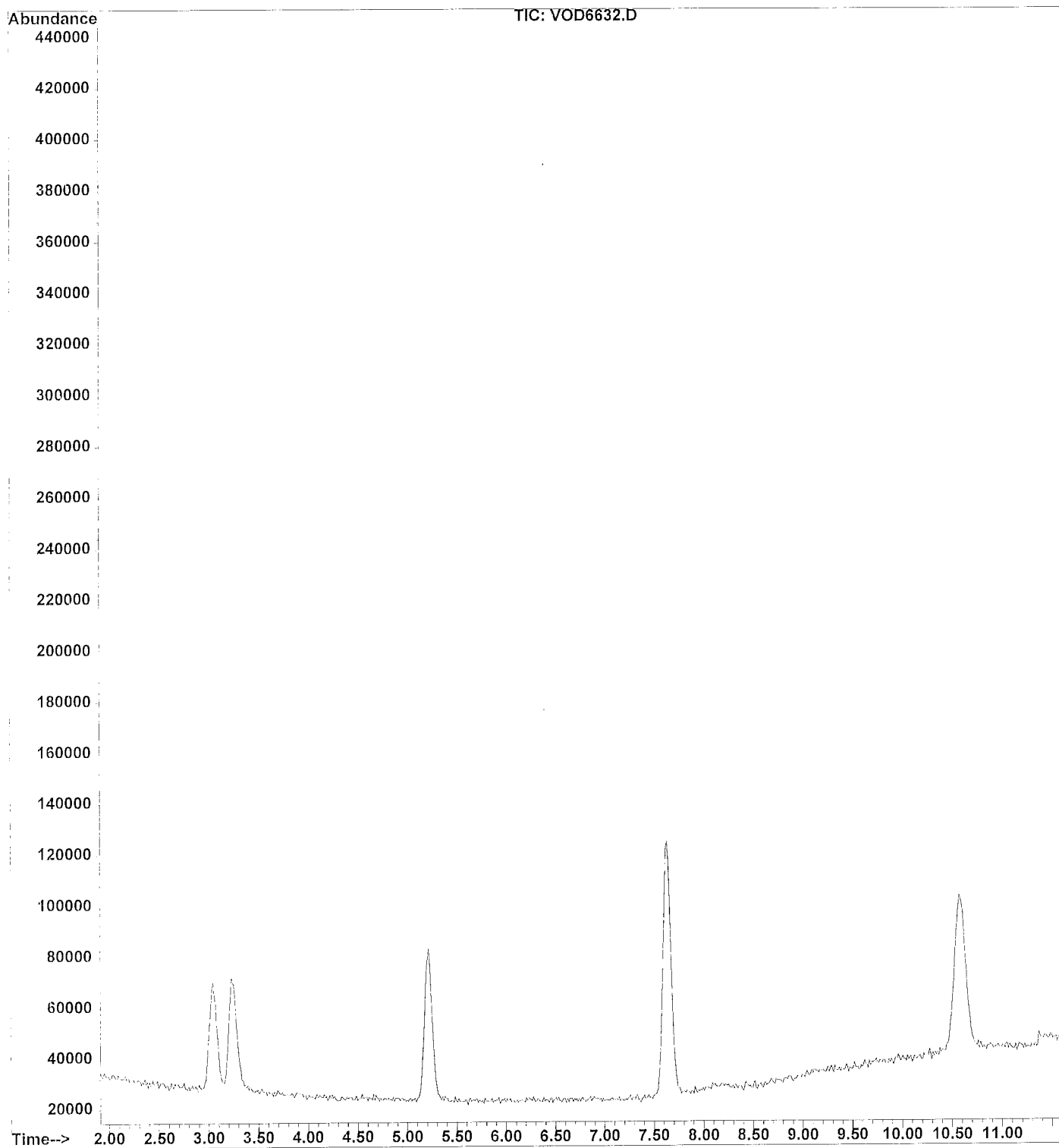
File : C:\HPCHEM\1\DATA\VOD6630.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 11:01 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV5-14935-5
Misc Info : Venice/CAL 13MAR02 0728 H8
Vial Number: 1



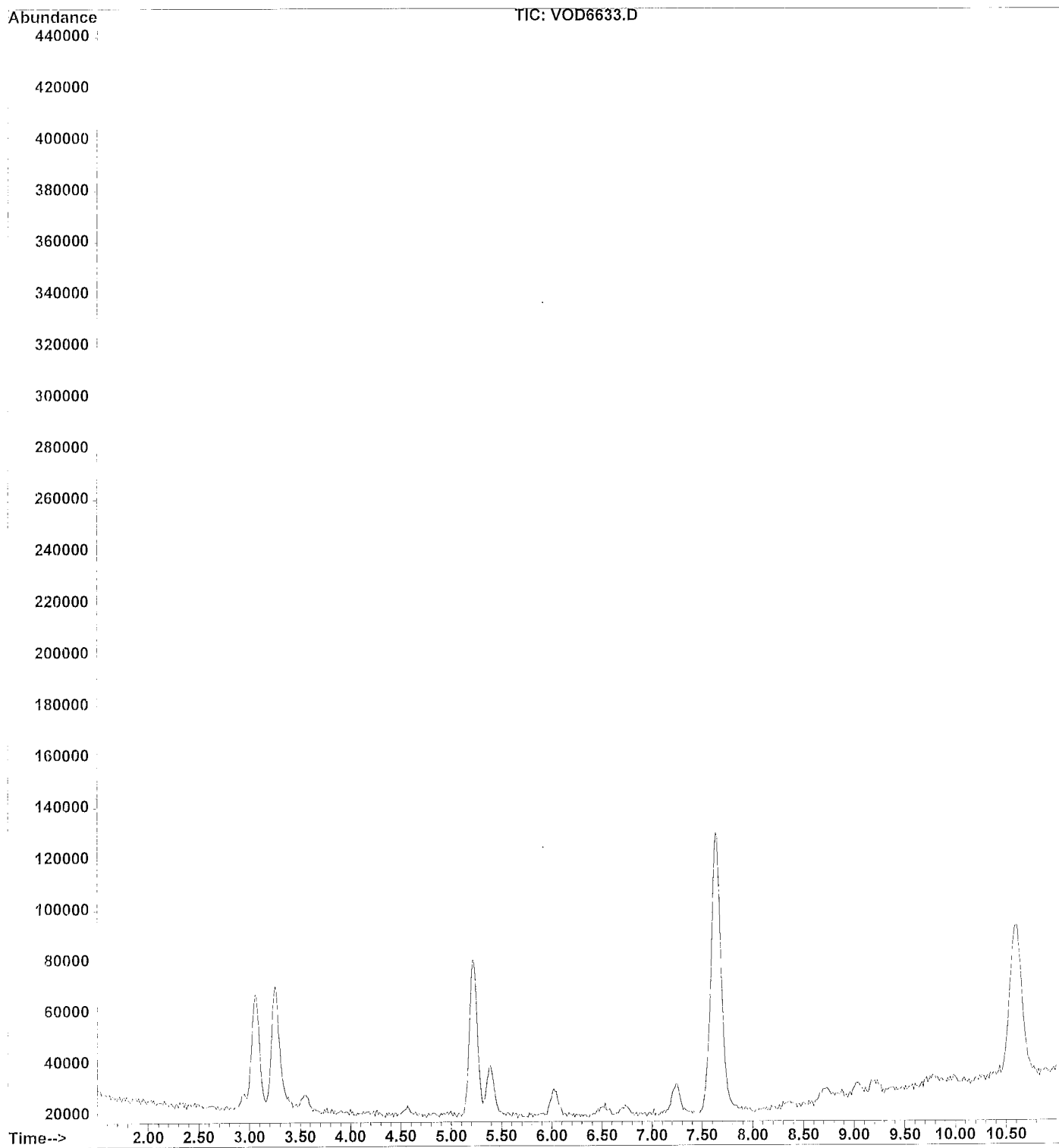
File : C:\HPCHEM\1\DATA\VOD6631.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 11:15 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV2-14936-5
Misc Info : Venice/CAL 13MAR02 0731 A19
Vial Number: 1



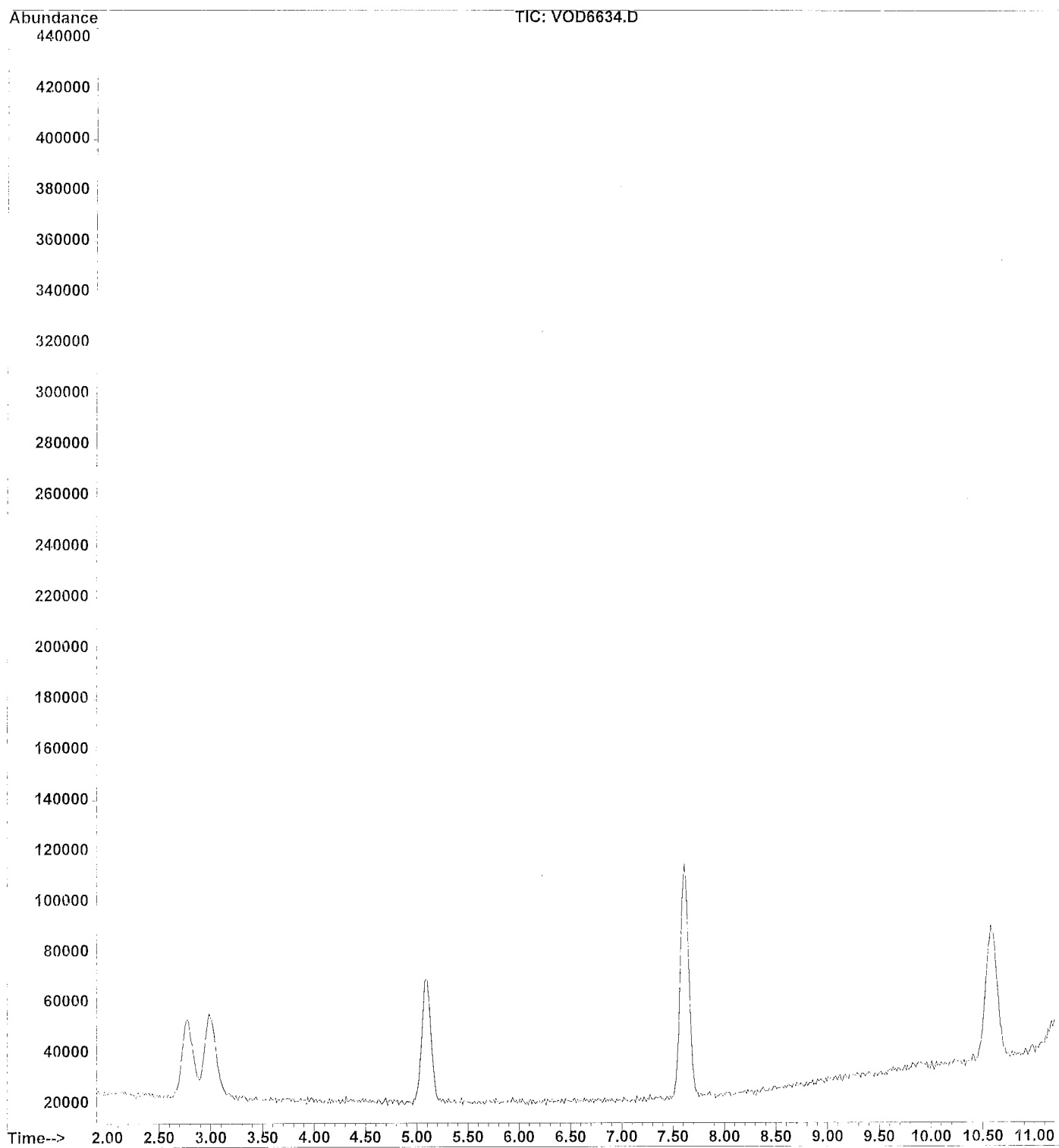
File : C:\HPCHEM\1\DATA\VOD6632.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 11:30 am using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV1-14937-5
Misc Info : Venice/CAL 13MAR02 0733 A5
Vial Number: 1



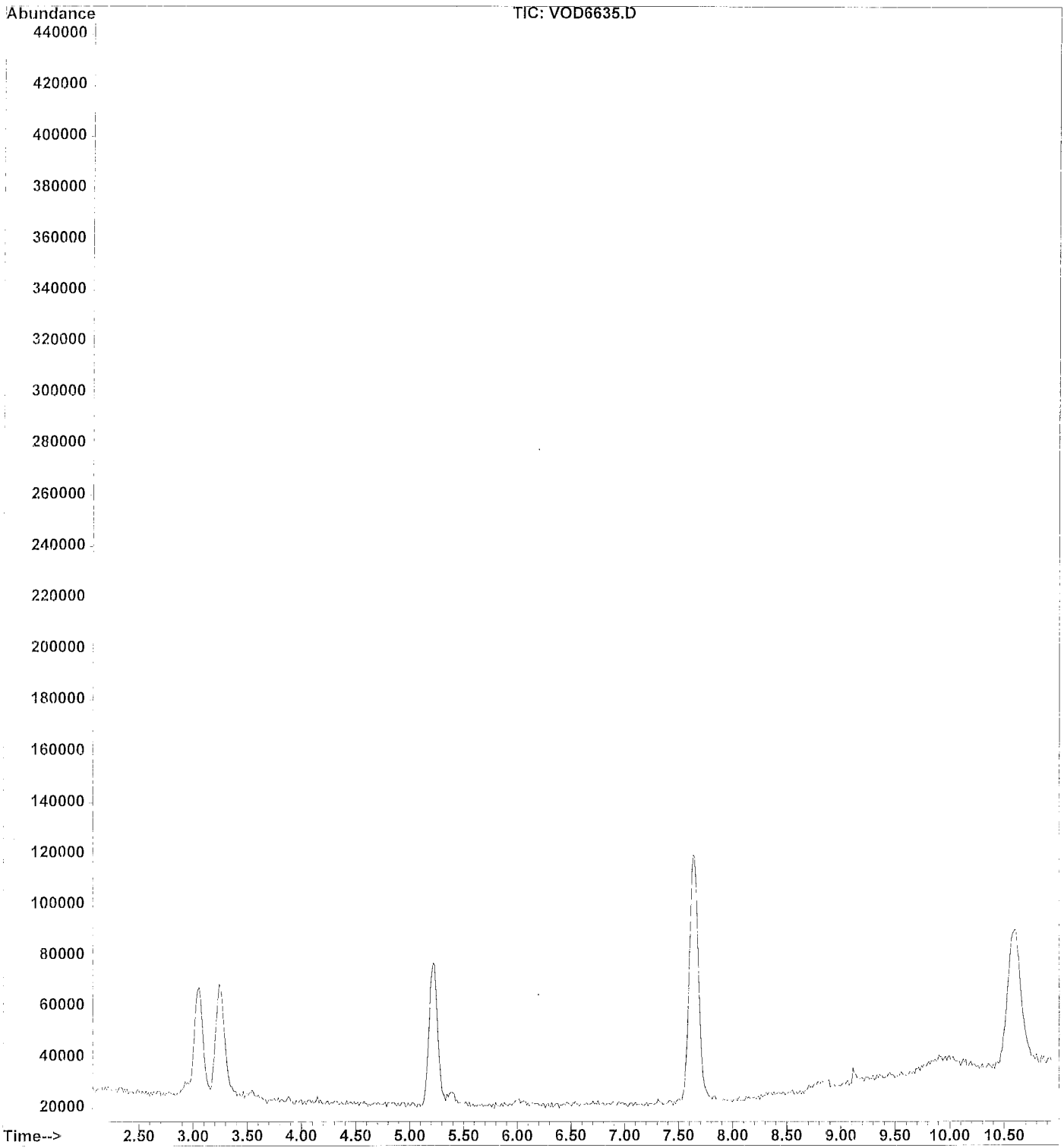
File : C:\HPCHEM\1\DATA\VOD6633.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 12:46 pm using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV9-14938-2
Misc Info : Venice/CAL 13MAR02 0738 L2
Vial Number: 1



File : C:\HPCHEM\1\DATA\VOD6634.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 12:59 pm using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV7-14939-5
Misc Info : Venice/CAL 13MAR02 0736 S3
Vial Number: 1



File : C:\HPCHEM\1\DATA\VOD6635.D
Operator : Raphe HGS
Acquired : 13 Mar 2002 1:16 pm using AcqMethod 022602
Instrument : GC/MS Ins
Sample Name: SV10-14940-3
Misc Info : Venice/CAL 13MAR02 0741 G7
Vial Number: 1





LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| 1,1-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloroethene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 2,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloropropene | <5 | <5 | <5 | <5 | 5 |
| Ethylbenzene | <2 | <2 | <2 | <2 | 2 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 10 |
| 2-Hexanone | <50 | <50 | <50 | <50 | 50 |
| Isopropylbenzene | <5 | <5 | <5 | <5 | 5 |
| Isopropyltoluene | <10 | <10 | <10 | <10 | 10 |
| Methyl tert-Butyl Ether | <5 | <5 | <5 | <5 | 5 |
| 4-Methyl-2-pentanone | <50 | <50 | <50 | <50 | 50 |
| Methylene chloride | <50 | <50 | <50 | <50 | 50 |
| Naphthalene | <10 | <10 | <10 | <10 | 10 |
| Propylbenzene | <5 | <5 | <5 | <5 | 5 |
| Styrene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| Tetrachloroethene | <5 | <5 | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|------------------------|----|----|----|----|---|
| Toluene | <2 | <2 | <2 | <2 | 2 |
| 1,2,3-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| Trichloroethene | <5 | <5 | <5 | <5 | 5 |
| Trichlorofluoromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2,3-Trichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3,5-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| Vinyl chloride | <5 | <5 | <5 | <5 | 5 |
| m,p-Xylenes | <2 | <2 | <2 | <2 | 2 |
| o-Xylene | <2 | <2 | <2 | <2 | 2 |
| sec-Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| tert-Butylbenzene | <5 | <5 | <5 | <5 | 5 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|------------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133430 | 133431 | 133432 | 133434 | |
| Client ID No.: | CEB7@6-8 | CEB7@8-10 | CEB7@10-12 | CEB8@2-4 | MRL |

Compounds:

| | | | | | |
|-----------------------------|-----|-----|-----|-----|----|
| Acetone | <50 | <50 | <50 | <50 | 50 |
| Benzene | <2 | <2 | <2 | <2 | 2 |
| Bromobenzene | <5 | <5 | <5 | <5 | 5 |
| Bromochloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromodichloromethane | <5 | <5 | <5 | <5 | 5 |
| Bromoform | <5 | <5 | <5 | <5 | 5 |
| Bromomethane | <5 | <5 | <5 | <5 | 5 |
| 2-Butanone | <50 | <50 | <50 | <50 | 50 |
| Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| Carbon disulfide | <5 | <5 | <5 | <5 | 5 |
| Carbon tetrachloride | <5 | <5 | <5 | <5 | 5 |
| Chlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Chloroethane | <5 | <5 | <5 | <5 | 5 |
| Chloroform | <5 | <5 | <5 | <5 | 5 |
| Chloromethane | <5 | <5 | <5 | <5 | 5 |
| 2-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 4-Chlorotoluene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromo-3-chloropropane | <10 | <10 | <10 | <10 | 10 |
| Dibromochloromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dibromoethane | <5 | <5 | <5 | <5 | 5 |
| Dibromomethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,4-Dichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| Dichlorodifluoromethane | <5 | <5 | <5 | <5 | 5 |


 George Havaliás
 Laboratory Director




LABORATORY ANALYSIS RESULTS

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Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------------------|----------|-----------|------------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133430 | 133431 | 133432 | 133434 | |
| Client ID No.: | CEB7@6-8 | CEB7@8-10 | CEB7@10-12 | CEB8@2-4 | MRL |
| Compounds: | | | | | |
| 1,1-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloroethene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloroethene | <5 | <5 | <5 | <5 | 5 |
| 1,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 2,2-Dichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(cis) | <5 | <5 | <5 | <5 | 5 |
| 1,3-Dichloropropene-(trans) | <5 | <5 | <5 | <5 | 5 |
| 1,1-Dichloropropene | <5 | <5 | <5 | <5 | 5 |
| Ethylbenzene | <2 | <2 | <2 | <2 | 2 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 10 |
| 2-Hexanone | <50 | <50 | <50 | <50 | 50 |
| Isopropylbenzene | <5 | <5 | <5 | <5 | 5 |
| Isopropyltoluene | <10 | <10 | <10 | <10 | 10 |
| Methyl tert-Butyl Ether | <5 | <5 | <5 | <5 | 5 |
| 4-Methyl-2-pentanone | <50 | <50 | <50 | <50 | 50 |
| Methylene chloride | <50 | <50 | <50 | <50 | 50 |
| Naphthalene | <10 | <10 | <10 | <10 | 10 |
| Propylbenzene | <5 | <5 | <5 | <5 | 5 |
| Styrene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2,2-Tetrachloroethane | <5 | <5 | <5 | <5 | 5 |
| Tetrachloroethene | <5 | <5 | <5 | <5 | 5 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

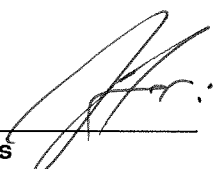
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|------------|----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133430 | 133431 | 133432 | 133434 | |
| Client ID No.: | CEB7@6-8 | CEB7@8-10 | CEB7@10-12 | CEB8@2-4 | MRL |

Compounds:

| | | | | | |
|------------------------|----|----|----|----|---|
| Toluene | <2 | <2 | <2 | <2 | 2 |
| 1,2,3-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | <5 | <5 | 5 |
| 1,1,1-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| 1,1,2-Trichloroethane | <5 | <5 | <5 | <5 | 5 |
| Trichloroethene | <5 | <5 | <5 | <5 | 5 |
| Trichlorofluoromethane | <5 | <5 | <5 | <5 | 5 |
| 1,2,3-Trichloropropane | <5 | <5 | <5 | <5 | 5 |
| 1,2,4-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| 1,3,5-Trimethylbenzene | <5 | <5 | <5 | <5 | 5 |
| Vinyl chloride | <5 | <5 | <5 | <5 | 5 |
| m,p-Xylenes | <2 | <2 | <2 | <2 | 2 |
| o-Xylene | <2 | <2 | <2 | <2 | 2 |
| sec-Butylbenzene | <5 | <5 | <5 | <5 | 5 |
| tert-Butylbenzene | <5 | <5 | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8260B

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133441 | 133442 | |
| Client ID No.: | CEB9@6-8 | CEB9@8-10 | MRL |

Compounds:

| | | | |
|-----------------------------|-----|-----|----|
| Acetone | <50 | <50 | 50 |
| Benzene | <2 | <2 | 2 |
| Bromobenzene | <5 | <5 | 5 |
| Bromochloromethane | <5 | <5 | 5 |
| Bromodichloromethane | <5 | <5 | 5 |
| Bromoform | <5 | <5 | 5 |
| Bromomethane | <5 | <5 | 5 |
| 2-Butanone | <50 | <50 | 50 |
| Butylbenzene | <5 | <5 | 5 |
| Carbon disulfide | <5 | <5 | 5 |
| Carbon tetrachloride | <5 | <5 | 5 |
| Chlorobenzene | <5 | <5 | 5 |
| Chloroethane | <5 | <5 | 5 |
| Chloroform | <5 | <5 | 5 |
| Chloromethane | <5 | <5 | 5 |
| 2-Chlorotoluene | <5 | <5 | 5 |
| 4-Chlorotoluene | <5 | <5 | 5 |
| 1,2-Dibromo-3-chloropropane | <10 | <10 | 10 |
| Dibromochloromethane | <5 | <5 | 5 |
| 1,2-Dibromoethane | <5 | <5 | 5 |
| Dibromomethane | <5 | <5 | 5 |
| 1,2-Dichlorobenzene | <5 | <5 | 5 |
| 1,3-Dichlorobenzene | <5 | <5 | 5 |
| 1,4-Dichlorobenzene | <5 | <5 | 5 |
| Dichlorodifluoromethane | <5 | <5 | 5 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133441 | 133442 | |
| Client ID No.: | CEB9@6-8 | CEB9@8-10 | MRL |

Compounds:

| | | | |
|-----------------------------|-----|-----|----|
| 1,1-Dichloroethane | <5 | <5 | 5 |
| 1,2-Dichloroethane | <5 | <5 | 5 |
| 1,2-Dichloroethene-(cis) | <5 | <5 | 5 |
| 1,2-Dichloroethene-(trans) | <5 | <5 | 5 |
| 1,1-Dichloroethene | <5 | <5 | 5 |
| 1,2-Dichloropropane | <5 | <5 | 5 |
| 1,3-Dichloropropane | <5 | <5 | 5 |
| 2,2-Dichloropropane | <5 | <5 | 5 |
| 1,3-Dichloropropene-(cis) | <5 | <5 | 5 |
| 1,3-Dichloropropene-(trans) | <5 | <5 | 5 |
| 1,1-Dichloropropene | <5 | <5 | 5 |
| Ethylbenzene | <2 | <2 | 2 |
| Hexachlorobutadiene | <10 | <10 | 10 |
| 2-Hexanone | <50 | <50 | 50 |
| Isopropylbenzene | <5 | <5 | 5 |
| Isopropyltoluene | <10 | <10 | 10 |
| Methyl tert-Butyl Ether | <5 | <5 | 5 |
| 4-Methyl-2-pentanone | <50 | <50 | 50 |
| Methylene chloride | <50 | <50 | 50 |
| Naphthalene | <10 | <10 | 10 |
| Propylbenzene | <5 | <5 | 5 |
| Styrene | <5 | <5 | 5 |
| 1,1,1,2-Tetrachloroethane | <5 | <5 | 5 |
| 1,1,2,2-Tetrachloroethane | <5 | <5 | 5 |
| Tetrachloroethene | <5 | <5 | 5 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8260B

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | |
|------------------------|----------|-----------|-----|
| Date Analyzed: | 03/25/02 | 03/25/02 | |
| AA ID No.: | 133441 | 133442 | |
| Client ID No.: | CEB9@6-8 | CEB9@8-10 | MRL |
| Compounds: | | | |
| Toluene | <2 | <2 | 2 |
| 1,2,3-Trichlorobenzene | <5 | <5 | 5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | 5 |
| 1,1,1-Trichloroethane | <5 | <5 | 5 |
| 1,1,2-Trichloroethane | <5 | <5 | 5 |
| Trichloroethene | <5 | <5 | 5 |
| Trichlorofluoromethane | <5 | <5 | 5 |
| 1,2,3-Trichloropropane | <5 | <5 | 5 |
| 1,2,4-Trimethylbenzene | <5 | <5 | 5 |
| 1,3,5-Trimethylbenzene | <5 | <5 | 5 |
| Vinyl chloride | <5 | <5 | 5 |
| m,p-Xylenes | <2 | <2 | 2 |
| o-Xylene | <2 | <2 | 2 |
| sec-Butylbenzene | <5 | <5 | 5 |
| tert-Butylbenzene | <5 | <5 | 5 |

MRL: Method Reporting Limit


George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8260B
Sample ID: Matrix Spike
Concentration: 40 ug/Kg

AA ID No.: 133874
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/25/02
Date Reported: 03/26/02

| Compounds | Result (ug/Kg) | Spike Recovery (%) | Dup. Result (ug/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept.Rec. Range (%) |
|------------------------|----------------|--------------------|---------------------|-------------------------|---------|-----------------------|
| Bromoform | 40.44 | 101 | 40.34 | 101 | 0 | 45 - 169 |
| Chlorobenzene | 39.86 | 100 | 37.96 | 95 | 5 | 37 - 160 |
| Chloroform | 44.12 | 110 | 43.24 | 108 | 2 | 51 - 138 |
| 1,1-Dichloroethane | 33.80 | 85 | 32.62 | 82 | 4 | 54 - 155 |
| 1,1-Dichloroethene | 30.86 | 77 | 34.22 | 86 | 11 | 2 - 234 |
| Isopropylbenzene | 44.12 | 110 | 43.36 | 108 | 2 | 50 - 150 |
| Propylbenzene | 43.50 | 109 | 42.02 | 105 | 4 | 50 - 150 |
| Tetrachloroethene | 43.02 | 108 | 44.14 | 110 | 2 | 64 - 148 |
| Toluene | 39.14 | 98 | 40.68 | 102 | 4 | 47 - 150 |
| 1,3,5-Trimethylbenzene | 44.10 | 110 | 42.40 | 106 | 4 | 50 - 150 |
| Vinyl chloride | 28.70 | 72 | 31.96 | 80 | 11 | 2 - 251 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

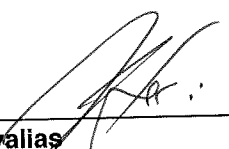
Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8015M(Carbon Chain)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/03 | 03/27/02 | 03/27/02 | |
| Date Extracted: | 03/19/02 | 03/19/03 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|---------|------|------|-----|-----|----|
| C06-C08 | <1 | <10 | <1 | <1 | 1 |
| C08-C10 | <1 | <10 | <1 | <1 | 1 |
| C10-C12 | 13 | <10 | 18 | <1 | 1 |
| C12-C14 | 2.4 | <10 | 3.7 | <1 | 1 |
| C14-C16 | 2.7 | 22 | 2.5 | 2.8 | 1 |
| C16-C18 | 4.3 | <10 | 2.8 | 1.2 | 1 |
| C18-C20 | 13 | 17 | 19 | <1 | 1 |
| C20-C22 | 35 | 54 | 12 | 2.7 | 1 |
| C22-C24 | 63 | 120 | 18 | 6.6 | 1 |
| C24-C26 | 96 | 280 | 41 | 21 | 1 |
| C26-C28 | 120 | 500 | 53 | 21 | 1 |
| C28-C32 | 420 | 1700 | 160 | 69 | 1 |
| C32-C34 | 170 | 780 | 71 | 30 | 1 |
| C34-C36 | 93 | 460 | 42 | <1 | 1 |
| C36-C40 | 200 | 1400 | 110 | 15 | 1 |
| C40-C44 | 110 | 870 | 78 | <1 | 1 |
| Total | 1300 | 6200 | 630 | 170 | 10 |



 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8015M(Carbon Chain)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/23/02 | 03/23/02 | 03/27/02 | 03/23/02 | |
| Date Extracted: | 03/19/02 | 03/19/02 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|---------|-----|------|-----|-----|----|
| C06-C08 | <1 | <20 | <1 | <1 | 1 |
| C08-C10 | <1 | <20 | <1 | 1.7 | 1 |
| C10-C12 | <1 | <20 | 8.8 | 15 | 1 |
| C12-C14 | <1 | <20 | 2.7 | 8.0 | 1 |
| C14-C16 | 1.4 | <20 | 5.7 | 30 | 1 |
| C16-C18 | 5.1 | 120 | 1.9 | 11 | 1 |
| C18-C20 | 3.9 | 140 | 3.0 | 16 | 1 |
| C20-C22 | 6.3 | 260 | 13 | 28 | 1 |
| C22-C24 | 4.5 | 340 | 24 | 53 | 1 |
| C24-C26 | 4.4 | 390 | 51 | 52 | 1 |
| C26-C28 | 4.1 | 490 | 58 | 78 | 1 |
| C28-C32 | 16 | 1100 | 150 | 190 | 1 |
| C32-C34 | 20 | 370 | 62 | 77 | 1 |
| C34-C36 | <1 | 210 | 33 | 43 | 1 |
| C36-C40 | <1 | <20 | 82 | 65 | 1 |
| C40-C44 | <1 | <20 | 54 | 28 | 1 |
| Total | 66 | 3400 | 550 | 700 | 10 |


 George Havaliás
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8015M(Carbon Chain)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| | | | | | |
|-----------------|----------|-----------|----------|-----------|-----|
| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
| Date Analyzed: | 03/23/02 | 03/23/02 | 03/23/02 | 03/27/02 | |
| Date Extracted: | 03/19/02 | 03/19/02 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|---------|-----|-----|-----|-----|----|
| C06-C08 | <1 | <1 | <1 | <1 | 1 |
| C08-C10 | <1 | <1 | <1 | <1 | 1 |
| C10-C12 | <1 | <1 | 11 | 9.6 | 1 |
| C12-C14 | 10 | 1.1 | 1.0 | 5.0 | 1 |
| C14-C16 | 1.2 | 5.5 | 3.9 | 5.6 | 1 |
| C16-C18 | <1 | 1.6 | <1 | 2.3 | 1 |
| C18-C20 | 6.3 | 7.2 | 11 | 13 | 1 |
| C20-C22 | 15 | 13 | 6.4 | 10 | 1 |
| C22-C24 | 35 | 16 | 9.7 | 20 | 1 |
| C24-C26 | 46 | 27 | 42 | 37 | 1 |
| C26-C28 | 93 | 32 | 36 | 40 | 1 |
| C28-C32 | 260 | 76 | 120 | 88 | 1 |
| C32-C34 | 110 | 37 | 51 | 18 | 1 |
| C34-C36 | 67 | 20 | 28 | 4.6 | 1 |
| C36-C40 | 160 | 93 | 69 | 72 | 1 |
| C40-C44 | 90 | 57 | 56 | 52 | 1 |
| Total | 890 | 390 | 450 | 380 | 10 |


 George Havajias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

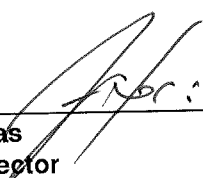
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8015M(Carbon Chain)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|-----------|------------|----------|-----|
| Date Analyzed: | 03/23/02 | 03/23/02 | 03/23/02 | 03/27/02 | |
| Date Extracted: | 03/19/02 | 03/19/02 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133430 | 133431 | 133432 | 133434 | |
| Client ID No.: | CEB7@6-8 | CEB7@8-10 | CEB7@10-12 | CEB8@2-4 | MRL |

Compounds:

| | | | | | |
|---------|-----|-----|-----|------|----|
| C06-C08 | <1 | <1 | <1 | <1 | 1 |
| C08-C10 | <1 | <1 | <1 | 5.2 | 1 |
| C10-C12 | <1 | <1 | <1 | 9.3 | 1 |
| C12-C14 | 43 | <1 | <1 | 4.7 | 1 |
| C14-C16 | 68 | <1 | <1 | 13 | 1 |
| C16-C18 | 87 | <1 | <1 | 4.0 | 1 |
| C18-C20 | 28 | <1 | <1 | 22 | 1 |
| C20-C22 | 18 | <1 | <1 | 33 | 1 |
| C22-C24 | 4.6 | <1 | <1 | 52 | 1 |
| C24-C26 | 2.0 | 13 | <1 | 120 | 1 |
| C26-C28 | <1 | 3.4 | <1 | 140 | 1 |
| C28-C32 | <1 | 21 | <1 | 470 | 1 |
| C32-C34 | <1 | <1 | <1 | 170 | 1 |
| C34-C36 | <1 | <1 | <1 | 37 | 1 |
| C36-C40 | <1 | <1 | <1 | 320 | 1 |
| C40-C44 | <1 | <1 | <1 | 210 | 1 |
| Total | 250 | 37 | <10 | 1600 | 10 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8015M(Carbon Chain)

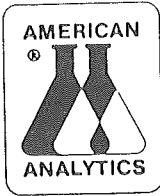
AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|----------|-----------|-----------|-----|
| Date Analyzed: | 03/23/02 | 03/27/02 | 03/23/02 | 03/27/02 | |
| Date Extracted: | 03/19/02 | 03/19/02 | 03/19/02 | 03/19/02 | |
| AA ID No.: | 133436 | 133441 | 133442 | 133445 | |
| Client ID No.: | CEB8@6-8 | CEB9@6-8 | CEB9@8-10 | CEB10@4-6 | MRL |

Compounds:

| | | | | | |
|---------|-----|-----|-----|-----|----|
| C06-C08 | <1 | <1 | <1 | <1 | 1 |
| C08-C10 | <1 | <1 | <1 | <1 | 1 |
| C10-C12 | <1 | <1 | <1 | 24 | 1 |
| C12-C14 | <1 | <1 | <1 | 8.2 | 1 |
| C14-C16 | <1 | 18 | <1 | 9.7 | 1 |
| C16-C18 | <1 | 2.1 | <1 | 4.6 | 1 |
| C18-C20 | <1 | <1 | <1 | <1 | 1 |
| C20-C22 | <1 | 3.5 | <1 | 8.9 | 1 |
| C22-C24 | 1.4 | 3.6 | <1 | 25 | 1 |
| C24-C26 | 56 | 30 | <1 | 82 | 1 |
| C26-C28 | 3.9 | 24 | <1 | 76 | 1 |
| C28-C32 | 9.4 | 95 | <1 | 210 | 1 |
| C32-C34 | 2.4 | 44 | <1 | 100 | 1 |
| C34-C36 | <1 | 16 | <1 | 49 | 1 |
| C36-C40 | <1 | 62 | <1 | 230 | 1 |
| C40-C44 | <1 | 42 | <1 | 150 | 1 |
| Total | 23 | 340 | <10 | 980 | 10 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8015M(Carbon Chain)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| | | |
|-----------------|------------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/23/02 | |
| Date Extracted: | 03/19/02 | |
| AA ID No.: | 133447 | |
| Client ID No.: | CEB10@8-10 | MRL |

Compounds:

| | | |
|---------|-----|----|
| C06-C08 | <1 | 1 |
| C08-C10 | <1 | 1 |
| C10-C12 | <1 | 1 |
| C12-C14 | <1 | 1 |
| C14-C16 | <1 | 1 |
| C16-C18 | <1 | 1 |
| C18-C20 | <1 | 1 |
| C20-C22 | <1 | 1 |
| C22-C24 | 1.8 | 1 |
| C24-C26 | 4.5 | 1 |
| C26-C28 | 6.3 | 1 |
| C28-C32 | 15 | 1 |
| C32-C34 | <1 | 1 |
| C34-C36 | <1 | 1 |
| C36-C40 | <1 | 1 |
| C40-C44 | <1 | 1 |
| Total | 28 | 10 |

MRL: Method Reporting Limit


George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8015M(Carbon Chain)
Sample ID: Matrix Spike
Concentration: 200 mg/Kg

AA ID No.: 133432
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/23/02
Date Reported: 03/29/02

| Compounds | Result (mg/Kg) | Spike Recovery (%) | Dup. Result (mg/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept.Rec. Range (%) |
|-----------------------|----------------|--------------------|---------------------|-------------------------|---------|-----------------------|
| Diesel Range Organics | 146 | 73 | 162 | 81 | 10 | 50 - 150 |


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Laboratory Director

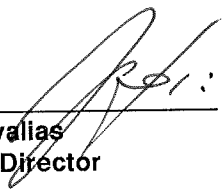


LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8015M(Carbon Chain)
Sample ID: Matrix Spike
Concentration: 200 mg/Kg

AA ID No.: 133434
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/27/02
Date Reported: 03/29/02

| Compounds | Result (mg/Kg) | Spike Recovery (%) | Dup. Result (mg/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept.Rec. Range (%) |
|-----------------------|----------------|--------------------|---------------------|-------------------------|---------|-----------------------|
| Diesel Range Organics | 258 | 129 | 241 | 121 | 6 | 50 - 150 |


George Havalias
Laboratory Director




LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 7420 (Total Lead)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/02/02
Units: mg/Kg

| AA I.D. No. | Client I.D. No. | Date Sampled | Date Analyzed | Results | MRL |
|-------------|-----------------|--------------|---------------|---------|-----|
| 133398 | CEB1@2-4 | 03/13/02 | 04/02/02 | 32 | 3 |
| 133399 | CEB1@4-6 | 03/13/02 | 04/02/02 | 41 | 3 |
| 133401 | CEB2@0-2 | 03/13/02 | 04/02/02 | 76 | 3 |
| 133403 | CEB2@4-6 | 03/13/02 | 04/02/02 | 67 | 3 |
| 133404 | CEB2@6-8 | 03/13/02 | 04/02/02 | 400 | 3 |
| 133406 | CEB3@0-2 | 03/13/02 | 04/02/02 | 2200 | 3 |
| 133407 | CEB3@2-4 | 03/13/02 | 04/02/02 | 100 | 3 |
| 133409 | CEB3@6-8 | 03/13/02 | 04/02/02 | 430 | 3 |
| 133412 | CEB4@2-4 | 03/13/02 | 04/02/02 | 150 | 3 |
| 133415 | CEB4@8-10 | 03/13/02 | 04/02/02 | 7600 | 3 |
| 133416 | CEB5@0-2 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133417 | CEB5@3-4 | 03/13/02 | 04/02/02 | 430 | 3 |
| 133419 | CEB5@6-8 | 03/13/02 | 04/02/02 | 1400 | 3 |
| 133421 | CEB6@0-2 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133422 | CEB6@2-4 | 03/13/02 | 04/02/02 | 90 | 3 |
| 133423 | CEB6@4-6 | 03/13/02 | 04/02/02 | 1100 | 3 |
| 133426 | CEB6@13-14 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133430 | CEB7@6-8 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133431 | CEB7@8-10 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133432 | CEB7@10-12 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133436 | CEB8@6-8 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133441 | CEB9@6-8 | 03/13/02 | 04/02/02 | <3 | 3 |
| 133443 | CEB10@0-2 | 03/13/02 | 04/02/02 | 3200 | 3 |
| 133445 | CEB10@4-6 | 03/13/02 | 04/02/02 | 2700 | 3 |
| 133446 | CEB10@6-8 | 03/13/02 | 04/02/02 | 1600 | 3 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 7420 (Total Lead)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/02/02
Units: mg/Kg

| AA I.D. No. | Client I.D. No. | Date Sampled | Date Analyzed | Results | MRL |
|-------------|-----------------|--------------|---------------|---------|-----|
| 133447 | CEB10@8-10 | 03/13/02 | 04/02/02 | 1800 | 3 |

MRL: Method Reporting Limit


George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 7420 (Total Lead)
Sample ID: Matrix Spike
Concentration: 50 mg/Kg

AA ID No.: 133398
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 04/02/02
Date Reported: 04/03/02

| Compounds | Result (mg/Kg) | Spike Recovery (%) | Dup. Result (mg/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept. Rec. Range (%) |
|-----------|----------------|--------------------|---------------------|-------------------------|---------|------------------------|
| Lead | 44 | 88 | 47 | 94 | 7 | 50 - 150 |


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Laboratory Director



LABORATORY ANALYSIS RESULTS

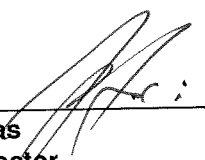
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: CAM Metals

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/01/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|------------|------|-------|------|------|------|
| Antimony | <10 | <10 | <10 | <10 | 10 |
| Arsenic | 7.6 | 4.9 | 1.4 | 2.2 | 0.5 |
| Barium | 110 | 110 | 89 | 140 | 10 |
| Beryllium | <1 | <1 | <1 | <1 | 1 |
| Cadmium | <1 | <1 | <1 | <1 | 1 |
| Chromium | 18 | 25 | 14 | 22 | 3 |
| Cobalt | 3.6 | 5.9 | 3.2 | <3 | 3 |
| Copper | 32 | 23 | 62 | 110 | 3 |
| Lead | 500 | 81 | 1600 | 9300 | 3 |
| Mercury | 0.10 | <0.05 | 0.16 | 0.59 | 0.05 |
| Molybdenum | <5 | <5 | <5 | <5 | 5 |
| Nickel | 19 | 16 | 11 | 18 | 3 |
| Selenium | <0.5 | <0.5 | <0.5 | <0.5 | 0.5 |
| Silver | <1 | <1 | <1 | <1 | 1 |
| Thallium | <5 | <5 | <5 | <5 | 5 |
| Vanadium | 27 | 38 | 27 | 37 | 10 |
| Zinc | 170 | 150 | 210 | 480 | 3 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

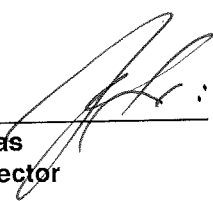
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: CAM Metals

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/01/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|------------|------|-------|------|------|------|
| Antimony | <10 | <10 | <10 | <10 | 10 |
| Arsenic | 5.1 | 1.1 | 2.4 | 3.4 | 0.5 |
| Barium | 150 | 62 | 120 | 200 | 10 |
| Beryllium | <1 | <1 | <1 | <1 | 1 |
| Cadmium | <1 | <1 | <1 | <1 | 1 |
| Chromium | 7.3 | 10 | 17 | 19 | 3 |
| Cobalt | <3 | <3 | 3.1 | 4.4 | 3 |
| Copper | 24 | 8.4 | 24 | 59 | 3 |
| Lead | 230 | 59 | 150 | 490 | 3 |
| Mercury | 0.07 | <0.05 | 0.09 | 0.18 | 0.05 |
| Molybdenum | <5 | <5 | <5 | <5 | 5 |
| Nickel | 5.2 | 8.9 | 12 | 11 | 3 |
| Selenium | <0.5 | <0.5 | <0.5 | <0.5 | 0.5 |
| Silver | <1 | <1 | <1 | <1 | 1 |
| Thallium | <5 | <5 | <5 | <5 | 5 |
| Vanadium | 16 | 23 | 23 | 16 | 10 |
| Zinc | 260 | 43 | 230 | 1400 | 3 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: CAM Metals

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/01/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|------------|-------|------|------|-------|------|
| Antimony | <10 | <10 | <10 | <10 | 10 |
| Arsenic | 2.0 | 4.6 | 3.5 | 4.9 | 0.5 |
| Barium | 64 | 90 | 64 | 150 | 10 |
| Beryllium | <1 | <1 | <1 | <1 | 1 |
| Cadmium | <1 | <1 | <1 | <1 | 1 |
| Chromium | 12 | 11 | 13 | 38 | 3 |
| Cobalt | 3.9 | <3 | 3.8 | 7.8 | 3 |
| Copper | 17 | 30 | 17 | 23 | 3 |
| Lead | 130 | 500 | 160 | 21 | 3 |
| Mercury | <0.05 | 0.07 | 0.08 | <0.05 | 0.05 |
| Molybdenum | <5 | <5 | <5 | <5 | 5 |
| Nickel | 7.9 | 12 | 9.7 | 29 | 3 |
| Selenium | <0.5 | <0.5 | <0.5 | <0.5 | 0.5 |
| Silver | <1 | <1 | <1 | <1 | 1 |
| Thallium | <5 | <5 | <5 | <5 | 5 |
| Vanadium | 21 | 14 | 22 | 67 | 10 |
| Zinc | 70 | 260 | 110 | 80 | 3 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: CAM Metals

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/01/02
Units: mg/Kg

| | | |
|----------------|----------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/27/02 | |
| AA ID No.: | 133434 | |
| Client ID No.: | CEB8@2-4 | MRL |

Compounds:

| | | |
|------------|-------|------|
| Antimony | <10 | 10 |
| Arsenic | 8.4 | 0.5 |
| Barium | 190 | 10 |
| Beryllium | <1 | 1 |
| Cadmium | <1 | 3 |
| Chromium | 35 | 3 |
| Cobalt | 6.9 | 3 |
| Copper | 22 | 3 |
| Lead | <3 | 0.05 |
| Mercury | <0.05 | 5 |
| Molybdenum | <5 | 3 |
| Nickel | 29 | 0.5 |
| Selenium | <0.5 | 1 |
| Silver | <1 | 5 |
| Thallium | <5 | 10 |
| Vanadium | 68 | 3 |
| Zinc | 51 | |

MRL: Method Reporting Limit


George Havalias
Laboratory Director

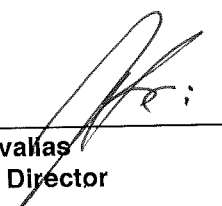


LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: CAM Metals
Sample ID: Matrix Spike
Concentration: 50 mg/Kg

AA ID No.: 133400
Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/27/02
Date Reported: 03/28/02

| Compounds | Result (mg/Kg) | Spike Recovery (%) | Dup. Result (mg/Kg) | Spike/Dup. Recovery (%) | RPD (%) | Accept. Rec. Range (%) |
|------------|----------------|--------------------|---------------------|-------------------------|---------|------------------------|
| Antimony | 29.9 | 60 | 28.9 | 58 | 3 | 20 - 120 |
| Arsenic | 79.6 | 159 | 87.4 | 175 | 10 | 50 - 150 |
| Barium | 45.6 | 91 | 53.4 | 107 | 16 | 50 - 150 |
| Beryllium | 53.2 | 106 | 51.7 | 103 | 3 | 50 - 150 |
| Cadmium | 49.2 | 98 | 48.2 | 96 | 2 | 50 - 150 |
| Chromium | 62.6 | 125 | 54.1 | 108 | 15 | 50 - 150 |
| Cobalt | 52.5 | 105 | 50.2 | 100 | 5 | 50 - 150 |
| Copper | 49.1 | 98 | 49.2 | 98 | 0 | 50 - 150 |
| Lead | 51.3 | 103 | 51.3 | 103 | 0 | 50 - 150 |
| Mercury | 42.1 | 84 | 55.6 | 111 | 28 | 50 - 150 |
| Molybdenum | 45.3 | 91 | 47.2 | 94 | 3 | 50 - 150 |
| Nickel | 52.8 | 106 | 49.8 | 100 | 6 | 50 - 150 |
| Selenium | 40.2 | 80 | 41.9 | 84 | 5 | 50 - 150 |
| Silver | 42.2 | 84 | 55.7 | 111 | 28 | 50 - 150 |
| Thallium | 45.8 | 92 | 47.8 | 96 | 4 | 50 - 150 |
| Vanadium | 58.1 | 116 | 52.8 | 106 | 9 | 50 - 150 |
| Zinc | 104.3 | 209 | 66.9 | 134 | 44 | 50 - 150 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

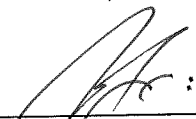
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/27/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|-----------------------------|------|------|------|------|-----|
| Acenaphthene | <10 | <10 | <10 | <10 | 0.1 |
| Acenaphthylene | <10 | <10 | <10 | <10 | 0.1 |
| Aniline | <20 | <20 | <20 | <20 | 0.2 |
| Anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Azobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Benzidine | <40 | <40 | <40 | <40 | 0.4 |
| Benzo(a)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(a)pyrene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(b)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(g,h,i)perylene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(k)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzoic acid | <100 | <100 | <100 | <100 | 1 |
| Benzyl Alcohol | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethoxy)methane | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroisopropyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-ethylhexyl)phthalate | <20 | <20 | <20 | <20 | 0.2 |
| 4-Bromophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |
| Butyl benzyl phthalate | <50 | <50 | <50 | <50 | 0.5 |
| 4-Chloro-3-methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Chloroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 2-Chloronaphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Chlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| 4-Chlorophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |
| Chrysene | <10 | <10 | <10 | <10 | 0.1 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/27/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | |

Compounds:

| | | | | | |
|----------------------------|------|------|------|------|-----|
| Di-n-butyl phthalate | <200 | <200 | <200 | <200 | 2 |
| Di-n-octyl phthalate | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzo(a,h)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzofuran | <10 | <10 | <10 | <10 | 0.1 |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 3,3'-Dichlorobenzidine | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dichlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Diethylphthalate | <80 | <80 | <80 | <80 | 0.8 |
| 2,4-Dimethylphenol | <10 | <10 | <10 | <10 | 0.1 |
| Dimethylphthalate | <20 | <20 | <20 | <20 | 0.2 |
| 2,4-Dinitrophenol | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| 2,6-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| Fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Fluorene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorocyclopentadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachloroethane | <10 | <10 | <10 | <10 | 0.1 |
| Indeno(1,2,3-cd)pyrene | <40 | <40 | <40 | <40 | 0.4 |
| Isophorone | <10 | <10 | <10 | <10 | 0.1 |
| 2-Methyl-4,6-dinitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| 2-Methylnaphthalene | <10 | <10 | <10 | <10 | 0.1 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

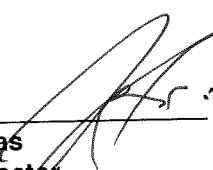
Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8270

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|----------|-----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/27/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| 2-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| N-Nitrosodi-n-propylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodimethylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodiphenylamine | <10 | <10 | <10 | <10 | 0.1 |
| Naphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitroaniline | <10 | <10 | <10 | <10 | 0.1 |
| 3-Nitroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 4-Nitroaniline | <20 | <20 | <20 | <20 | 0.2 |
| Nitrobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| Pentachlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Phenanthrene | <10 | <10 | <10 | <10 | 0.1 |
| Phenol | <10 | <10 | <10 | <10 | 0.1 |
| Pyrene | <10 | <10 | <10 | <10 | 0.1 |
| 1,2,4-Trichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2,4,5-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |
| 2,4,6-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/29/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | |

Compounds:

| | | | | | |
|-----------------------------|------|------|------|------|-----|
| Acenaphthene | <10 | <10 | <10 | <10 | 0.1 |
| Acenaphthylene | <10 | <10 | <10 | <10 | 0.1 |
| Aniline | <20 | <20 | <20 | <20 | 0.2 |
| Anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Azobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Benzidine | <40 | <40 | <40 | <40 | 0.4 |
| Benzo(a)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(a)pyrene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(b)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(g,h,i)perylene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(k)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzoic acid | <100 | <100 | <100 | <100 | 1 |
| Benzyl Alcohol | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethoxy)methane | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroisopropyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-ethylhexyl)phthalate | <20 | <20 | <20 | <20 | 0.2 |
| 4-Bromophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |
| Butyl benzyl phthalate | <50 | <50 | <50 | <50 | 0.5 |
| 4-Chloro-3-methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Chloroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 2-Chloronaphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Chlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| 4-Chlorophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

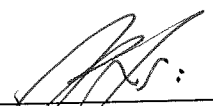
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/29/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | MRL |

Compounds:

| | | | | | |
|----------------------------|------|------|------|------|-----|
| Chrysene | <10 | <10 | <10 | <10 | 0.1 |
| Di-n-butyl phthalate | <200 | <200 | <200 | <200 | 2 |
| Di-n-octyl phthalate | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzo(a,h)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzofuran | <10 | <10 | <10 | <10 | 0.1 |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 3,3'-Dichlorobenzidine | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dichlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Diethylphthalate | <80 | <80 | <80 | <80 | 0.8 |
| 2,4-Dimethylphenol | <10 | <10 | <10 | <10 | 0.1 |
| Dimethylphthalate | <20 | <20 | <20 | <20 | 0.2 |
| 2,4-Dinitrophenol | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| 2,6-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| Fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Fluorene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorocyclopentadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachloroethane | <10 | <10 | <10 | <10 | 0.1 |
| Indeno(1,2,3-cd)pyrene | <40 | <40 | <40 | <40 | 0.4 |
| Isophorone | <10 | <10 | <10 | <10 | 0.1 |
| 2-Methyl-4,6-dinitrophenol | <20 | <20 | <20 | <20 | 0.2 |


 George Havallas
 Laboratory Director



LABORATORY ANALYSIS RESULTS

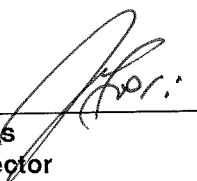
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

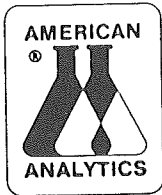
AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/27/02 | 03/27/02 | 03/29/02 | 03/27/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | |

Compounds:

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| 2-Methylnaphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| N-Nitrosodi-n-propylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodimethylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodiphenylamine | <10 | <10 | <10 | <10 | 0.1 |
| Naphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitroaniline | <10 | <10 | <10 | <10 | 0.1 |
| 3-Nitroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 4-Nitroaniline | <20 | <20 | <20 | <20 | 0.2 |
| Nitrobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| Pentachlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Phenanthrene | <10 | <10 | <10 | <10 | 0.1 |
| Phenol | <10 | <10 | <10 | <10 | 0.1 |
| Pyrene | <10 | <10 | <10 | <10 | 0.1 |
| 1,2,4-Trichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2,4,5-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |
| 2,4,6-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

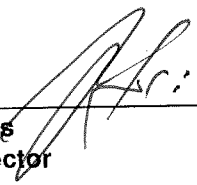
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/29/02 | 03/29/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|-----------------------------|------|------|------|------|-----|
| Acenaphthene | <10 | <10 | <10 | <10 | 0.1 |
| Acenaphthylene | <10 | <10 | <10 | <10 | 0.1 |
| Aniline | <20 | <20 | <20 | <20 | 0.2 |
| Anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Azobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Benzidine | <40 | <40 | <40 | <40 | 0.4 |
| Benzo(a)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(a)pyrene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(b)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(g,h,i)perylene | <10 | <10 | <10 | <10 | 0.1 |
| Benzo(k)fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Benzoic acid | <100 | <100 | <100 | <100 | 1 |
| Benzyl Alcohol | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethoxy)methane | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroethyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-chloroisopropyl)ether | <10 | <10 | <10 | <10 | 0.1 |
| Bis(2-ethylhexyl)phthalate | <20 | <20 | <20 | <20 | 0.2 |
| 4-Bromophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |
| Butyl benzyl phthalate | <50 | <50 | <50 | <50 | 0.5 |
| 4-Chloro-3-methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Chloroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 2-Chloronaphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Chlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| 4-Chlorophenyl phenyl ether | <10 | <10 | <10 | <10 | 0.1 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/29/02 | 03/29/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | |

Compounds:

| | | | | | |
|----------------------------|------|------|------|------|-----|
| Chrysene | <10 | <10 | <10 | <10 | 0.1 |
| Di-n-butyl phthalate | <200 | <200 | <200 | <200 | 2 |
| Di-n-octyl phthalate | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzo(a,h)anthracene | <10 | <10 | <10 | <10 | 0.1 |
| Dibenzofuran | <10 | <10 | <10 | <10 | 0.1 |
| 1,2-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,3-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 1,4-Dichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 3,3'-Dichlorobenzidine | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dichlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Diethylphthalate | <80 | <80 | <80 | <80 | 0.8 |
| 2,4-Dimethylphenol | <10 | <10 | <10 | <10 | 0.1 |
| Dimethylphthalate | <20 | <20 | <20 | <20 | 0.2 |
| 2,4-Dinitrophenol | <40 | <40 | <40 | <40 | 0.4 |
| 2,4-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| 2,6-Dinitrotoluene | <10 | <10 | <10 | <10 | 0.1 |
| Fluoranthene | <10 | <10 | <10 | <10 | 0.1 |
| Fluorene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorobutadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachlorocyclopentadiene | <10 | <10 | <10 | <10 | 0.1 |
| Hexachloroethane | <10 | <10 | <10 | <10 | 0.1 |
| Indeno(1,2,3-cd)pyrene | <40 | <40 | <40 | <40 | 0.4 |
| Isophorone | <10 | <10 | <10 | <10 | 0.1 |
| 2-Methyl-4,6-dinitrophenol | <20 | <20 | <20 | <20 | 0.2 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8270

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 03/29/02
 Units: mg/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
|-----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/27/02 | 03/29/02 | 03/29/02 | 03/29/02 | |
| Date Extracted: | 03/27/02 | 03/27/02 | 03/27/02 | 03/27/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | MRL |

Compounds:

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| 2-Methylnaphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Methylphenol | <20 | <20 | <20 | <20 | 0.2 |
| N-Nitrosodi-n-propylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodimethylamine | <10 | <10 | <10 | <10 | 0.1 |
| N-Nitrosodiphenylamine | <10 | <10 | <10 | <10 | 0.1 |
| Naphthalene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitroaniline | <10 | <10 | <10 | <10 | 0.1 |
| 3-Nitroaniline | <40 | <40 | <40 | <40 | 0.4 |
| 4-Nitroaniline | <20 | <20 | <20 | <20 | 0.2 |
| Nitrobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| 4-Nitrophenol | <20 | <20 | <20 | <20 | 0.2 |
| Pentachlorophenol | <10 | <10 | <10 | <10 | 0.1 |
| Phenanthrene | <10 | <10 | <10 | <10 | 0.1 |
| Phenol | <10 | <10 | <10 | <10 | 0.1 |
| Pyrene | <10 | <10 | <10 | <10 | 0.1 |
| 1,2,4-Trichlorobenzene | <10 | <10 | <10 | <10 | 0.1 |
| 2,4,5-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |
| 2,4,6-Trichlorophenol | <20 | <20 | <20 | <20 | 0.2 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 10

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8270

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| | | |
|-----------------|----------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/27/02 | |
| Date Extracted: | 03/27/02 | |
| AA ID No.: | 133434 | |
| Client ID No.: | CEB8@2-4 | MRL |

Compounds:

| | | |
|-----------------------------|------|-----|
| Acenaphthene | <10 | 0.1 |
| Acenaphthylene | <10 | 0.1 |
| Aniline | <20 | 0.2 |
| Anthracene | <10 | 0.1 |
| Azobenzene | <10 | 0.1 |
| Benzidine | <40 | 0.4 |
| Benzo(a)anthracene | <10 | 0.1 |
| Benzo(a)pyrene | <10 | 0.1 |
| Benzo(b)fluoranthene | <10 | 0.1 |
| Benzo(g,h,i)perylene | <10 | 0.1 |
| Benzo(k)fluoranthene | <10 | 0.1 |
| Benzoic acid | <100 | 1 |
| Benzyl Alcohol | <10 | 0.1 |
| Bis(2-chloroethoxy)methane | <10 | 0.1 |
| Bis(2-chloroethyl)ether | <10 | 0.1 |
| Bis(2-chloroisopropyl)ether | <10 | 0.1 |
| Bis(2-ethylhexyl)phthalate | <20 | 0.2 |
| 4-Bromophenyl phenyl ether | <10 | 0.1 |
| Butyl benzyl phthalate | <50 | 0.5 |
| 4-Chloro-3-methylphenol | <20 | 0.2 |
| 4-Chloroaniline | <40 | 0.4 |
| 2-Chloronaphthalene | <10 | 0.1 |
| 2-Chlorophenol | <10 | 0.1 |
| 4-Chlorophenyl phenyl ether | <10 | 0.1 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8270

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| | | |
|-----------------|----------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/27/02 | |
| Date Extracted: | 03/27/02 | |
| AA ID No.: | 133434 | |
| Client ID No.: | CEB8@2-4 | MRL |

Compounds:

| | | |
|----------------------------|------|-----|
| Chrysene | <10 | 0.1 |
| Di-n-butyl phthalate | <200 | 2 |
| Di-n-octyl phthalate | <10 | 0.1 |
| Dibenzo(a,h)anthracene | <10 | 0.1 |
| Dibenzofuran | <10 | 0.1 |
| 1,2-Dichlorobenzene | <10 | 0.1 |
| 1,3-Dichlorobenzene | <10 | 0.1 |
| 1,4-Dichlorobenzene | <10 | 0.1 |
| 3,3'-Dichlorobenzidine | <40 | 0.4 |
| 2,4-Dichlorophenol | <10 | 0.1 |
| Diethylphthalate | <80 | 0.8 |
| 2,4-Dimethylphenol | <10 | 0.1 |
| Dimethylphthalate | <20 | 0.2 |
| 2,4-Dinitrophenol | <40 | 0.4 |
| 2,4-Dinitrotoluene | <10 | 0.1 |
| 2,6-Dinitrotoluene | <10 | 0.1 |
| Fluoranthene | <10 | 0.1 |
| Fluorene | <10 | 0.1 |
| Hexachlorobenzene | <10 | 0.1 |
| Hexachlorobutadiene | <10 | 0.1 |
| Hexachlorocyclopentadiene | <10 | 0.1 |
| Hexachloroethane | <10 | 0.1 |
| Indeno(1,2,3-cd)pyrene | <40 | 0.4 |
| Isophorone | <10 | 0.1 |
| 2-Methyl-4,6-dinitrophenol | <20 | 0.2 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 12

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8270

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 03/29/02
Units: mg/Kg

| | | |
|-----------------|----------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/27/02 | |
| Date Extracted: | 03/27/02 | |
| AA ID No.: | 133434 | |
| Client ID No.: | CEB8@2-4 | MRL |

Compounds:

| | | |
|---------------------------|-----|-----|
| 2-Methylnaphthalene | <10 | 0.1 |
| 2-Methylphenol | <20 | 0.2 |
| 4-Methylphenol | <20 | 0.2 |
| N-Nitrosodi-n-propylamine | <10 | 0.1 |
| N-Nitrosodimethylamine | <10 | 0.1 |
| N-Nitrosodiphenylamine | <10 | 0.1 |
| Naphthalene | <10 | 0.1 |
| 2-Nitroaniline | <10 | 0.1 |
| 3-Nitroaniline | <40 | 0.4 |
| 4-Nitroaniline | <20 | 0.2 |
| Nitrobenzene | <10 | 0.1 |
| 2-Nitrophenol | <20 | 0.2 |
| 4-Nitrophenol | <20 | 0.2 |
| Pentachlorophenol | <10 | 0.1 |
| Phenanthrene | <10 | 0.1 |
| Phenol | <10 | 0.1 |
| Pyrene | <10 | 0.1 |
| 1,2,4-Trichlorobenzene | <10 | 0.1 |
| 2,4,5-Trichlorophenol | <20 | 0.2 |
| 2,4,6-Trichlorophenol | <20 | 0.2 |

MRL: Method Reporting Limit

NOTES:

The samples required dilution due to matrix interference; as a result of the dilution, the reporting limits were elevated proportionally to the dilution factor.


George Havallas
Laboratory Director

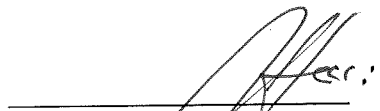


LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8270
Sample ID: Laboratory Control Standard
Concentration: 50 mg/L

Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/27/02
Date Reported: 03/29/02

| Compounds | Recovered Amount (mg/L) | Recovery (%) | Acceptable Range (%) |
|-----------------------------|-------------------------|--------------|----------------------|
| Acenaphthene | 33.0 | 66 | 47 - 145 |
| Acenaphthylene | 44.6 | 89 | 33 - 145 |
| Anthracene | 40.7 | 81 | 27 - 133 |
| Benzo(b)fluoranthene | 34.1 | 68 | 24 - 159 |
| Bis(2-chloroethyl)ether | 33.3 | 67 | 12 - 158 |
| Butyl benzyl phthalate | 59.1 | 118 | 2 - 152 |
| 2-Chloronaphthalene | 33.4 | 67 | 60 - 118 |
| 4-Chlorophenyl phenyl ether | 30.7 | 61 | 25 - 158 |
| 1,2-Dichlorobenzene | 35.4 | 71 | 32 - 129 |
| 1,3-Dichlorobenzene | 34.2 | 68 | 2 - 172 |
| 1,4-Dichlorobenzene | 34.9 | 70 | 20 - 124 |
| Diethylphthalate | 38.5 | 77 | 2 - 114 |
| Dimethylphthalate | 30.4 | 61 | 2 - 112 |
| Fluoranthene | 43.8 | 88 | 26 - 137 |
| Fluorene | 43.8 | 88 | 59 - 121 |
| Hexachlorobenzene | 18.6 | 37 | 2 - 152 |
| Hexachlorobutadiene | 37.0 | 74 | 24 - 116 |
| Hexachloroethane | 32.7 | 65 | 40 - 113 |
| Isophorone | 38.8 | 78 | 21 - 196 |
| Naphthalene | 42.0 | 84 | 21 - 133 |
| Nitrobenzene | 36.3 | 73 | 35 - 180 |
| 2-Nitrophenol | 48.1 | 96 | 29 - 182 |
| Pentachlorophenol | 28.4 | 57 | 14 - 176 |
| Phenol | 43.9 | 88 | 5 - 112 |
| 1,2,4-Trichlorobenzene | 38.0 | 76 | 44 - 142 |
| 2,4,6-Trichlorophenol | 40.3 | 81 | 37 - 144 |


George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8081A (Pesticides)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| | | | | | |
|------------------------|-----------------|-----------------|------------------|-----------------|------------|
| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | |
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 | |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 | |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 | |
| Client ID No.: | CEB1@6-8 | CEB2@2-4 | CEB2@8-10 | CEB3@4-6 | MRL |

Compounds:

| | | | | | |
|--------------------|-------|-------|-------|-------|----|
| Aldrin | <40 | <200 | <40 | <100 | 2 |
| Alpha-BHC | <40 | <200 | <40 | <100 | 2 |
| Alpha-Chlordane | <80 | <400 | <80 | <200 | 4 |
| Beta-BHC | <40 | <200 | <40 | <100 | 2 |
| Chlordane | <400 | <2000 | <400 | <1000 | 20 |
| 4,4'-DDE | <80 | <400 | <80 | <200 | 4 |
| 4,4'-DDE | <80 | <400 | <80 | <200 | 4 |
| 4,4'-DDT | <80 | <400 | <80 | <200 | 4 |
| Delta-BHC | <40 | <200 | <40 | <100 | 2 |
| Dieldrin | <80 | <400 | <80 | <200 | 4 |
| Endosulfan I | <40 | <200 | <40 | <100 | 2 |
| Endosulfan II | <80 | <400 | <80 | <200 | 4 |
| Endosulfan Sulfate | <80 | <400 | <80 | <200 | 4 |
| Endrin | <80 | <400 | <80 | <200 | 4 |
| Endrin Aldehyde | <80 | <400 | <80 | <200 | 4 |
| Endrin Ketone | <80 | <400 | <80 | <200 | 4 |
| Gamma-BHC | <40 | <200 | <40 | <100 | 2 |
| Gamma-Chlordane | <80 | <400 | <80 | <200 | 4 |
| Heptachlor | <40 | <200 | <40 | <100 | 2 |
| Heptachlor Epoxide | <40 | <200 | <40 | <100 | 2 |
| Methoxychlor | <400 | <2000 | <400 | <1000 | 20 |
| Toxaphene | <1000 | <5000 | <1000 | <2500 | 50 |

George

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8081A (Pesticides)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|-----------|-----------|----------|----------|-----|
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 | |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 | |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 | |
| Client ID No.: | CEB3@8-10 | CEB1@8-10 | CEB4@4-6 | CEB4@6-8 | |

Compounds:

| | | | | | |
|--------------------|------|-------|-------|-----|----|
| Aldrin | <20 | <200 | <40 | <2 | 2 |
| Alpha-BHC | <20 | <200 | <40 | <2 | 2 |
| Alpha-Chlordane | <40 | <400 | <80 | <4 | 4 |
| Beta-BHC | <20 | <200 | <40 | <2 | 2 |
| Chlordane | <200 | <2000 | <400 | <20 | 20 |
| 4,4'-DDD | <40 | <400 | <80 | <4 | 4 |
| 4,4'-DDE | <40 | <400 | <80 | <4 | 4 |
| 4,4'-DDT | <40 | <400 | <80 | <4 | 4 |
| Delta-BHC | <20 | <200 | <40 | <2 | 2 |
| Dieldrin | <40 | <400 | <80 | <4 | 4 |
| Endosulfan I | <20 | <200 | <40 | <2 | 2 |
| Endosulfan II | <40 | <400 | <80 | <4 | 4 |
| Endosulfan Sulfate | <40 | <400 | <80 | <4 | 4 |
| Endrin | <40 | <400 | <80 | <4 | 4 |
| Endrin Aldehyde | <40 | <400 | <80 | <4 | 4 |
| Endrin Ketone | <40 | <400 | <80 | <4 | 4 |
| Gamma-BHC | <20 | <200 | <40 | <2 | 2 |
| Gamma-Chlordane | <40 | <400 | <80 | <4 | 4 |
| Heptachlor | <20 | <200 | <40 | <2 | 2 |
| Heptachlor Epoxide | <20 | <200 | <40 | <2 | 2 |
| Methoxychlor | <200 | <2000 | <400 | <20 | 20 |
| Toxaphene | <500 | <5000 | <1000 | <50 | 50 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

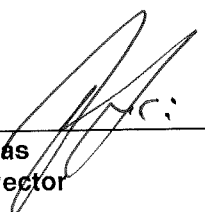
Client: Cal Environmental
 Project No.: EV801-2303
 Project Name: Patriot Homes - Thatcher
 Sample Matrix: Soil
 Method: EPA 8081A (Pesticides)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 | MRL |
|-----------------|----------|-----------|----------|-----------|-----|
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 | |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 | |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 | |
| Client ID No.: | CEB5@4-6 | CEB5@8-10 | CEB6@6-8 | CEB6@8-10 | |

Compounds:

| | | | | | |
|--------------------|-------|-------|-------|-------|----|
| Aldrin | <100 | <200 | <40 | <200 | 2 |
| Alpha-BHC | <100 | <200 | <40 | <200 | 2 |
| Alpha-Chlordane | <200 | <400 | <80 | <400 | 4 |
| Beta-BHC | <100 | <200 | <40 | <200 | 2 |
| Chlordane | <1000 | <2000 | <400 | <2000 | 20 |
| 4,4'-DDD | <200 | <400 | <80 | <400 | 4 |
| 4,4'-DDE | <200 | <400 | <80 | <400 | 4 |
| 4,4'-DDT | <200 | <400 | <80 | <400 | 4 |
| Delta-BHC | <100 | <200 | <40 | <200 | 2 |
| Dieldrin | <200 | <400 | <80 | <400 | 4 |
| Endosulfan I | <100 | <200 | <40 | <200 | 2 |
| Endosulfan II | <200 | <400 | <80 | <400 | 4 |
| Endosulfan Sulfate | <200 | <400 | <80 | <400 | 4 |
| Endrin | <200 | <400 | <80 | <400 | 4 |
| Endrin Aldehyde | <200 | <400 | <80 | <400 | 4 |
| Endrin Ketone | <200 | <400 | <80 | <400 | 4 |
| Gamma-BHC | <100 | <200 | <40 | <200 | 2 |
| Gamma-Chlordane | <200 | <400 | <80 | <400 | 4 |
| Heptachlor | <100 | <200 | <40 | <200 | 2 |
| Heptachlor Epoxide | <100 | <200 | <40 | <200 | 2 |
| Methoxychlor | <1000 | <2000 | <400 | <2000 | 20 |
| Toxaphene | <2500 | <5000 | <1000 | <5000 | 50 |


 George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No.: EV801-2303
Project Name: Patriot Homes - Thatcher
Sample Matrix: Soil
Method: EPA 8081A (Pesticides)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| | | |
|-----------------|----------|-----|
| Date Sampled: | 03/13/02 | |
| Date Analyzed: | 03/28/02 | |
| Date Extracted: | 03/26/02 | |
| AA ID No.: | 133434 | |
| Client ID No.: | CEB8@2-4 | MRL |

Compounds:

| | | |
|--------------------|------|----|
| Aldrin | <10 | 2 |
| Alpha-BHC | <10 | 2 |
| Alpha-Chlordane | <20 | 4 |
| Beta-BHC | <10 | 2 |
| Chlordane | <100 | 20 |
| 4,4'-DDD | <20 | 4 |
| 4,4'-DDE | <20 | 4 |
| 4,4'-DDT | <20 | 4 |
| Delta-BHC | <10 | 2 |
| Dieldrin | <20 | 4 |
| Endosulfan I | <10 | 2 |
| Endosulfan II | <20 | 4 |
| Endosulfan Sulfate | <20 | 4 |
| Endrin | <20 | 4 |
| Endrin Aldehyde | <20 | 4 |
| Endrin Ketone | <20 | 4 |
| Gamma-BHC | <10 | 2 |
| Gamma-Chlordane | <20 | 4 |
| Heptachlor | <10 | 2 |
| Heptachlor Epoxide | <10 | 2 |
| Methoxychlor | <100 | 20 |
| Toxaphene | <250 | 50 |

MRL: Method Reporting Limit


George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Cal Environmental
Project Name: Patriot Homes - Thatcher
Method: EPA 8081A (Pesticides)
Sample ID: Laboratory Control Standard
Concentration: 33.3 ug/Kg

Project No.: EV801-2303
AA Project No.: MB24330
Date Analyzed: 03/28/02
Date Reported: 04/08/02

| Compounds | Recovered Amount (ug/Kg) | Recovery (%) | Acceptable Range (%) |
|--------------------|--------------------------|--------------|----------------------|
| Aldrin | 32 | 96.0 | 50 - 150 |
| Alpha-BHC | 32 | 96.0 | 50 - 150 |
| Alpha-Chlordane | 32 | 96.0 | 50 - 150 |
| Beta-BHC | 28 | 84.0 | 50 - 150 |
| 4,4'-DDD | 37 | 111.0 | 50 - 150 |
| 4,4'-DDE | 30 | 90.0 | 50 - 150 |
| 4,4'-DDT | 21 | 63.0 | 50 - 150 |
| Delta-BHC | 32 | 96.0 | 50 - 150 |
| Dieldrin | 36 | 108.0 | 50 - 150 |
| Endosulfan I | 31 | 93.0 | 50 - 150 |
| Endosulfan II | 37 | 111.0 | 50 - 150 |
| Endosulfan Sulfate | 32 | 96.0 | 50 - 150 |
| Endrin | 25 | 75.0 | 50 - 150 |
| Endrin Aldehyde | 20 | 60.0 | 50 - 150 |
| Endrin Ketone | 26 | 78.0 | 50 - 150 |
| Gamma-BHC | 29 | 87.0 | 50 - 150 |
| Gamma-Chlordane | 32 | 96.0 | 50 - 150 |
| Heptachlor | 21 | 63.0 | 50 - 150 |
| Heptachlor Epoxide | 32 | 96.0 | 50 - 150 |
| Methoxychlor | 17 | 51.0 | 50 - 150 |


George Havalias
Laboratory Director



Laboratory Analysis Results

Page 1

Client: Cal Environmental
Project No.: EV-801-2303
Project Name: Patriot Homes
Sample Matrix: Soil
Method: EPA 8082 (PCBs)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| | | | | |
|-------------------------|-----------------|-----------------|------------------|-----------------|
| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 |
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 |
| AA ID No.: | 133400 | 133402 | 133405 | 133408 |
| Client ID No.: | CEB1 6-8 | CEB2 2-4 | CEB2 8-10 | CEB3 4-6 |
| Dilution Factor: | 20 | 100 | 20 | 50 |

| Compounds | | | | | MRL |
|------------------|-------|--------|-------|-------|------------|
| Aroclor 1016 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1221 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1232 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1242 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1248 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1254 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1260 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1262 | <2000 | <10000 | <2000 | <5000 | 100 |
| Aroclor 1268 | <2000 | <10000 | <2000 | <5000 | 100 |

ND: Non-Detect at or above the MRL
 MRL: Method Reporting Limit

George Havalias
Laboratory Director



Laboratory Analysis Results

Page 2

Client: Cal Environmental
Project No.: EV-801-2303
Project Name: Patriot Homes
Sample Matrix: Soil
Method: EPA 8082 (PCBs)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

| | | | | |
|-------------------------|-----------|-----------|----------|----------|
| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 |
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 |
| AA ID No.: | 133410 | 133411 | 133413 | 133414 |
| Client ID No.: | CEB3 8-10 | CEB1 8-10 | CEB4 4-6 | CEB4 6-8 |
| Dilution Factor: | 10 | 100 | 20 | 1 |

| Compounds | | | | | MRL |
|--------------|-------|--------|-------|----|-----|
| Aroclor 1016 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1221 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1232 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1242 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1248 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1254 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1260 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1262 | <1000 | <10000 | <2000 | ND | 100 |
| Aroclor 1268 | <1000 | <10000 | <2000 | ND | 100 |

ND: Non-Detect at or above the MRL
 MRL: Method Reporting Limit

George Havalias
 Laboratory Director



Laboratory Analysis Results

Client: Cal Environmental
 Project No.: EV-801-2303
 Project Name: Patriot Homes
 Sample Matrix: Soil
 Method: EPA 8082 (PCBs)

AA Project No.: MB24330
 Date Received: 03/13/02
 Date Reported: 04/08/02
 Units: ug/Kg

| | | | | |
|------------------|----------|-----------|----------|-----------|
| Date Sampled: | 03/13/02 | 03/13/02 | 03/13/02 | 03/13/02 |
| Date Extracted: | 03/26/02 | 03/26/02 | 03/26/02 | 03/26/02 |
| Date Analyzed: | 03/28/02 | 03/28/02 | 03/28/02 | 03/28/02 |
| AA ID No.: | 133418 | 133420 | 133424 | 133425 |
| Client ID No.: | CB5 4-6 | CEB5 8-10 | CEB6 6-8 | CEB6 8-10 |
| Dilution Factor: | 50 | 100 | 20 | 100 |

| Compounds | | | | | MRL |
|--------------|-------|--------|-------|--------|-----|
| Aroclor 1016 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1221 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1232 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1242 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1248 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1254 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1260 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1262 | <5000 | <10000 | <2000 | <10000 | 100 |
| Aroclor 1268 | <5000 | <10000 | <2000 | <10000 | 100 |

ND: Non-Detect at or above the MRL
 MRL: Method Reporting Limit

George Havalias
 Laboratory Director



Laboratory Analysis Results

Page 4

Client: Cal Environmental
Project No.: EV-801-2303
Project Name: Patriot Homes
Sample Matrix: Soil
Method: EPA 8082 (PCBs)

AA Project No.: MB24330
Date Received: 03/13/02
Date Reported: 04/08/02
Units: ug/Kg

Date Sampled: 03/13/02
Date Extracted: 03/26/02
Date Analyzed: 03/28/02
AA ID No.: 133434
Client ID No.: CEB8 2-4
Dilution Factor: 5

| Compounds | | MRL |
|--------------|------|-----|
| Aroclor 1016 | <500 | 100 |
| Aroclor 1221 | <500 | 100 |
| Aroclor 1232 | <500 | 100 |
| Aroclor 1242 | <500 | 100 |
| Aroclor 1248 | <500 | 100 |
| Aroclor 1254 | <500 | 100 |
| Aroclor 1260 | <500 | 100 |
| Aroclor 1262 | <500 | 100 |
| Aroclor 1268 | <500 | 100 |

ND: Non-Detect at or above the MRL
 MRL: Method Reporting Limit

George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

No 101655

DATE: 3-13-02
PAGE 1 OF 1

Tel: 818-998-5547 FAX: 818-998-7258

| | | | | | | |
|--|----------|------------------------------------|---|-------------|----------------------|---|
| AA Client LAUF ENV | | Phone 807-445-7117 | Sampler's Name (Print) C. Ruff | | | |
| Project Manager CRB | | P.O. No. EV801-2303 | Sampler's Signature <i>[Signature]</i> | | | |
| Project Name PATRIOT HOMES - THATCHER | | Client's Project No. EV801-2303 | Project Manager's Signature <i>[Signature]</i> | | | |
| Job Name and Address 3233 13311 THATCHER AVE VENUE | | ANALYSIS REQUIRED (Test Name) | | | | |
| Client's I.D. | AA I.D.# | Date | Time | Sample Type | Number of Containers | Client's Comment Special Test Requirements / Comments i.e., - Turnaround Time Detection Limits Data Package.....) |
| CEB402-4 | 133412 | 3/13 | - | Soil | 1 | |
| CEB404-6 | 133413 | - | - | - | 1 | |
| CEB406-8 | 133414 | - | - | - | 1 | |
| CEB408-10 | 133415 | - | - | - | 1 | |
| CEB500-2 | 133416 | - | - | - | 1 | |
| CEB503-4 | 133417 | 1045 | 1048 | - | 1 | |
| CEB504-6 | 133418 | 1050 | 1055 | - | 1 | |
| CEB506-8 | 133419 | - | - | - | 1 | |
| CEB508-10 | 133420 | - | - | - | 1 | |
| CEB600-2 | 133421 | - | - | - | 1 | |
| CEB602-4 | 133422 | - | - | - | 1 | |
| CEB604-6 | 133423 | 1115 | 1120 | - | 1 | |
| CEB606-8 | 133424 | 1120 | 1135 | - | 1 | |
| CEB608-10 | 133425 | 1135 | 1140 | SPIL | 1 | |
| CEB613-14 | 133426 | 3/13 | - | - | 1 | |
| LAB COMMENTS | | | | | | Requisitioned by: <i>[Signature]</i> |
| | | | | | | Date: 3/13 |
| | | | | | | Time: 1530 |
| | | | | | | Received by: <i>[Signature]</i> |
| | | | | | | Date: 3/13/02 |
| | | | | | | Time: 1700 |
| | | | | | | Received by: <i>[Signature]</i> |
| | | | | | | Date: - |
| | | | | | | Time: - |
| | | | | | | Received by: - |
| AA Project No. MB24330 | | | | | | Date: - |
| | | | | | | Time: - |
| | | | | | | Received by: - |



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

No 101657

DATE: 3-13-02

Tel: 818-998-5547 FAX: 818-998-7258

PAGE 3 OF 4

| AA Client CANE ENV | | Phone | | Sampler's Name (Print) C. RODE | | |
|--|----------|-------------------------------------|------|---|----------------------|--|
| Project Manager 413 | | P.O. No. EV 001 2303 | | Sampler's Signature <i>[Signature]</i> | | |
| Project Name PATRIOT HOMES - THATCHER | | Client's Project No. EV 001 2303 | | Project Manager's Signature <i>[Signature]</i> | | |
| Job Name and Address 3233/3311 THATCHER AVE VENICE | | ANALYSIS REQUIRED (Test Name) | | | | |
| | | 8700 CCL Mtds | | | | |
| | | 8270 | | | | |
| | | 8081 | | | | |
| | | 8015 R2 / BRX | | | | |
| | | torric Pb | | | | |
| Client's I.D. | AA I.D.# | Date | Time | Sample Type | Number of Containers | Client's Comment Special Test Requirements / Comments i.e., - Turnaround Time Detection Limits Data Package..... |
| LEB702-2 | 133427 | 3/13 | | SOIL | 1 | |
| LEB702-4 | 133428 | | | | 1 | |
| LEB704-6 | 133429 | | | | 1 | |
| LEB706-8 | 133430 | | | | 1 | |
| LEB708-10 | 133431 | | | | 1 | |
| LEB7010-12 | 133432 | | | | 1 | |
| LEB800-2 | 133433 | | 1400 | | 1 | |
| LEB802-4 | 133434 | | | | 1 | |
| LEB804-6 | 133435 | | | | 1 | |
| LEB806-8 | 133436 | | | | 1 | |
| LEB808-10 | 133437 | 3/13 | | SOIL | 1 | |
| LAB COMMENTS | | | | | | |
| Requisitioned by: <i>[Signature]</i> | | Date 3/13 | | Time 1530 | | Received by: <i>[Signature]</i> |
| Requisitioned by: <i>[Signature]</i> | | Date 3/13/02 | | Time 1720 | | Received by: <i>[Signature]</i> |
| Requisitioned by: <i>[Signature]</i> | | Date | | Time | | Received by: <i>[Signature]</i> |
| Requisitioned by: | | Date | | Time | | Received by: |
| AA Project No. MB 24330 | | | | | | |



WORK ORDER NUMBER: 18-08-1413

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: California Environmental

Client Project Name: TSA

Attention: Charles Buckley
30423 Canwood St.
Suite 208
Agoura Hills, CA 91301-4316

Approved for release on 08/28/2018 by:
Don Burley
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: TSA
 Work Order Number: 18-08-1413

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/16/18. They were assigned to Work Order 18-08-1413.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

Sample Summary

| | | |
|----------------------------------|-----------------------|----------------|
| Client: California Environmental | Work Order: | 18-08-1413 |
| 30423 Canwood St., Suite 208 | Project Name: | TSA |
| Agoura Hills, CA 91301-4316 | PO Number: | 3471 |
| | Date/Time Received: | 08/16/18 17:30 |
| | Number of Containers: | 56 |

Attn: Charles Buckley

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-----------------------|--------------|--------------------------|----------------------|---------|
| MW-14 | 18-08-1413-1 | 08/16/18 08:49 | 8 | Aqueous |
| MW-17 | 18-08-1413-2 | 08/16/18 09:30 | 8 | Aqueous |
| MW-20 | 18-08-1413-3 | 08/16/18 10:20 | 8 | Aqueous |
| MW-22 | 18-08-1413-4 | 08/16/18 11:01 | 8 | Aqueous |
| MW-15 | 18-08-1413-5 | 08/16/18 11:53 | 8 | Aqueous |
| MW-19 | 18-08-1413-6 | 08/16/18 12:33 | 8 | Aqueous |
| MW-18 | 18-08-1413-7 | 08/16/18 13:15 | 8 | Aqueous |

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0
Units: mg/L

Project: TSA

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|-------------|---------------|---------------------------|-------------------|
| MW-14 | 18-08-1413-1-E | 08/16/18 08:49 | Aqueous | IC 7 | N/A | 08/17/18 17:55 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 85 | 1.0 | | 1.00 | | |
| Nitrate (as N) | | ND | 0.10 | | 1.00 | | |
| MW-17 | 18-08-1413-2-E | 08/16/18 09:30 | Aqueous | IC 7 | N/A | 08/17/18 18:13 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 12 | 2.0 | | 2.00 | | |
| Nitrate (as N) | | ND | 0.20 | | 2.00 | | |
| MW-20 | 18-08-1413-3-E | 08/16/18 10:20 | Aqueous | IC 7 | N/A | 08/17/18 19:08 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 16 | 2.0 | | 2.00 | | |
| Nitrate (as N) | | 0.41 | 0.20 | | 2.00 | | |
| MW-22 | 18-08-1413-4-E | 08/16/18 11:01 | Aqueous | IC 7 | N/A | 08/17/18 19:27 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Nitrate (as N) | | ND | 0.10 | | 1.00 | | |
| MW-22 | 18-08-1413-4-E | 08/16/18 11:01 | Aqueous | IC 7 | N/A | 08/18/18 19:32 | 180818L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 240 | 5.0 | | 5.00 | | |
| MW-15 | 18-08-1413-5-E | 08/16/18 11:53 | Aqueous | IC 7 | N/A | 08/17/18 19:45 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Nitrate (as N) | | 0.31 | 0.10 | | 1.00 | | |
| MW-15 | 18-08-1413-5-E | 08/16/18 11:53 | Aqueous | IC 7 | N/A | 08/18/18 19:50 | 180818L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 180 | 5.0 | | 5.00 | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0
Units: mg/L

Project: TSA

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|------------------------|---------------------------|----------------|-------------|---------------|---------------------------|-------------------|
| MW-19 | 18-08-1413-6-E | 08/16/18 12:33 | Aqueous | IC 7 | N/A | 08/17/18 20:03 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Nitrate (as N) | | ND | 0.10 | | 1.00 | | |
| MW-19 | 18-08-1413-6-E | 08/16/18 12:33 | Aqueous | IC 7 | N/A | 08/18/18 20:09 | 180818L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 250 | 5.0 | | 5.00 | | |
| MW-18 | 18-08-1413-7-E | 08/16/18 13:15 | Aqueous | IC 7 | N/A | 08/17/18 20:22 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Nitrate (as N) | | 1.3 | 0.10 | | 1.00 | | |
| MW-18 | 18-08-1413-7-E | 08/16/18 13:15 | Aqueous | IC 7 | N/A | 08/18/18 20:27 | 180818L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | 130 | 2.0 | | 2.00 | | |
| Method Blank | 099-12-906-8731 | N/A | Aqueous | IC 7 | N/A | 08/17/18 09:26 | 180817L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | ND | 1.0 | | 1.00 | | |
| Nitrate (as N) | | ND | 0.10 | | 1.00 | | |
| Method Blank | 099-12-906-8732 | N/A | Aqueous | IC 7 | N/A | 08/18/18 11:33 | 180818L01 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Chloride | | ND | 1.0 | | 1.00 | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: N/A
 Method: SM 4500 H+ B
 Units: pH units

Project: TSA

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|-------------|-----------------|---------------------------|-------------------|
| MW-14 | 18-08-1413-1-D | 08/16/18 08:49 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.71 | 0.01 | | 1.00 | | BV,BU |
| MW-17 | 18-08-1413-2-D | 08/16/18 09:30 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.37 | 0.01 | | 1.00 | | BV,BU |
| MW-20 | 18-08-1413-3-D | 08/16/18 10:20 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 7.10 | 0.01 | | 1.00 | | BV,BU |
| MW-22 | 18-08-1413-4-D | 08/16/18 11:01 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.98 | 0.01 | | 1.00 | | BV,BU |
| MW-15 | 18-08-1413-5-D | 08/16/18 11:53 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.82 | 0.01 | | 1.00 | | BV,BU |
| MW-19 | 18-08-1413-6-D | 08/16/18 12:33 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.94 | 0.01 | | 1.00 | | BV,BU |
| MW-18 | 18-08-1413-7-D | 08/16/18 13:15 | Aqueous | PH 1 | 08/16/18 | 08/16/18 23:01 | I0816PHD2 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| pH | | 6.96 | 0.01 | | 1.00 | | BV,BU |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: TSA

Page 1 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| MW-14 | 18-08-1413-1-G | 08/16/18 08:49 | Aqueous | GC 49 | 08/20/18 | 08/22/18 14:47 | 180820B02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| C6 | ND | 96 | 1.00 | |
| C7 | ND | 96 | 1.00 | |
| C8 | ND | 96 | 1.00 | |
| C9-C10 | ND | 96 | 1.00 | |
| C11-C12 | ND | 96 | 1.00 | |
| C13-C14 | ND | 96 | 1.00 | |
| C15-C16 | ND | 96 | 1.00 | |
| C17-C18 | ND | 96 | 1.00 | |
| C19-C20 | ND | 96 | 1.00 | |
| C21-C22 | ND | 96 | 1.00 | |
| C23-C24 | ND | 96 | 1.00 | |
| C25-C28 | ND | 96 | 1.00 | |
| C29-C32 | ND | 96 | 1.00 | |
| C33-C36 | ND | 96 | 1.00 | |
| C37-C40 | ND | 96 | 1.00 | |
| C41-C44 | ND | 96 | 1.00 | |
| C6-C44 Total | ND | 96 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| n-Octacosane | 102 | 68-140 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: TSA

Page 2 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-17 | 18-08-1413-2-G | 08/16/18 09:30 | Aqueous | GC 49 | 08/20/18 | 08/22/18 15:09 | 180820B02 |

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-------------------|
| C6 | ND | 94 | 1.00 | |
| C7 | ND | 94 | 1.00 | |
| C8 | ND | 94 | 1.00 | |
| C9-C10 | ND | 94 | 1.00 | |
| C11-C12 | ND | 94 | 1.00 | |
| C13-C14 | ND | 94 | 1.00 | |
| C15-C16 | 110 | 94 | 1.00 | |
| C17-C18 | 130 | 94 | 1.00 | |
| C19-C20 | 110 | 94 | 1.00 | |
| C21-C22 | 110 | 94 | 1.00 | |
| C23-C24 | ND | 94 | 1.00 | |
| C25-C28 | 150 | 94 | 1.00 | |
| C29-C32 | ND | 94 | 1.00 | |
| C33-C36 | ND | 94 | 1.00 | |
| C37-C40 | ND | 94 | 1.00 | |
| C41-C44 | ND | 94 | 1.00 | |
| C6-C44 Total | 820 | 94 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| n-Octacosane | 93 | 68-140 | | |



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-20 | 18-08-1413-3-G | 08/16/18 10:20 | Aqueous | GC 49 | 08/20/18 | 08/22/18 15:29 | 180820B02 |

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-------------------|
| C6 | ND | 96 | 1.00 | |
| C7 | ND | 96 | 1.00 | |
| C8 | ND | 96 | 1.00 | |
| C9-C10 | ND | 96 | 1.00 | |
| C11-C12 | ND | 96 | 1.00 | |
| C13-C14 | ND | 96 | 1.00 | |
| C15-C16 | 100 | 96 | 1.00 | |
| C17-C18 | 170 | 96 | 1.00 | |
| C19-C20 | 140 | 96 | 1.00 | |
| C21-C22 | 120 | 96 | 1.00 | |
| C23-C24 | 110 | 96 | 1.00 | |
| C25-C28 | 180 | 96 | 1.00 | |
| C29-C32 | ND | 96 | 1.00 | |
| C33-C36 | ND | 96 | 1.00 | |
| C37-C40 | ND | 96 | 1.00 | |
| C41-C44 | ND | 96 | 1.00 | |
| C6-C44 Total | 1000 | 96 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| n-Octacosane | 101 | 68-140 | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-22 | 18-08-1413-4-G | 08/16/18 11:01 | Aqueous | GC 49 | 08/20/18 | 08/22/18 15:51 | 180820B02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------|--------|----|------|------------|
| C6 | ND | 91 | 1.00 | |
| C7 | ND | 91 | 1.00 | |
| C8 | ND | 91 | 1.00 | |
| C9-C10 | ND | 91 | 1.00 | |
| C11-C12 | ND | 91 | 1.00 | |
| C13-C14 | ND | 91 | 1.00 | |
| C15-C16 | ND | 91 | 1.00 | |
| C17-C18 | ND | 91 | 1.00 | |
| C19-C20 | ND | 91 | 1.00 | |
| C21-C22 | ND | 91 | 1.00 | |
| C23-C24 | ND | 91 | 1.00 | |
| C25-C28 | ND | 91 | 1.00 | |
| C29-C32 | ND | 91 | 1.00 | |
| C33-C36 | ND | 91 | 1.00 | |
| C37-C40 | ND | 91 | 1.00 | |
| C41-C44 | ND | 91 | 1.00 | |
| C6-C44 Total | ND | 91 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| n-Octacosane | 104 | 68-140 | |


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| MW-15 | 18-08-1413-5-G | 08/16/18 11:53 | Aqueous | GC 49 | 08/20/18 | 08/22/18 16:12 | 180820B02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| C6 | ND | 91 | 1.00 | |
| C7 | ND | 91 | 1.00 | |
| C8 | ND | 91 | 1.00 | |
| C9-C10 | ND | 91 | 1.00 | |
| C11-C12 | ND | 91 | 1.00 | |
| C13-C14 | ND | 91 | 1.00 | |
| C15-C16 | ND | 91 | 1.00 | |
| C17-C18 | ND | 91 | 1.00 | |
| C19-C20 | ND | 91 | 1.00 | |
| C21-C22 | ND | 91 | 1.00 | |
| C23-C24 | ND | 91 | 1.00 | |
| C25-C28 | ND | 91 | 1.00 | |
| C29-C32 | ND | 91 | 1.00 | |
| C33-C36 | ND | 91 | 1.00 | |
| C37-C40 | ND | 91 | 1.00 | |
| C41-C44 | ND | 91 | 1.00 | |
| C6-C44 Total | ND | 91 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| n-Octacosane | 98 | 68-140 | |

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| MW-19 | 18-08-1413-6-G | 08/16/18 12:33 | Aqueous | GC 49 | 08/20/18 | 08/22/18 16:33 | 180820B02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| C6 | ND | 91 | 1.00 | |
| C7 | ND | 91 | 1.00 | |
| C8 | ND | 91 | 1.00 | |
| C9-C10 | ND | 91 | 1.00 | |
| C11-C12 | ND | 91 | 1.00 | |
| C13-C14 | ND | 91 | 1.00 | |
| C15-C16 | ND | 91 | 1.00 | |
| C17-C18 | ND | 91 | 1.00 | |
| C19-C20 | ND | 91 | 1.00 | |
| C21-C22 | ND | 91 | 1.00 | |
| C23-C24 | ND | 91 | 1.00 | |
| C25-C28 | ND | 91 | 1.00 | |
| C29-C32 | ND | 91 | 1.00 | |
| C33-C36 | ND | 91 | 1.00 | |
| C37-C40 | ND | 91 | 1.00 | |
| C41-C44 | ND | 91 | 1.00 | |
| C6-C44 Total | ND | 91 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| n-Octacosane | 92 | 68-140 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| MW-18 | 18-08-1413-7-G | 08/16/18 13:15 | Aqueous | GC 49 | 08/20/18 | 08/22/18 16:54 | 180820B02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| C6 | ND | 93 | 1.00 | |
| C7 | ND | 93 | 1.00 | |
| C8 | ND | 93 | 1.00 | |
| C9-C10 | ND | 93 | 1.00 | |
| C11-C12 | ND | 93 | 1.00 | |
| C13-C14 | ND | 93 | 1.00 | |
| C15-C16 | ND | 93 | 1.00 | |
| C17-C18 | ND | 93 | 1.00 | |
| C19-C20 | ND | 93 | 1.00 | |
| C21-C22 | ND | 93 | 1.00 | |
| C23-C24 | ND | 93 | 1.00 | |
| C25-C28 | ND | 93 | 1.00 | |
| C29-C32 | ND | 93 | 1.00 | |
| C33-C36 | ND | 93 | 1.00 | |
| C37-C40 | ND | 93 | 1.00 | |
| C41-C44 | ND | 93 | 1.00 | |
| C6-C44 Total | ND | 93 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| n-Octacosane | 95 | 68-140 | |


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-498-630 | N/A | Aqueous | GC 49 | 08/20/18 | 08/20/18 15:06 | 180820B02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------|--------|-----|------|------------|
| C6 | ND | 100 | 1.00 | |
| C7 | ND | 100 | 1.00 | |
| C8 | ND | 100 | 1.00 | |
| C9-C10 | ND | 100 | 1.00 | |
| C11-C12 | ND | 100 | 1.00 | |
| C13-C14 | ND | 100 | 1.00 | |
| C15-C16 | ND | 100 | 1.00 | |
| C17-C18 | ND | 100 | 1.00 | |
| C19-C20 | ND | 100 | 1.00 | |
| C21-C22 | ND | 100 | 1.00 | |
| C23-C24 | ND | 100 | 1.00 | |
| C25-C28 | ND | 100 | 1.00 | |
| C29-C32 | ND | 100 | 1.00 | |
| C33-C36 | ND | 100 | 1.00 | |
| C37-C40 | ND | 100 | 1.00 | |
| C41-C44 | ND | 100 | 1.00 | |
| C6-C44 Total | ND | 100 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| n-Octacosane | 104 | 68-140 | |



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3010A Total
 Method: EPA 6010B
 Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|-----------------|-----------------|---------------------------|------------------|
| MW-14 | 18-08-1413-1-F | 08/16/18 08:49 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:53 | 180819LA1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0133 | 0.0100 | 1.00 | |
| Barium | 0.259 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | ND | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0219 | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | 105 | 0.500 | 1.00 | |
| Zinc | 0.0244 | 0.0100 | 1.00 | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|-----------------|-----------------|---------------------------|------------------|
| MW-17 | 18-08-1413-2-F | 08/16/18 09:30 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:54 | 180819LA1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0228 | 0.0100 | 1.00 | |
| Barium | 0.398 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | 0.0219 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0198 | 0.0150 | 1.00 | |
| Vanadium | 0.0126 | 0.0100 | 1.00 | |
| Sodium | 53.0 | 0.500 | 1.00 | |
| Zinc | 0.0426 | 0.0100 | 1.00 | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-20 | 18-08-1413-3-F | 08/16/18 10:20 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 20:00 | 180819LA1 |

| Parameter | Result | RL | DF | Qualifiers |
|------------|--------|---------|------|------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | ND | 0.0100 | 1.00 | |
| Barium | 0.310 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | 0.0239 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0295 | 0.0150 | 1.00 | |
| Vanadium | 0.0108 | 0.0100 | 1.00 | |
| Sodium | 64.9 | 0.500 | 1.00 | |
| Zinc | 0.0377 | 0.0100 | 1.00 | |


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3010A Total
 Method: EPA 6010B
 Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-22 | 18-08-1413-4-F | 08/16/18 11:01 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 20:02 | 180819LA1 |

| Parameter | Result | RL | DF | Qualifiers |
|------------|--------|---------|------|------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0163 | 0.0100 | 1.00 | |
| Barium | 0.0610 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | 0.0173 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0217 | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | 125 | 0.500 | 1.00 | |
| Zinc | 0.0306 | 0.0100 | 1.00 | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 3010A Total
 Method: EPA 6010B
 Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-15 | 18-08-1413-5-F | 08/16/18 11:53 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 20:03 | 180819LA1 |

| Parameter | Result | RL | DF | Qualifiers |
|------------|--------|---------|------|------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0142 | 0.0100 | 1.00 | |
| Barium | 0.136 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | 0.0116 | 0.0100 | 1.00 | |
| Selenium | 0.0172 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0176 | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | 153 | 0.500 | 1.00 | |
| Zinc | 0.0186 | 0.0100 | 1.00 | |


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-19 | 18-08-1413-6-F | 08/16/18 12:33 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 20:05 | 180819LA1 |

| Parameter | Result | RL | DF | Qualifiers |
|------------|--------|---------|------|------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0105 | 0.0100 | 1.00 | |
| Barium | 0.169 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | 0.0157 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | 0.0218 | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | 128 | 0.500 | 1.00 | |
| Zinc | 0.0761 | 0.0100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|-----------------|-----------------|---------------------------|------------------|
| MW-18 | 18-08-1413-7-F | 08/16/18 13:15 | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 20:07 | 180819LA1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | 0.0205 | 0.0100 | 1.00 | |
| Barium | 0.346 | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | 0.0143 | 0.0100 | 1.00 | |
| Selenium | 0.0242 | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | ND | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | 135 | 0.500 | 1.00 | |
| Zinc | 0.0614 | 0.0100 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------------|---------------------|----------------|-----------------|-----------------|---------------------------|------------------|
| Method Blank | 097-01-003-17015 | N/A | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:41 | 180819LA1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Antimony | ND | 0.0150 | 1.00 | |
| Arsenic | ND | 0.0100 | 1.00 | |
| Barium | ND | 0.0100 | 1.00 | |
| Beryllium | ND | 0.0100 | 1.00 | |
| Cadmium | ND | 0.0100 | 1.00 | |
| Chromium | ND | 0.0100 | 1.00 | |
| Cobalt | ND | 0.0100 | 1.00 | |
| Copper | ND | 0.0100 | 1.00 | |
| Lead | ND | 0.0100 | 1.00 | |
| Molybdenum | ND | 0.0100 | 1.00 | |
| Nickel | ND | 0.0100 | 1.00 | |
| Selenium | ND | 0.0150 | 1.00 | |
| Silver | ND | 0.00500 | 1.00 | |
| Thallium | ND | 0.0150 | 1.00 | |
| Vanadium | ND | 0.0100 | 1.00 | |
| Sodium | ND | 0.500 | 1.00 | |
| Zinc | ND | 0.0100 | 1.00 | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 7470A Total
Method: EPA 7470A
Units: mg/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|------------------------|---------------------------|----------------|-------------------|-----------------|---------------------------|-------------------|
| MW-14 | 18-08-1413-1-F | 08/16/18 08:49 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:39 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-17 | 18-08-1413-2-F | 08/16/18 09:30 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:46 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-20 | 18-08-1413-3-F | 08/16/18 10:20 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:48 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-22 | 18-08-1413-4-F | 08/16/18 11:01 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:50 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-15 | 18-08-1413-5-F | 08/16/18 11:53 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:53 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-19 | 18-08-1413-6-F | 08/16/18 12:33 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:55 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| MW-18 | 18-08-1413-7-F | 08/16/18 13:15 | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 13:02 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |
| Method Blank | 099-04-008-8666 | N/A | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:35 | 180818LA1 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Mercury | | ND | | 0.000500 | | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| MW-14 | 18-08-1413-1-H | 08/16/18 08:49 | Aqueous | GC 44 | 08/17/18 | 08/21/18 20:39 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.094 | 1.00 | |
| Gamma-BHC | ND | 0.094 | 1.00 | |
| Beta-BHC | ND | 0.094 | 1.00 | |
| Heptachlor | ND | 0.094 | 1.00 | |
| Delta-BHC | ND | 0.094 | 1.00 | |
| Aldrin | ND | 0.094 | 1.00 | |
| Heptachlor Epoxide | ND | 0.094 | 1.00 | |
| Endosulfan I | ND | 0.094 | 1.00 | |
| Dieldrin | ND | 0.094 | 1.00 | |
| 4,4'-DDE | ND | 0.094 | 1.00 | |
| Endrin | ND | 0.094 | 1.00 | |
| Endrin Aldehyde | ND | 0.094 | 1.00 | |
| 4,4'-DDD | ND | 0.094 | 1.00 | |
| Endosulfan II | ND | 0.094 | 1.00 | |
| 4,4'-DDT | ND | 0.094 | 1.00 | |
| Endosulfan Sulfate | ND | 0.094 | 1.00 | |
| Methoxychlor | ND | 0.094 | 1.00 | |
| Chlordane | ND | 0.94 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.094 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 69 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 100 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-17 | 18-08-1413-2-H | 08/16/18 09:30 | Aqueous | GC 44 | 08/17/18 | 08/20/18 19:15 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.094 | 1.00 | |
| Gamma-BHC | ND | 0.094 | 1.00 | |
| Beta-BHC | ND | 0.094 | 1.00 | |
| Heptachlor | ND | 0.094 | 1.00 | |
| Delta-BHC | ND | 0.094 | 1.00 | |
| Aldrin | ND | 0.094 | 1.00 | |
| Heptachlor Epoxide | ND | 0.094 | 1.00 | |
| Endosulfan I | ND | 0.094 | 1.00 | |
| Dieldrin | ND | 0.094 | 1.00 | |
| 4,4'-DDE | ND | 0.094 | 1.00 | |
| Endrin | ND | 0.094 | 1.00 | |
| Endrin Aldehyde | ND | 0.094 | 1.00 | |
| 4,4'-DDD | ND | 0.094 | 1.00 | |
| Endosulfan II | ND | 0.094 | 1.00 | |
| 4,4'-DDT | ND | 0.094 | 1.00 | |
| Endosulfan Sulfate | ND | 0.094 | 1.00 | |
| Methoxychlor | ND | 0.094 | 1.00 | |
| Chlordane | ND | 0.94 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.094 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 59 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 86 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-20 | 18-08-1413-3-H | 08/16/18 10:20 | Aqueous | GC 44 | 08/17/18 | 08/20/18 19:29 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.094 | 1.00 | |
| Gamma-BHC | ND | 0.094 | 1.00 | |
| Beta-BHC | ND | 0.094 | 1.00 | |
| Heptachlor | ND | 0.094 | 1.00 | |
| Delta-BHC | ND | 0.094 | 1.00 | |
| Aldrin | ND | 0.094 | 1.00 | |
| Heptachlor Epoxide | ND | 0.094 | 1.00 | |
| Endosulfan I | ND | 0.094 | 1.00 | |
| Dieldrin | ND | 0.094 | 1.00 | |
| 4,4'-DDE | ND | 0.094 | 1.00 | |
| Endrin | ND | 0.094 | 1.00 | |
| Endrin Aldehyde | ND | 0.094 | 1.00 | |
| 4,4'-DDD | ND | 0.094 | 1.00 | |
| Endosulfan II | ND | 0.094 | 1.00 | |
| 4,4'-DDT | ND | 0.094 | 1.00 | |
| Endosulfan Sulfate | ND | 0.094 | 1.00 | |
| Methoxychlor | ND | 0.094 | 1.00 | |
| Chlordane | ND | 0.94 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.094 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 75 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 91 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-22 | 18-08-1413-4-H | 08/16/18 11:01 | Aqueous | GC 44 | 08/17/18 | 08/20/18 19:43 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.095 | 1.00 | |
| Gamma-BHC | ND | 0.095 | 1.00 | |
| Beta-BHC | ND | 0.095 | 1.00 | |
| Heptachlor | ND | 0.095 | 1.00 | |
| Delta-BHC | ND | 0.095 | 1.00 | |
| Aldrin | ND | 0.095 | 1.00 | |
| Heptachlor Epoxide | ND | 0.095 | 1.00 | |
| Endosulfan I | ND | 0.095 | 1.00 | |
| Dieldrin | ND | 0.095 | 1.00 | |
| 4,4'-DDE | ND | 0.095 | 1.00 | |
| Endrin | ND | 0.095 | 1.00 | |
| Endrin Aldehyde | ND | 0.095 | 1.00 | |
| 4,4'-DDD | ND | 0.095 | 1.00 | |
| Endosulfan II | ND | 0.095 | 1.00 | |
| 4,4'-DDT | ND | 0.095 | 1.00 | |
| Endosulfan Sulfate | ND | 0.095 | 1.00 | |
| Methoxychlor | ND | 0.095 | 1.00 | |
| Chlordane | ND | 0.95 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.095 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 77 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 99 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-15 | 18-08-1413-5-H | 08/16/18 11:53 | Aqueous | GC 44 | 08/17/18 | 08/20/18 19:57 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.098 | 1.00 | |
| Gamma-BHC | ND | 0.098 | 1.00 | |
| Beta-BHC | ND | 0.098 | 1.00 | |
| Heptachlor | ND | 0.098 | 1.00 | |
| Delta-BHC | ND | 0.098 | 1.00 | |
| Aldrin | ND | 0.098 | 1.00 | |
| Heptachlor Epoxide | ND | 0.098 | 1.00 | |
| Endosulfan I | ND | 0.098 | 1.00 | |
| Dieldrin | ND | 0.098 | 1.00 | |
| 4,4'-DDE | ND | 0.098 | 1.00 | |
| Endrin | ND | 0.098 | 1.00 | |
| Endrin Aldehyde | ND | 0.098 | 1.00 | |
| 4,4'-DDD | ND | 0.098 | 1.00 | |
| Endosulfan II | ND | 0.098 | 1.00 | |
| 4,4'-DDT | ND | 0.098 | 1.00 | |
| Endosulfan Sulfate | ND | 0.098 | 1.00 | |
| Methoxychlor | ND | 0.098 | 1.00 | |
| Chlordane | ND | 0.98 | 1.00 | |
| Toxaphene | ND | 2.0 | 1.00 | |
| Endrin Ketone | ND | 0.098 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 75 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 104 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-19 | 18-08-1413-6-H | 08/16/18 12:33 | Aqueous | GC 44 | 08/17/18 | 08/20/18 20:12 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.094 | 1.00 | |
| Gamma-BHC | ND | 0.094 | 1.00 | |
| Beta-BHC | ND | 0.094 | 1.00 | |
| Heptachlor | ND | 0.094 | 1.00 | |
| Delta-BHC | ND | 0.094 | 1.00 | |
| Aldrin | ND | 0.094 | 1.00 | |
| Heptachlor Epoxide | ND | 0.094 | 1.00 | |
| Endosulfan I | ND | 0.094 | 1.00 | |
| Dieldrin | ND | 0.094 | 1.00 | |
| 4,4'-DDE | ND | 0.094 | 1.00 | |
| Endrin | ND | 0.094 | 1.00 | |
| Endrin Aldehyde | ND | 0.094 | 1.00 | |
| 4,4'-DDD | ND | 0.094 | 1.00 | |
| Endosulfan II | ND | 0.094 | 1.00 | |
| 4,4'-DDT | ND | 0.094 | 1.00 | |
| Endosulfan Sulfate | ND | 0.094 | 1.00 | |
| Methoxychlor | ND | 0.094 | 1.00 | |
| Chlordane | ND | 0.94 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.094 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 97 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 110 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-18 | 18-08-1413-7-H | 08/16/18 13:15 | Aqueous | GC 44 | 08/17/18 | 08/20/18 20:26 | 180817L02 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------|--------|-------|------|------------|
| Alpha-BHC | ND | 0.094 | 1.00 | |
| Gamma-BHC | ND | 0.094 | 1.00 | |
| Beta-BHC | ND | 0.094 | 1.00 | |
| Heptachlor | ND | 0.094 | 1.00 | |
| Delta-BHC | ND | 0.094 | 1.00 | |
| Aldrin | ND | 0.094 | 1.00 | |
| Heptachlor Epoxide | ND | 0.094 | 1.00 | |
| Endosulfan I | ND | 0.094 | 1.00 | |
| Dieldrin | ND | 0.094 | 1.00 | |
| 4,4'-DDE | ND | 0.094 | 1.00 | |
| Endrin | ND | 0.094 | 1.00 | |
| Endrin Aldehyde | ND | 0.094 | 1.00 | |
| 4,4'-DDD | ND | 0.094 | 1.00 | |
| Endosulfan II | ND | 0.094 | 1.00 | |
| 4,4'-DDT | ND | 0.094 | 1.00 | |
| Endosulfan Sulfate | ND | 0.094 | 1.00 | |
| Methoxychlor | ND | 0.094 | 1.00 | |
| Chlordane | ND | 0.94 | 1.00 | |
| Toxaphene | ND | 1.9 | 1.00 | |
| Endrin Ketone | ND | 0.094 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------------|----------|----------------|------------|
| Decachlorobiphenyl | 90 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 104 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|------------------------|---------------------|----------------|--------------|-----------------|---------------------------|------------------|
| Method Blank | 099-12-529-1043 | N/A | Aqueous | GC 44 | 08/17/18 | 08/20/18 18:32 | 180817L02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|--------------------|---------------|-----------|-----------|-------------------|
| Alpha-BHC | ND | 0.10 | 1.00 | |
| Gamma-BHC | ND | 0.10 | 1.00 | |
| Beta-BHC | ND | 0.10 | 1.00 | |
| Heptachlor | ND | 0.10 | 1.00 | |
| Delta-BHC | ND | 0.10 | 1.00 | |
| Aldrin | ND | 0.10 | 1.00 | |
| Heptachlor Epoxide | ND | 0.10 | 1.00 | |
| Endosulfan I | ND | 0.10 | 1.00 | |
| Dieldrin | ND | 0.10 | 1.00 | |
| 4,4'-DDE | ND | 0.10 | 1.00 | |
| Endrin | ND | 0.10 | 1.00 | |
| Endrin Aldehyde | ND | 0.10 | 1.00 | |
| 4,4'-DDD | ND | 0.10 | 1.00 | |
| Endosulfan II | ND | 0.10 | 1.00 | |
| 4,4'-DDT | ND | 0.10 | 1.00 | |
| Endosulfan Sulfate | ND | 0.10 | 1.00 | |
| Methoxychlor | ND | 0.10 | 1.00 | |
| Chlordane | ND | 1.0 | 1.00 | |
| Toxaphene | ND | 2.0 | 1.00 | |
| Endrin Ketone | ND | 0.10 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------------|-----------------|-----------------------|-------------------|
| Decachlorobiphenyl | 90 | 50-135 | |
| 2,4,5,6-Tetrachloro-m-Xylene | 100 | 50-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-14 | 18-08-1413-1-A | 08/16/18 08:49 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 03:54 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|-----|------|------------|
| Acetone | ND | 100 | 5.00 | |
| Benzene | ND | 2.5 | 5.00 | |
| Bromobenzene | ND | 5.0 | 5.00 | |
| Bromochloromethane | ND | 5.0 | 5.00 | |
| Bromodichloromethane | ND | 5.0 | 5.00 | |
| Bromoform | ND | 5.0 | 5.00 | |
| Bromomethane | ND | 50 | 5.00 | |
| 2-Butanone | ND | 50 | 5.00 | |
| n-Butylbenzene | ND | 5.0 | 5.00 | |
| sec-Butylbenzene | ND | 5.0 | 5.00 | |
| tert-Butylbenzene | ND | 5.0 | 5.00 | |
| Carbon Disulfide | ND | 50 | 5.00 | |
| Carbon Tetrachloride | ND | 2.5 | 5.00 | |
| Chlorobenzene | ND | 5.0 | 5.00 | |
| Chloroethane | ND | 25 | 5.00 | |
| Chloroform | ND | 5.0 | 5.00 | |
| Chloromethane | ND | 50 | 5.00 | |
| 2-Chlorotoluene | ND | 5.0 | 5.00 | |
| 4-Chlorotoluene | ND | 5.0 | 5.00 | |
| Dibromochloromethane | ND | 5.0 | 5.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 25 | 5.00 | |
| 1,2-Dibromoethane | ND | 5.0 | 5.00 | |
| Dibromomethane | ND | 5.0 | 5.00 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 5.00 | |
| Dichlorodifluoromethane | ND | 5.0 | 5.00 | |
| 1,1-Dichloroethane | ND | 5.0 | 5.00 | |
| 1,2-Dichloroethane | ND | 2.5 | 5.00 | |
| 1,1-Dichloroethene | ND | 5.0 | 5.00 | |
| c-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| t-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| 1,2-Dichloropropane | ND | 5.0 | 5.00 | |
| 1,3-Dichloropropane | ND | 5.0 | 5.00 | |
| 2,2-Dichloropropane | ND | 5.0 | 5.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| 1,1-Dichloropropene | ND | 5.0 | 5.00 | |
| c-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| t-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| Ethylbenzene | ND | 5.0 | 5.00 | |
| 2-Hexanone | ND | 50 | 5.00 | |
| Isopropylbenzene | ND | 5.0 | 5.00 | |
| p-Isopropyltoluene | ND | 5.0 | 5.00 | |
| Methylene Chloride | ND | 50 | 5.00 | |
| 4-Methyl-2-Pentanone | ND | 50 | 5.00 | |
| Naphthalene | ND | 50 | 5.00 | |
| n-Propylbenzene | ND | 5.0 | 5.00 | |
| Styrene | ND | 5.0 | 5.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| Tetrachloroethene | ND | 5.0 | 5.00 | |
| Toluene | ND | 5.0 | 5.00 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 5.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 50 | 5.00 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 5.00 | |
| Trichloroethene | ND | 5.0 | 5.00 | |
| Trichlorofluoromethane | ND | 50 | 5.00 | |
| 1,2,3-Trichloropropane | ND | 25 | 5.00 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 5.00 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 5.00 | |
| Vinyl Acetate | ND | 50 | 5.00 | |
| Vinyl Chloride | ND | 2.5 | 5.00 | |
| p/m-Xylene | ND | 5.0 | 5.00 | |
| o-Xylene | ND | 5.0 | 5.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 5.0 | 5.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 93 | 77-120 | | |
| Dibromofluoromethane | 99 | 80-128 | | |
| 1,2-Dichloroethane-d4 | 94 | 80-129 | | |
| Toluene-d8 | 98 | 80-120 | | |



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-17 | 18-08-1413-2-A | 08/16/18 09:30 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 04:26 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|-----|------|------------|
| Acetone | ND | 100 | 5.00 | |
| Benzene | ND | 2.5 | 5.00 | |
| Bromobenzene | ND | 5.0 | 5.00 | |
| Bromochloromethane | ND | 5.0 | 5.00 | |
| Bromodichloromethane | ND | 5.0 | 5.00 | |
| Bromoform | ND | 5.0 | 5.00 | |
| Bromomethane | ND | 50 | 5.00 | |
| 2-Butanone | ND | 50 | 5.00 | |
| n-Butylbenzene | ND | 5.0 | 5.00 | |
| sec-Butylbenzene | ND | 5.0 | 5.00 | |
| tert-Butylbenzene | ND | 5.0 | 5.00 | |
| Carbon Disulfide | ND | 50 | 5.00 | |
| Carbon Tetrachloride | ND | 2.5 | 5.00 | |
| Chlorobenzene | ND | 5.0 | 5.00 | |
| Chloroethane | ND | 25 | 5.00 | |
| Chloroform | ND | 5.0 | 5.00 | |
| Chloromethane | ND | 50 | 5.00 | |
| 2-Chlorotoluene | ND | 5.0 | 5.00 | |
| 4-Chlorotoluene | ND | 5.0 | 5.00 | |
| Dibromochloromethane | ND | 5.0 | 5.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 25 | 5.00 | |
| 1,2-Dibromoethane | ND | 5.0 | 5.00 | |
| Dibromomethane | ND | 5.0 | 5.00 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 5.00 | |
| Dichlorodifluoromethane | ND | 5.0 | 5.00 | |
| 1,1-Dichloroethane | ND | 5.0 | 5.00 | |
| 1,2-Dichloroethane | ND | 2.5 | 5.00 | |
| 1,1-Dichloroethene | ND | 5.0 | 5.00 | |
| c-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| t-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| 1,2-Dichloropropane | ND | 5.0 | 5.00 | |
| 1,3-Dichloropropane | ND | 5.0 | 5.00 | |
| 2,2-Dichloropropane | ND | 5.0 | 5.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| 1,1-Dichloropropene | ND | 5.0 | 5.00 | |
| c-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| t-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| Ethylbenzene | ND | 5.0 | 5.00 | |
| 2-Hexanone | ND | 50 | 5.00 | |
| Isopropylbenzene | ND | 5.0 | 5.00 | |
| p-Isopropyltoluene | ND | 5.0 | 5.00 | |
| Methylene Chloride | ND | 50 | 5.00 | |
| 4-Methyl-2-Pentanone | ND | 50 | 5.00 | |
| Naphthalene | ND | 50 | 5.00 | |
| n-Propylbenzene | ND | 5.0 | 5.00 | |
| Styrene | ND | 5.0 | 5.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| Tetrachloroethene | ND | 5.0 | 5.00 | |
| Toluene | ND | 5.0 | 5.00 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 5.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 50 | 5.00 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 5.00 | |
| Trichloroethene | ND | 5.0 | 5.00 | |
| Trichlorofluoromethane | ND | 50 | 5.00 | |
| 1,2,3-Trichloropropane | ND | 25 | 5.00 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 5.00 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 5.00 | |
| Vinyl Acetate | ND | 50 | 5.00 | |
| Vinyl Chloride | ND | 2.5 | 5.00 | |
| p/m-Xylene | ND | 5.0 | 5.00 | |
| o-Xylene | ND | 5.0 | 5.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 5.0 | 5.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 93 | 77-120 | | |
| Dibromofluoromethane | 99 | 80-128 | | |
| 1,2-Dichloroethane-d4 | 96 | 80-129 | | |
| Toluene-d8 | 99 | 80-120 | | |



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-20 | 18-08-1413-3-A | 08/16/18 10:20 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 04:57 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|-----|------|------------|
| Acetone | ND | 100 | 5.00 | |
| Benzene | ND | 2.5 | 5.00 | |
| Bromobenzene | ND | 5.0 | 5.00 | |
| Bromochloromethane | ND | 5.0 | 5.00 | |
| Bromodichloromethane | ND | 5.0 | 5.00 | |
| Bromoform | ND | 5.0 | 5.00 | |
| Bromomethane | ND | 50 | 5.00 | |
| 2-Butanone | ND | 50 | 5.00 | |
| n-Butylbenzene | ND | 5.0 | 5.00 | |
| sec-Butylbenzene | ND | 5.0 | 5.00 | |
| tert-Butylbenzene | ND | 5.0 | 5.00 | |
| Carbon Disulfide | ND | 50 | 5.00 | |
| Carbon Tetrachloride | ND | 2.5 | 5.00 | |
| Chlorobenzene | ND | 5.0 | 5.00 | |
| Chloroethane | ND | 25 | 5.00 | |
| Chloroform | ND | 5.0 | 5.00 | |
| Chloromethane | ND | 50 | 5.00 | |
| 2-Chlorotoluene | ND | 5.0 | 5.00 | |
| 4-Chlorotoluene | ND | 5.0 | 5.00 | |
| Dibromochloromethane | ND | 5.0 | 5.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 25 | 5.00 | |
| 1,2-Dibromoethane | ND | 5.0 | 5.00 | |
| Dibromomethane | ND | 5.0 | 5.00 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 5.00 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 5.00 | |
| Dichlorodifluoromethane | ND | 5.0 | 5.00 | |
| 1,1-Dichloroethane | ND | 5.0 | 5.00 | |
| 1,2-Dichloroethane | ND | 2.5 | 5.00 | |
| 1,1-Dichloroethene | ND | 5.0 | 5.00 | |
| c-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| t-1,2-Dichloroethene | ND | 5.0 | 5.00 | |
| 1,2-Dichloropropane | ND | 5.0 | 5.00 | |
| 1,3-Dichloropropane | ND | 5.0 | 5.00 | |
| 2,2-Dichloropropane | ND | 5.0 | 5.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
 30423 Canwood St., Suite 208
 Agoura Hills, CA 91301-4316

Date Received: 08/16/18
 Work Order: 18-08-1413
 Preparation: EPA 5030C
 Method: EPA 8260B
 Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 5.0 | 5.00 | |
| c-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| t-1,3-Dichloropropene | ND | 2.5 | 5.00 | |
| Ethylbenzene | ND | 5.0 | 5.00 | |
| 2-Hexanone | ND | 50 | 5.00 | |
| Isopropylbenzene | ND | 5.0 | 5.00 | |
| p-Isopropyltoluene | ND | 5.0 | 5.00 | |
| Methylene Chloride | ND | 50 | 5.00 | |
| 4-Methyl-2-Pentanone | ND | 50 | 5.00 | |
| Naphthalene | ND | 50 | 5.00 | |
| n-Propylbenzene | ND | 5.0 | 5.00 | |
| Styrene | ND | 5.0 | 5.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 5.00 | |
| Tetrachloroethene | ND | 5.0 | 5.00 | |
| Toluene | ND | 5.0 | 5.00 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 5.00 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 5.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 50 | 5.00 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 5.00 | |
| Trichloroethene | ND | 5.0 | 5.00 | |
| Trichlorofluoromethane | ND | 50 | 5.00 | |
| 1,2,3-Trichloropropane | ND | 25 | 5.00 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 5.00 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 5.00 | |
| Vinyl Acetate | ND | 50 | 5.00 | |
| Vinyl Chloride | ND | 2.5 | 5.00 | |
| p/m-Xylene | ND | 5.0 | 5.00 | |
| o-Xylene | ND | 5.0 | 5.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 5.0 | 5.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 93 | 77-120 | |
| Dibromofluoromethane | 97 | 80-128 | |
| 1,2-Dichloroethane-d4 | 94 | 80-129 | |
| Toluene-d8 | 100 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-22 | 18-08-1413-4-A | 08/16/18 11:01 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 05:28 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | ND | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 95 | 77-120 | |
| Dibromofluoromethane | 100 | 80-128 | |
| 1,2-Dichloroethane-d4 | 97 | 80-129 | |
| Toluene-d8 | 100 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-15 | 18-08-1413-5-A | 08/16/18 11:53 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 05:59 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | ND | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 93 | 77-120 | |
| Dibromofluoromethane | 99 | 80-128 | |
| 1,2-Dichloroethane-d4 | 95 | 80-129 | |
| Toluene-d8 | 100 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-19 | 18-08-1413-6-A | 08/16/18 12:33 | Aqueous | GC/MS JJ | 08/22/18 | 08/23/18 06:31 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | ND | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 93 | 77-120 | |
| Dibromofluoromethane | 99 | 80-128 | |
| 1,2-Dichloroethane-d4 | 96 | 80-129 | |
| Toluene-d8 | 99 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-18 | 18-08-1413-7-B | 08/16/18 13:15 | Aqueous | GC/MS JJ | 08/23/18 | 08/24/18 03:24 | 180823L050 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | 2.7 | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | 3.2 | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 95 | 77-120 | |
| Dibromofluoromethane | 97 | 80-128 | |
| 1,2-Dichloroethane-d4 | 96 | 80-129 | |
| Toluene-d8 | 100 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank | 099-14-001-26705 | N/A | Aqueous | GC/MS JJ | 08/22/18 | 08/22/18 21:39 | 180822L042 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | ND | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 92 | 77-120 | |
| Dibromofluoromethane | 99 | 80-128 | |
| 1,2-Dichloroethane-d4 | 95 | 80-129 | |
| Toluene-d8 | 98 | 80-120 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank | 099-14-001-26729 | N/A | Aqueous | GC/MS JJ | 08/23/18 | 08/23/18 18:37 | 180823L050 |

| Parameter | Result | RL | DF | Qualifiers |
|-----------------------------|--------|------|------|------------|
| Acetone | ND | 20 | 1.00 | |
| Benzene | ND | 0.50 | 1.00 | |
| Bromobenzene | ND | 1.0 | 1.00 | |
| Bromochloromethane | ND | 1.0 | 1.00 | |
| Bromodichloromethane | ND | 1.0 | 1.00 | |
| Bromoform | ND | 1.0 | 1.00 | |
| Bromomethane | ND | 10 | 1.00 | |
| 2-Butanone | ND | 10 | 1.00 | |
| n-Butylbenzene | ND | 1.0 | 1.00 | |
| sec-Butylbenzene | ND | 1.0 | 1.00 | |
| tert-Butylbenzene | ND | 1.0 | 1.00 | |
| Carbon Disulfide | ND | 10 | 1.00 | |
| Carbon Tetrachloride | ND | 0.50 | 1.00 | |
| Chlorobenzene | ND | 1.0 | 1.00 | |
| Chloroethane | ND | 5.0 | 1.00 | |
| Chloroform | ND | 1.0 | 1.00 | |
| Chloromethane | ND | 10 | 1.00 | |
| 2-Chlorotoluene | ND | 1.0 | 1.00 | |
| 4-Chlorotoluene | ND | 1.0 | 1.00 | |
| Dibromochloromethane | ND | 1.0 | 1.00 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1.00 | |
| 1,2-Dibromoethane | ND | 1.0 | 1.00 | |
| Dibromomethane | ND | 1.0 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1.00 | |
| Dichlorodifluoromethane | ND | 1.0 | 1.00 | |
| 1,1-Dichloroethane | ND | 1.0 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.50 | 1.00 | |
| 1,1-Dichloroethene | ND | 1.0 | 1.00 | |
| c-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| t-1,2-Dichloroethene | ND | 1.0 | 1.00 | |
| 1,2-Dichloropropane | ND | 1.0 | 1.00 | |
| 1,3-Dichloropropane | ND | 1.0 | 1.00 | |
| 2,2-Dichloropropane | ND | 1.0 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: TSA

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| 1,1-Dichloropropene | ND | 1.0 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.50 | 1.00 | |
| Ethylbenzene | ND | 1.0 | 1.00 | |
| 2-Hexanone | ND | 10 | 1.00 | |
| Isopropylbenzene | ND | 1.0 | 1.00 | |
| p-Isopropyltoluene | ND | 1.0 | 1.00 | |
| Methylene Chloride | ND | 10 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 10 | 1.00 | |
| Naphthalene | ND | 10 | 1.00 | |
| n-Propylbenzene | ND | 1.0 | 1.00 | |
| Styrene | ND | 1.0 | 1.00 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 1.00 | |
| Tetrachloroethene | ND | 1.0 | 1.00 | |
| Toluene | ND | 1.0 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 1.0 | 1.00 | |
| Trichloroethene | ND | 1.0 | 1.00 | |
| Trichlorofluoromethane | ND | 10 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 1.00 | |
| Vinyl Acetate | ND | 10 | 1.00 | |
| Vinyl Chloride | ND | 0.50 | 1.00 | |
| p/m-Xylene | ND | 1.0 | 1.00 | |
| o-Xylene | ND | 1.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 92 | 77-120 | | |
| Dibromofluoromethane | 99 | 80-128 | | |
| 1,2-Dichloroethane-d4 | 95 | 80-129 | | |
| Toluene-d8 | 98 | 80-120 | | |



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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|---------|------------|---------------|----------------|---------------------|
| 18-08-1432-5 | Sample | Aqueous | IC 7 | N/A | 08/17/18 13:55 | 180817S01 |
| 18-08-1432-5 | Matrix Spike | Aqueous | IC 7 | N/A | 08/17/18 14:14 | 180817S01 |
| 18-08-1432-5 | Matrix Spike Duplicate | Aqueous | IC 7 | N/A | 08/17/18 14:32 | 180817S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|----------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Chloride | 68.84 | 50.00 | 126.3 | 115 | 128.4 | 119 | 80-120 | 2 | 0-20 | |
| Nitrate (as N) | 6.438 | 5.000 | 12.02 | 112 | 12.22 | 116 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|---------|------------|---------------|----------------|---------------------|
| 18-08-1587-2 | Sample | Aqueous | IC 7 | N/A | 08/18/18 21:22 | 180818S01 |
| 18-08-1587-2 | Matrix Spike | Aqueous | IC 7 | N/A | 08/18/18 21:41 | 180818S01 |
| 18-08-1587-2 | Matrix Spike Duplicate | Aqueous | IC 7 | N/A | 08/18/18 21:59 | 180818S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Chloride | 117.7 | 50.00 | 176.8 | 118 | 175.8 | 116 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|---------|------------|---------------|----------------|---------------------|
| 18-08-1080-1 | Sample | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:45 | 180819SA1 |
| 18-08-1080-1 | Matrix Spike | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:47 | 180819SA1 |
| 18-08-1080-1 | Matrix Spike Duplicate | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:49 | 180819SA1 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Antimony | ND | 0.5000 | 0.5649 | 113 | 0.5604 | 112 | 72-132 | 1 | 0-10 | |
| Arsenic | 0.03292 | 0.5000 | 0.6177 | 117 | 0.6114 | 116 | 80-140 | 1 | 0-11 | |
| Barium | 0.07995 | 0.5000 | 0.6446 | 113 | 0.6435 | 113 | 87-123 | 0 | 0-6 | |
| Beryllium | ND | 0.5000 | 0.5382 | 108 | 0.5330 | 107 | 89-119 | 1 | 0-8 | |
| Cadmium | ND | 0.5000 | 0.6040 | 121 | 0.5998 | 120 | 82-124 | 1 | 0-7 | |
| Chromium | ND | 0.5000 | 0.5591 | 112 | 0.5598 | 112 | 86-122 | 0 | 0-8 | |
| Cobalt | ND | 0.5000 | 0.5677 | 114 | 0.5659 | 113 | 83-125 | 0 | 0-7 | |
| Copper | ND | 0.5000 | 0.5638 | 113 | 0.5645 | 113 | 78-126 | 0 | 0-7 | |
| Lead | ND | 0.5000 | 0.5438 | 109 | 0.5409 | 108 | 84-120 | 1 | 0-7 | |
| Molybdenum | 0.2811 | 0.5000 | 0.8367 | 111 | 0.8297 | 110 | 78-126 | 1 | 0-7 | |
| Nickel | ND | 0.5000 | 0.5856 | 117 | 0.5820 | 116 | 84-120 | 1 | 0-7 | |
| Selenium | 0.03667 | 0.5000 | 0.6340 | 119 | 0.6401 | 121 | 79-127 | 1 | 0-9 | |
| Silver | ND | 0.2500 | 0.03333 | 13 | 0.02572 | 10 | 86-128 | 26 | 0-7 | 3,4 |
| Thallium | 0.02463 | 0.5000 | 0.5483 | 105 | 0.5444 | 104 | 79-121 | 1 | 0-8 | |
| Vanadium | ND | 0.5000 | 0.5438 | 109 | 0.5436 | 109 | 88-118 | 0 | 0-7 | |
| Sodium | 1152 | 5.000 | 1100 | 4X | 1076 | 4X | 73-127 | 4X | 0-9 | Q |
| Zinc | 0.04699 | 0.5000 | 0.6001 | 111 | 0.5984 | 110 | 89-131 | 0 | 0-8 | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|-------------------------------|----------------|-------------------|-----------------|-----------------------|---------------------|
| MW-14 | Sample | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:39 | 180818SA1 |
| MW-14 | Matrix Spike | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:42 | 180818SA1 |
| MW-14 | Matrix Spike Duplicate | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:44 | 180818SA1 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| Mercury | ND | 0.01000 | 0.01024 | 102 | 0.01056 | 106 | 55-133 | 3 | 0-20 | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|---------|------------|---------------|----------------|---------------------|
| 18-08-1139-6 | Sample | Aqueous | GC/MS JJ | 08/23/18 | 08/23/18 19:39 | 180823S015 |
| 18-08-1139-6 | Matrix Spike | Aqueous | GC/MS JJ | 08/23/18 | 08/23/18 20:38 | 180823S015 |
| 18-08-1139-6 | Matrix Spike Duplicate | Aqueous | GC/MS JJ | 08/23/18 | 08/23/18 21:09 | 180823S015 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Acetone | ND | 50.00 | 36.59 | 73 | 33.57 | 67 | 50-146 | 9 | 0-28 | |
| Benzene | ND | 50.00 | 53.67 | 107 | 52.52 | 105 | 75-125 | 2 | 0-20 | |
| Bromobenzene | ND | 50.00 | 59.25 | 118 | 55.52 | 111 | 75-125 | 7 | 0-20 | |
| Bromochloromethane | ND | 50.00 | 69.13 | 138 | 58.51 | 117 | 75-127 | 17 | 0-20 | 3 |
| Bromodichloromethane | ND | 50.00 | 53.60 | 107 | 52.94 | 106 | 75-128 | 1 | 0-20 | |
| Bromoform | ND | 50.00 | 50.21 | 100 | 53.00 | 106 | 69-129 | 5 | 0-20 | |
| Bromomethane | ND | 50.00 | 78.90 | 158 | 65.94 | 132 | 26-176 | 18 | 0-40 | |
| 2-Butanone | ND | 50.00 | 37.55 | 75 | 37.17 | 74 | 62-134 | 1 | 0-20 | |
| n-Butylbenzene | ND | 50.00 | 61.13 | 122 | 52.82 | 106 | 75-137 | 15 | 0-20 | |
| sec-Butylbenzene | ND | 50.00 | 57.35 | 115 | 52.64 | 105 | 75-131 | 9 | 0-20 | |
| tert-Butylbenzene | ND | 50.00 | 57.49 | 115 | 53.81 | 108 | 75-133 | 7 | 0-20 | |
| Carbon Disulfide | ND | 50.00 | 55.70 | 111 | 56.55 | 113 | 50-152 | 2 | 0-31 | |
| Carbon Tetrachloride | ND | 50.00 | 62.46 | 125 | 54.85 | 110 | 73-145 | 13 | 0-20 | |
| Chlorobenzene | ND | 50.00 | 56.54 | 113 | 54.69 | 109 | 75-125 | 3 | 0-20 | |
| Chloroethane | ND | 50.00 | 58.93 | 118 | 51.31 | 103 | 59-149 | 14 | 0-20 | |
| Chloroform | ND | 50.00 | 58.83 | 118 | 52.79 | 106 | 75-125 | 11 | 0-20 | |
| Chloromethane | ND | 50.00 | 49.37 | 99 | 39.40 | 79 | 55-145 | 22 | 0-20 | 4 |
| 2-Chlorotoluene | ND | 50.00 | 58.62 | 117 | 53.38 | 107 | 75-125 | 9 | 0-20 | |
| 4-Chlorotoluene | ND | 50.00 | 55.50 | 111 | 53.59 | 107 | 75-125 | 3 | 0-20 | |
| Dibromochloromethane | ND | 50.00 | 53.35 | 107 | 54.41 | 109 | 75-129 | 2 | 0-20 | |
| 1,2-Dibromo-3-Chloropropane | ND | 50.00 | 48.13 | 96 | 48.35 | 97 | 69-135 | 0 | 0-20 | |
| 1,2-Dibromoethane | ND | 50.00 | 52.80 | 106 | 52.82 | 106 | 75-125 | 0 | 0-20 | |
| Dibromomethane | ND | 50.00 | 54.41 | 109 | 53.15 | 106 | 75-125 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | ND | 50.00 | 57.57 | 115 | 54.30 | 109 | 75-125 | 6 | 0-20 | |
| 1,3-Dichlorobenzene | ND | 50.00 | 56.85 | 114 | 53.81 | 108 | 75-125 | 5 | 0-20 | |
| 1,4-Dichlorobenzene | ND | 50.00 | 55.66 | 111 | 53.33 | 107 | 75-125 | 4 | 0-20 | |
| Dichlorodifluoromethane | ND | 50.00 | 64.44 | 129 | 50.25 | 100 | 25-169 | 25 | 0-20 | 4 |
| 1,1-Dichloroethane | ND | 50.00 | 51.85 | 104 | 45.97 | 92 | 75-125 | 12 | 0-20 | |
| 1,2-Dichloroethane | ND | 50.00 | 53.03 | 106 | 52.16 | 104 | 75-125 | 2 | 0-20 | |
| 1,1-Dichloroethene | ND | 50.00 | 52.65 | 105 | 45.43 | 91 | 64-142 | 15 | 0-22 | |
| c-1,2-Dichloroethene | 5.871 | 50.00 | 68.13 | 125 | 60.80 | 110 | 75-128 | 11 | 0-20 | |
| t-1,2-Dichloroethene | ND | 50.00 | 63.89 | 128 | 56.40 | 113 | 76-136 | 12 | 0-20 | |
| 1,2-Dichloropropane | ND | 50.00 | 53.43 | 107 | 52.42 | 105 | 75-125 | 2 | 0-20 | |
| 1,3-Dichloropropane | ND | 50.00 | 51.71 | 103 | 52.19 | 104 | 75-125 | 1 | 0-20 | |
| 2,2-Dichloropropane | ND | 50.00 | 60.94 | 122 | 52.53 | 105 | 32-170 | 15 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

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| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| 1,1-Dichloropropene | ND | 50.00 | 61.30 | 123 | 53.07 | 106 | 75-133 | 14 | 0-20 | |
| c-1,3-Dichloropropene | ND | 50.00 | 55.52 | 111 | 54.18 | 108 | 75-133 | 2 | 0-20 | |
| t-1,3-Dichloropropene | ND | 50.00 | 53.07 | 106 | 53.25 | 106 | 74-140 | 0 | 0-20 | |
| Ethylbenzene | ND | 50.00 | 58.23 | 116 | 55.58 | 111 | 75-125 | 5 | 0-20 | |
| 2-Hexanone | ND | 50.00 | 43.42 | 87 | 42.79 | 86 | 59-143 | 1 | 0-20 | |
| Isopropylbenzene | ND | 50.00 | 60.86 | 122 | 55.17 | 110 | 75-133 | 10 | 0-20 | |
| p-Isopropyltoluene | ND | 50.00 | 59.33 | 119 | 53.20 | 106 | 75-132 | 11 | 0-20 | |
| Methylene Chloride | ND | 50.00 | 59.38 | 119 | 50.67 | 101 | 75-130 | 16 | 0-20 | |
| 4-Methyl-2-Pentanone | ND | 50.00 | 48.14 | 96 | 45.71 | 91 | 66-138 | 5 | 0-20 | |
| Naphthalene | ND | 50.00 | 55.62 | 111 | 54.44 | 109 | 71-131 | 2 | 0-20 | |
| n-Propylbenzene | ND | 50.00 | 61.67 | 123 | 54.72 | 109 | 75-132 | 12 | 0-20 | |
| Styrene | ND | 50.00 | 59.10 | 118 | 53.82 | 108 | 75-132 | 9 | 0-40 | |
| 1,1,1,2-Tetrachloroethane | ND | 50.00 | 55.29 | 111 | 55.23 | 110 | 75-130 | 0 | 0-20 | |
| 1,1,2,2-Tetrachloroethane | ND | 50.00 | 48.48 | 97 | 50.20 | 100 | 75-131 | 3 | 0-20 | |
| Tetrachloroethene | ND | 50.00 | 52.52 | 105 | 50.71 | 101 | 59-131 | 4 | 0-20 | |
| Toluene | ND | 50.00 | 58.23 | 116 | 55.01 | 110 | 75-125 | 6 | 0-20 | |
| 1,2,3-Trichlorobenzene | ND | 50.00 | 58.53 | 117 | 53.23 | 106 | 75-129 | 9 | 0-20 | |
| 1,2,4-Trichlorobenzene | ND | 50.00 | 60.85 | 122 | 53.33 | 107 | 73-133 | 13 | 0-20 | |
| 1,1,1-Trichloroethane | ND | 50.00 | 58.54 | 117 | 52.45 | 105 | 75-132 | 11 | 0-20 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 50.00 | 51.24 | 102 | 42.09 | 84 | 47-161 | 20 | 0-24 | |
| 1,1,2-Trichloroethane | ND | 50.00 | 50.96 | 102 | 52.21 | 104 | 75-125 | 2 | 0-20 | |
| Trichloroethene | ND | 50.00 | 54.63 | 109 | 53.72 | 107 | 75-130 | 2 | 0-20 | |
| Trichlorofluoromethane | ND | 50.00 | 62.87 | 126 | 53.16 | 106 | 60-162 | 17 | 0-20 | |
| 1,2,3-Trichloropropane | ND | 50.00 | 54.65 | 109 | 51.62 | 103 | 75-132 | 6 | 0-20 | |
| 1,2,4-Trimethylbenzene | ND | 50.00 | 55.84 | 112 | 52.03 | 104 | 75-126 | 7 | 0-20 | |
| 1,3,5-Trimethylbenzene | ND | 50.00 | 61.03 | 122 | 53.91 | 108 | 75-133 | 12 | 0-20 | |
| Vinyl Acetate | ND | 50.00 | 57.06 | 114 | 51.63 | 103 | 20-161 | 10 | 0-40 | |
| Vinyl Chloride | 32.73 | 50.00 | 101.9 | 138 | 84.39 | 103 | 61-151 | 19 | 0-20 | |
| p/m-Xylene | ND | 100.0 | 119.3 | 119 | 111.0 | 111 | 75-133 | 7 | 0-20 | |
| o-Xylene | ND | 50.00 | 60.48 | 121 | 56.70 | 113 | 75-136 | 6 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 50.00 | 45.90 | 92 | 41.23 | 82 | 75-128 | 11 | 0-20 | |

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RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: SM 4500 H+ B

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|-------------------------|----------------|-------------|-----------------------|-----------------------|------------------------|
| MW-14 | Sample | Aqueous | PH 1 | 08/16/18 00:00 | 08/16/18 23:01 | I0816PHD2 |
| MW-14 | Sample Duplicate | Aqueous | PH 1 | 08/16/18 00:00 | 08/16/18 23:01 | I0816PHD2 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>DUP Conc.</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|------------------|------------|---------------|-------------------|
| pH | 6.710 | 6.710 | 0 | 0-25 | |

Quality Control - LCS

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---------------------------|------------|--------------------|------------------------|------------------|-----------------------|-------------------|
| 099-12-906-8731 | LCS | Aqueous | IC 7 | N/A | 08/17/18 09:44 | 180817L01 |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
| Chloride | | 50.00 | 49.69 | 99 | 90-110 | |
| Nitrate (as N) | | 5.000 | 4.937 | 99 | 90-110 | |

Quality Control - LCS/LCSD

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: N/A
Method: EPA 300.0

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-12-906-8732 | LCS | Aqueous | IC 7 | N/A | 08/18/18 11:52 | 180818L01 | | | |
| 099-12-906-8732 | LCSD | Aqueous | IC 7 | N/A | 08/18/18 12:10 | 180818L01 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Chloride | 50.00 | 46.60 | 93 | 46.93 | 94 | 90-110 | 1 | 0-15 | |

Quality Control - LCS/LCSD

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-498-630 | LCS | Aqueous | GC 49 | 08/20/18 | 08/20/18 15:27 | 180820B02 | | | |
| 099-15-498-630 | LCSD | Aqueous | GC 49 | 08/20/18 | 08/20/18 15:47 | 180820B02 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| TPH as Diesel | 4000 | 3907 | 98 | 4091 | 102 | 69-123 | 5 | 0-30 | |

Quality Control - LCS

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: TSA

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number | |
|---------------------------|------------|--------------------|------------------------|------------------|-----------------------|------------------|-------------------|
| 097-01-003-17015 | LCS | Aqueous | ICP 8300 | 08/19/18 | 08/25/18 19:43 | 180819LA1 | |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>Qualifiers</u> |
| Antimony | | 0.5000 | 0.4457 | 89 | 80-120 | 73-127 | |
| Arsenic | | 0.5000 | 0.4724 | 94 | 80-120 | 73-127 | |
| Barium | | 0.5000 | 0.5290 | 106 | 80-120 | 73-127 | |
| Beryllium | | 0.5000 | 0.5087 | 102 | 80-120 | 73-127 | |
| Cadmium | | 0.5000 | 0.5253 | 105 | 80-120 | 73-127 | |
| Chromium | | 0.5000 | 0.5132 | 103 | 80-120 | 73-127 | |
| Cobalt | | 0.5000 | 0.5179 | 104 | 80-120 | 73-127 | |
| Copper | | 0.5000 | 0.4940 | 99 | 80-120 | 73-127 | |
| Lead | | 0.5000 | 0.5776 | 116 | 80-120 | 73-127 | |
| Molybdenum | | 0.5000 | 0.5114 | 102 | 80-120 | 73-127 | |
| Nickel | | 0.5000 | 0.5254 | 105 | 80-120 | 73-127 | |
| Selenium | | 0.5000 | 0.4935 | 99 | 80-120 | 73-127 | |
| Silver | | 0.2500 | 0.2520 | 101 | 80-120 | 73-127 | |
| Thallium | | 0.5000 | 0.5377 | 108 | 80-120 | 73-127 | |
| Vanadium | | 0.5000 | 0.4845 | 97 | 80-120 | 73-127 | |
| Sodium | | 5.000 | 5.062 | 101 | 80-120 | 73-127 | |
| Zinc | | 0.5000 | 0.5644 | 113 | 80-120 | 73-127 | |

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Quality Control - LCS

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: TSA

Page 5 of 10

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---------------------------|------------|--------------------|------------------------|------------------|-----------------------|-------------------|
| 099-04-008-8666 | LCS | Aqueous | Mercury 07 | 08/18/18 | 08/18/18 12:37 | 180818LA1 |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
| Mercury | | 0.01000 | 0.01064 | 106 | 80-120 | |

Quality Control - LCS/LCSD

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 3510C
Method: EPA 8081A

Project: TSA

Page 6 of 10

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-12-529-1043 | LCS | Aqueous | GC 44 | 08/17/18 | 08/20/18 20:40 | 180817L02 | | | | |
| 099-12-529-1043 | LCSD | Aqueous | GC 44 | 08/17/18 | 08/20/18 20:54 | 180817L02 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| Alpha-BHC | 0.5000 | 0.5720 | 114 | 0.5674 | 113 | 50-135 | 36-149 | 1 | 0-25 | |
| Gamma-BHC | 0.5000 | 0.5817 | 116 | 0.5775 | 116 | 50-135 | 36-149 | 1 | 0-25 | |
| Beta-BHC | 0.5000 | 0.5614 | 112 | 0.5537 | 111 | 50-135 | 36-149 | 1 | 0-25 | |
| Heptachlor | 0.5000 | 0.5631 | 113 | 0.5670 | 113 | 50-135 | 36-149 | 1 | 0-25 | |
| Delta-BHC | 0.5000 | 0.5405 | 108 | 0.5514 | 110 | 50-135 | 36-149 | 2 | 0-25 | |
| Aldrin | 0.5000 | 0.5337 | 107 | 0.5427 | 109 | 50-135 | 36-149 | 2 | 0-25 | |
| Heptachlor Epoxide | 0.5000 | 0.5917 | 118 | 0.5846 | 117 | 50-135 | 36-149 | 1 | 0-25 | |
| Endosulfan I | 0.5000 | 0.6011 | 120 | 0.5945 | 119 | 50-135 | 36-149 | 1 | 0-25 | |
| Dieldrin | 0.5000 | 0.5928 | 119 | 0.5855 | 117 | 50-135 | 36-149 | 1 | 0-25 | |
| 4,4'-DDE | 0.5000 | 0.5993 | 120 | 0.5933 | 119 | 50-135 | 36-149 | 1 | 0-25 | |
| Endrin | 0.5000 | 0.5723 | 114 | 0.5723 | 114 | 50-135 | 36-149 | 0 | 0-25 | |
| Endrin Aldehyde | 0.5000 | 0.5038 | 101 | 0.5204 | 104 | 50-135 | 36-149 | 3 | 0-25 | |
| 4,4'-DDD | 0.5000 | 0.6154 | 123 | 0.6010 | 120 | 50-135 | 36-149 | 2 | 0-25 | |
| Endosulfan II | 0.5000 | 0.6010 | 120 | 0.5881 | 118 | 50-135 | 36-149 | 2 | 0-25 | |
| 4,4'-DDT | 0.5000 | 0.6118 | 122 | 0.5956 | 119 | 50-135 | 36-149 | 3 | 0-25 | |
| Endosulfan Sulfate | 0.5000 | 0.5898 | 118 | 0.5783 | 116 | 50-135 | 36-149 | 2 | 0-25 | |
| Methoxychlor | 0.5000 | 0.6034 | 121 | 0.5860 | 117 | 50-135 | 36-149 | 3 | 0-25 | |

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

Page 7 of 10

| Quality Control Sample ID | Type | Matrix | | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|-----------------------------|-------------|-----------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-001-26705 | LCS | Aqueous | | GC/MS JJ | 08/22/18 | 08/22/18 19:34 | 180822L042 | | | |
| 099-14-001-26705 | LCSD | Aqueous | | GC/MS JJ | 08/22/18 | 08/22/18 20:06 | 180822L042 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| Acetone | 50.00 | 35.46 | 71 | 35.70 | 71 | 53-137 | 39-151 | 1 | 0-21 | |
| Benzene | 50.00 | 50.21 | 100 | 50.24 | 100 | 79-121 | 72-128 | 0 | 0-20 | |
| Bromobenzene | 50.00 | 55.09 | 110 | 54.32 | 109 | 80-120 | 73-127 | 1 | 0-20 | |
| Bromochloromethane | 50.00 | 57.01 | 114 | 56.79 | 114 | 80-122 | 73-129 | 0 | 0-20 | |
| Bromodichloromethane | 50.00 | 52.02 | 104 | 52.56 | 105 | 80-124 | 73-131 | 1 | 0-20 | |
| Bromoform | 50.00 | 51.34 | 103 | 54.72 | 109 | 73-127 | 64-136 | 6 | 0-20 | |
| Bromomethane | 50.00 | 63.99 | 128 | 65.45 | 131 | 50-150 | 33-167 | 2 | 0-26 | |
| 2-Butanone | 50.00 | 40.52 | 81 | 40.18 | 80 | 60-126 | 49-137 | 1 | 0-20 | |
| n-Butylbenzene | 50.00 | 53.53 | 107 | 55.29 | 111 | 72-138 | 61-149 | 3 | 0-20 | |
| sec-Butylbenzene | 50.00 | 50.95 | 102 | 52.84 | 106 | 77-131 | 68-140 | 4 | 0-20 | |
| tert-Butylbenzene | 50.00 | 52.15 | 104 | 54.84 | 110 | 80-125 | 72-132 | 5 | 0-20 | |
| Carbon Disulfide | 50.00 | 46.01 | 92 | 46.30 | 93 | 50-150 | 33-167 | 1 | 0-22 | |
| Carbon Tetrachloride | 50.00 | 51.11 | 102 | 52.50 | 105 | 65-143 | 52-156 | 3 | 0-20 | |
| Chlorobenzene | 50.00 | 52.80 | 106 | 53.16 | 106 | 80-120 | 73-127 | 1 | 0-20 | |
| Chloroethane | 50.00 | 51.38 | 103 | 50.92 | 102 | 62-128 | 51-139 | 1 | 0-20 | |
| Chloroform | 50.00 | 50.83 | 102 | 51.38 | 103 | 80-120 | 73-127 | 1 | 0-20 | |
| Chloromethane | 50.00 | 44.11 | 88 | 42.66 | 85 | 43-133 | 28-148 | 3 | 0-20 | |
| 2-Chlorotoluene | 50.00 | 52.82 | 106 | 52.00 | 104 | 80-121 | 73-128 | 2 | 0-20 | |
| 4-Chlorotoluene | 50.00 | 51.39 | 103 | 53.17 | 106 | 80-120 | 73-127 | 3 | 0-20 | |
| Dibromochloromethane | 50.00 | 52.54 | 105 | 54.29 | 109 | 80-123 | 73-130 | 3 | 0-20 | |
| 1,2-Dibromo-3-Chloropropane | 50.00 | 48.70 | 97 | 49.78 | 100 | 66-126 | 56-136 | 2 | 0-20 | |
| 1,2-Dibromoethane | 50.00 | 52.12 | 104 | 53.43 | 107 | 80-120 | 73-127 | 2 | 0-20 | |
| Dibromomethane | 50.00 | 52.61 | 105 | 53.07 | 106 | 80-120 | 73-127 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | 50.00 | 54.15 | 108 | 55.03 | 110 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,3-Dichlorobenzene | 50.00 | 52.80 | 106 | 54.02 | 108 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,4-Dichlorobenzene | 50.00 | 51.45 | 103 | 52.84 | 106 | 80-120 | 73-127 | 3 | 0-20 | |
| Dichlorodifluoromethane | 50.00 | 50.38 | 101 | 51.63 | 103 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,1-Dichloroethane | 50.00 | 44.42 | 89 | 44.81 | 90 | 72-126 | 63-135 | 1 | 0-20 | |
| 1,2-Dichloroethane | 50.00 | 51.85 | 104 | 51.86 | 104 | 76-120 | 69-127 | 0 | 0-20 | |
| 1,1-Dichloroethene | 50.00 | 47.69 | 95 | 48.70 | 97 | 66-132 | 55-143 | 2 | 0-20 | |
| c-1,2-Dichloroethene | 50.00 | 52.15 | 104 | 52.11 | 104 | 78-120 | 71-127 | 0 | 0-20 | |
| t-1,2-Dichloroethene | 50.00 | 51.41 | 103 | 52.16 | 104 | 66-132 | 55-143 | 1 | 0-20 | |
| 1,2-Dichloropropane | 50.00 | 50.83 | 102 | 51.43 | 103 | 80-120 | 73-127 | 1 | 0-20 | |
| 1,3-Dichloropropane | 50.00 | 51.05 | 102 | 52.79 | 106 | 80-120 | 73-127 | 3 | 0-20 | |
| 2,2-Dichloropropane | 50.00 | 50.54 | 101 | 50.00 | 100 | 50-150 | 33-167 | 1 | 0-20 | |
| 1,1-Dichloropropene | 50.00 | 49.83 | 100 | 50.77 | 102 | 75-123 | 67-131 | 2 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

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| <u>Parameter</u> | <u>Spike Added</u> | <u>LCS Conc.</u> | <u>LCS %Rec.</u> | <u>LCSD Conc.</u> | <u>LCSD %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|---------------------------------------|--------------------|------------------|------------------|-------------------|-------------------|-----------------|--------------|------------|---------------|-------------------|
| c-1,3-Dichloropropene | 50.00 | 53.64 | 107 | 53.58 | 107 | 77-131 | 68-140 | 0 | 0-20 | |
| t-1,3-Dichloropropene | 50.00 | 51.65 | 103 | 53.05 | 106 | 76-136 | 66-146 | 3 | 0-20 | |
| Ethylbenzene | 50.00 | 53.01 | 106 | 53.43 | 107 | 80-120 | 73-127 | 1 | 0-20 | |
| 2-Hexanone | 50.00 | 45.83 | 92 | 44.94 | 90 | 63-123 | 53-133 | 2 | 0-20 | |
| Isopropylbenzene | 50.00 | 54.05 | 108 | 53.71 | 107 | 80-128 | 72-136 | 1 | 0-20 | |
| p-Isopropyltoluene | 50.00 | 52.94 | 106 | 54.32 | 109 | 73-133 | 63-143 | 3 | 0-20 | |
| Methylene Chloride | 50.00 | 49.93 | 100 | 49.71 | 99 | 61-133 | 49-145 | 0 | 0-27 | |
| 4-Methyl-2-Pentanone | 50.00 | 50.22 | 100 | 49.23 | 98 | 65-125 | 55-135 | 2 | 0-20 | |
| Naphthalene | 50.00 | 52.67 | 105 | 54.34 | 109 | 69-129 | 59-139 | 3 | 0-20 | |
| n-Propylbenzene | 50.00 | 53.88 | 108 | 53.15 | 106 | 80-128 | 72-136 | 1 | 0-20 | |
| Styrene | 50.00 | 56.29 | 113 | 55.69 | 111 | 80-126 | 72-134 | 1 | 0-20 | |
| 1,1,1,2-Tetrachloroethane | 50.00 | 53.16 | 106 | 54.46 | 109 | 80-129 | 72-137 | 2 | 0-20 | |
| 1,1,2,2-Tetrachloroethane | 50.00 | 49.67 | 99 | 52.05 | 104 | 74-122 | 66-130 | 5 | 0-20 | |
| Tetrachloroethene | 50.00 | 46.42 | 93 | 48.48 | 97 | 55-139 | 41-153 | 4 | 0-23 | |
| Toluene | 50.00 | 52.75 | 105 | 52.27 | 105 | 80-120 | 73-127 | 1 | 0-20 | |
| 1,2,3-Trichlorobenzene | 50.00 | 53.27 | 107 | 54.44 | 109 | 72-132 | 62-142 | 2 | 0-20 | |
| 1,2,4-Trichlorobenzene | 50.00 | 54.21 | 108 | 55.81 | 112 | 74-134 | 64-144 | 3 | 0-20 | |
| 1,1,1-Trichloroethane | 50.00 | 49.37 | 99 | 50.08 | 100 | 76-124 | 68-132 | 1 | 0-20 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50.00 | 47.57 | 95 | 49.27 | 99 | 54-150 | 38-166 | 4 | 0-30 | |
| 1,1,2-Trichloroethane | 50.00 | 51.68 | 103 | 52.74 | 105 | 80-120 | 73-127 | 2 | 0-20 | |
| Trichloroethene | 50.00 | 50.30 | 101 | 51.06 | 102 | 79-121 | 72-128 | 1 | 0-20 | |
| Trichlorofluoromethane | 50.00 | 52.83 | 106 | 55.06 | 110 | 72-132 | 62-142 | 4 | 0-20 | |
| 1,2,3-Trichloropropane | 50.00 | 53.16 | 106 | 52.77 | 106 | 75-123 | 67-131 | 1 | 0-20 | |
| 1,2,4-Trimethylbenzene | 50.00 | 52.29 | 105 | 54.72 | 109 | 74-128 | 65-137 | 5 | 0-20 | |
| 1,3,5-Trimethylbenzene | 50.00 | 54.85 | 110 | 54.54 | 109 | 77-131 | 68-140 | 1 | 0-20 | |
| Vinyl Acetate | 50.00 | 51.06 | 102 | 51.25 | 102 | 50-150 | 33-167 | 0 | 0-20 | |
| Vinyl Chloride | 50.00 | 54.56 | 109 | 55.21 | 110 | 63-129 | 52-140 | 1 | 0-20 | |
| p/m-Xylene | 100.0 | 108.0 | 108 | 107.4 | 107 | 80-122 | 73-129 | 0 | 0-20 | |
| o-Xylene | 50.00 | 55.26 | 111 | 55.02 | 110 | 80-128 | 72-136 | 0 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 50.00 | 41.00 | 82 | 41.57 | 83 | 69-123 | 60-132 | 1 | 0-20 | |

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

Page 9 of 10

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number | |
|-----------------------------|------------|--------------------|------------------------|------------------|-----------------------|-------------------|-------------------|
| 099-14-001-26729 | LCS | Aqueous | GC/MS JJ | 08/23/18 | 08/23/18 17:03 | 180823L050 | |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>Qualifiers</u> |
| Acetone | | 50.00 | 37.79 | 76 | 53-137 | 39-151 | |
| Benzene | | 50.00 | 50.07 | 100 | 79-121 | 72-128 | |
| Bromobenzene | | 50.00 | 54.69 | 109 | 80-120 | 73-127 | |
| Bromochloromethane | | 50.00 | 56.15 | 112 | 80-122 | 73-129 | |
| Bromodichloromethane | | 50.00 | 51.60 | 103 | 80-124 | 73-131 | |
| Bromoform | | 50.00 | 52.36 | 105 | 73-127 | 64-136 | |
| Bromomethane | | 50.00 | 66.23 | 132 | 50-150 | 33-167 | |
| 2-Butanone | | 50.00 | 39.49 | 79 | 60-126 | 49-137 | |
| n-Butylbenzene | | 50.00 | 53.50 | 107 | 72-138 | 61-149 | |
| sec-Butylbenzene | | 50.00 | 51.62 | 103 | 77-131 | 68-140 | |
| tert-Butylbenzene | | 50.00 | 52.63 | 105 | 80-125 | 72-132 | |
| Carbon Disulfide | | 50.00 | 48.37 | 97 | 50-150 | 33-167 | |
| Carbon Tetrachloride | | 50.00 | 50.98 | 102 | 65-143 | 52-156 | |
| Chlorobenzene | | 50.00 | 52.68 | 105 | 80-120 | 73-127 | |
| Chloroethane | | 50.00 | 48.78 | 98 | 62-128 | 51-139 | |
| Chloroform | | 50.00 | 49.94 | 100 | 80-120 | 73-127 | |
| Chloromethane | | 50.00 | 37.57 | 75 | 43-133 | 28-148 | |
| 2-Chlorotoluene | | 50.00 | 51.96 | 104 | 80-121 | 73-128 | |
| 4-Chlorotoluene | | 50.00 | 51.72 | 103 | 80-120 | 73-127 | |
| Dibromochloromethane | | 50.00 | 53.32 | 107 | 80-123 | 73-130 | |
| 1,2-Dibromo-3-Chloropropane | | 50.00 | 48.52 | 97 | 66-126 | 56-136 | |
| 1,2-Dibromoethane | | 50.00 | 52.49 | 105 | 80-120 | 73-127 | |
| Dibromomethane | | 50.00 | 51.83 | 104 | 80-120 | 73-127 | |
| 1,2-Dichlorobenzene | | 50.00 | 54.21 | 108 | 80-120 | 73-127 | |
| 1,3-Dichlorobenzene | | 50.00 | 52.76 | 106 | 80-120 | 73-127 | |
| 1,4-Dichlorobenzene | | 50.00 | 52.02 | 104 | 80-120 | 73-127 | |
| Dichlorodifluoromethane | | 50.00 | 49.09 | 98 | 50-150 | 33-167 | |
| 1,1-Dichloroethane | | 50.00 | 43.40 | 87 | 72-126 | 63-135 | |
| 1,2-Dichloroethane | | 50.00 | 50.91 | 102 | 76-120 | 69-127 | |
| 1,1-Dichloroethene | | 50.00 | 48.19 | 96 | 66-132 | 55-143 | |
| c-1,2-Dichloroethene | | 50.00 | 51.74 | 103 | 78-120 | 71-127 | |
| t-1,2-Dichloroethene | | 50.00 | 51.83 | 104 | 66-132 | 55-143 | |
| 1,2-Dichloropropane | | 50.00 | 49.95 | 100 | 80-120 | 73-127 | |
| 1,3-Dichloropropane | | 50.00 | 51.48 | 103 | 80-120 | 73-127 | |
| 2,2-Dichloropropane | | 50.00 | 50.32 | 101 | 50-150 | 33-167 | |
| 1,1-Dichloropropene | | 50.00 | 49.68 | 99 | 75-123 | 67-131 | |
| c-1,3-Dichloropropene | | 50.00 | 53.32 | 107 | 77-131 | 68-140 | |
| t-1,3-Dichloropropene | | 50.00 | 52.05 | 104 | 76-136 | 66-146 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

California Environmental
30423 Canwood St., Suite 208
Agoura Hills, CA 91301-4316

Date Received: 08/16/18
Work Order: 18-08-1413
Preparation: EPA 5030C
Method: EPA 8260B

Project: TSA

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| <u>Parameter</u> | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>Qualifiers</u> |
|---------------------------------------|--------------------|------------------------|------------------|-----------------|--------------|-------------------|
| Ethylbenzene | 50.00 | 52.85 | 106 | 80-120 | 73-127 | |
| 2-Hexanone | 50.00 | 45.23 | 90 | 63-123 | 53-133 | |
| Isopropylbenzene | 50.00 | 53.57 | 107 | 80-128 | 72-136 | |
| p-Isopropyltoluene | 50.00 | 52.87 | 106 | 73-133 | 63-143 | |
| Methylene Chloride | 50.00 | 48.64 | 97 | 61-133 | 49-145 | |
| 4-Methyl-2-Pentanone | 50.00 | 48.39 | 97 | 65-125 | 55-135 | |
| Naphthalene | 50.00 | 51.53 | 103 | 69-129 | 59-139 | |
| n-Propylbenzene | 50.00 | 52.86 | 106 | 80-128 | 72-136 | |
| Styrene | 50.00 | 55.76 | 112 | 80-126 | 72-134 | |
| 1,1,1,2-Tetrachloroethane | 50.00 | 53.49 | 107 | 80-129 | 72-137 | |
| 1,1,2,2-Tetrachloroethane | 50.00 | 50.92 | 102 | 74-122 | 66-130 | |
| Tetrachloroethene | 50.00 | 48.86 | 98 | 55-139 | 41-153 | |
| Toluene | 50.00 | 52.54 | 105 | 80-120 | 73-127 | |
| 1,2,3-Trichlorobenzene | 50.00 | 52.37 | 105 | 72-132 | 62-142 | |
| 1,2,4-Trichlorobenzene | 50.00 | 53.57 | 107 | 74-134 | 64-144 | |
| 1,1,1-Trichloroethane | 50.00 | 49.24 | 98 | 76-124 | 68-132 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50.00 | 47.42 | 95 | 54-150 | 38-166 | |
| 1,1,2-Trichloroethane | 50.00 | 51.77 | 104 | 80-120 | 73-127 | |
| Trichloroethene | 50.00 | 51.29 | 103 | 79-121 | 72-128 | |
| Trichlorofluoromethane | 50.00 | 53.91 | 108 | 72-132 | 62-142 | |
| 1,2,3-Trichloropropane | 50.00 | 52.90 | 106 | 75-123 | 67-131 | |
| 1,2,4-Trimethylbenzene | 50.00 | 53.49 | 107 | 74-128 | 65-137 | |
| 1,3,5-Trimethylbenzene | 50.00 | 54.62 | 109 | 77-131 | 68-140 | |
| Vinyl Acetate | 50.00 | 50.84 | 102 | 50-150 | 33-167 | |
| Vinyl Chloride | 50.00 | 54.37 | 109 | 63-129 | 52-140 | |
| p/m-Xylene | 100.0 | 107.2 | 107 | 80-122 | 73-129 | |
| o-Xylene | 50.00 | 54.66 | 109 | 80-128 | 72-136 | |
| Methyl-t-Butyl Ether (MTBE) | 50.00 | 40.12 | 80 | 69-123 | 60-132 | |

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

Sample Analysis Summary Report

Work Order: 18-08-1413

Page 1 of 1

| <u>Method</u> | <u>Extraction</u> | <u>Chemist ID</u> | <u>Instrument</u> | <u>Analytical Location</u> |
|---------------|-------------------|-------------------|-------------------|----------------------------|
| EPA 300.0 | N/A | 27 | IC 7 | 1 |
| EPA 6010B | EPA 3010A Total | 110 | ICP 8300 | 1 |
| EPA 7470A | EPA 7470A Total | 868 | Mercury 07 | 1 |
| EPA 8015B (M) | EPA 3510C | 972 | GC 49 | 1 |
| EPA 8081A | EPA 3510C | 669 | GC 44 | 1 |
| EPA 8260B | EPA 5030C | 1162 | GC/MS JJ | 2 |
| SM 4500 H+ B | N/A | 1139 | PH 1 | 1 |

Glossary of Terms and Qualifiers

Work Order: 18-08-1413

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us23_saler@eurofinsus.com or call us.

LABORATORY CLIENT:

ADDRESS: California Environmental
30423 Combot St ^{Site # 308}
STATE: CA ZIP: 92708
CITY: Agoura Hills CA 91301
E-MAIL: Ryan.Broskie@calenviro.com
TEL: (818) 991-1542 Ryan.Broskie

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

EDD COELT EDF OTHER

SPECIAL INSTRUCTIONS:

WO NO. / LAB USE ONLY
18-08-1413

CHAIN-OF-CUSTODY RECORD

Date 8-16-18

Page 1 of 1

CLIENT PROJECT NAME / NO.: TSA-
PROJECT CONTACT: C. Buckley
GLOBAL ID: com
LOG CODE:
P.O. NO.: 3471
LAB CONTACT OR QUOTE NO.: 956666 965557
SAMPLER(S) (PRINT): Patrick Ho

REQUESTED ANALYSES

Please check box or fill in blank as needed.

| | | | | | | | | | | | |
|---|---|--|--|---|--|---|---------------------------------------|---|---|--|--|
| <input checked="" type="checkbox"/> TPH(g) <input type="checkbox"/> GRO | <input checked="" type="checkbox"/> TPH(d) <input type="checkbox"/> DRO | <input type="checkbox"/> TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44 | <input type="checkbox"/> BTEX / MTBE <input type="checkbox"/> 8260 | <input checked="" type="checkbox"/> VOCs (8260) | <input type="checkbox"/> Oxygenates (8260) | <input type="checkbox"/> Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | <input type="checkbox"/> SVOCs (8270) | <input type="checkbox"/> Pesticides (808) | <input type="checkbox"/> PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | <input checked="" type="checkbox"/> T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | <input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7198 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6 |
|---|---|--|--|---|--|---|---------------------------------------|---|---|--|--|

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. |
|--------------|-----------|----------|------|--------|--------------|
| | | DATE | TIME | | |
| 1 | MW-14 | 8-16-18 | 0849 | W | 8 |
| 2 | MW-17 | | 0930 | | |
| 3 | MW-20 | | 1020 | | |
| 4 | MW-22 | | 1101 | | |
| 5 | MW-15 | | 1153 | | |
| 6 | MW-19 | | 1233 | | |
| 7 | MW-18 | | 1315 | | |

Relinquished by: (Signature) Ryan Broskie
 Relinquished by: (Signature) [Signature]
 Relinquished by: (Signature) [Signature]
 Received by: (Signature/Affiliation) [Signature]
 Received by: (Signature/Affiliation) [Signature]
 Received by: (Signature/Affiliation) [Signature]
 Date: 8-16-18 Time: 2:37
 Date: 8/16/18 Time: 17:30
 Date: Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: California Env'l

DATE: 08/16/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 3.6 °C (w/ CF): 3.1 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 619

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 619

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1163

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Acid/base preserved samples - pH within acceptable range Yes No N/A

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE: (3)

(Trip Blank Lot Number: 2)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB 125PB_{znna} (pH_9)

250AGB 250CGB 250CGBs (pH_2) 250PB 250PB_n (pH_2) 500AGB 500AGJ 500AGJs (pH_2) 500PB

1AGB 1AGB_{na2} 1AGBs (pH_2) 1AGBs (O&G) 1PB 1PB_{na} (pH_12) _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® (____) TerraCores® (____) _____ _____ _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (____): _____ _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄,

Labeled/Checked by: 1163

s = H₂SO₄, **u** = ultra-pure, **x** = Na₂SO₃+NaHSO₄.H₂O, **znna** = Zn (CH₃CO₂)₂ + NaOH

Reviewed by: 836



Calscience

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For courier services / sample drop off information, contact us28_sales@eurofins.com or call us.

LABORATORY CLIENT:

California Environmental
ADDRESS: 30423 Combs St ^{skite 91301}
CITY: Agoura Hills CA 91301
TEL: (818) 991-1542 Ryan.Broskie@calenviro.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

EDO COELT EDF OTHER

SPECIAL INSTRUCTIONS:



CHAIN-OF-CUSTODY RECORD

Date 8-16-18

Page 1 of 1

CLIENT PROJECT NAME / NO.: TSA--
PROJECT CONTACT: C. Buckley
GLOBAL ID: 00M
LOG CODE:
P.O. NO.: 3471
LAB CONTACT OR QUOTE NO.: 95666 965557
SAMPLER(S) (PRINT): Patrick Ho

REQUESTED ANALYSES
Please check box or fill in blank as needed.

| LAB USE ONLY | SAMPLE ID | DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | Unpreserved | Preserved | Field Filtered | <input checked="" type="checkbox"/> TPH(s) <input type="checkbox"/> GRO | <input checked="" type="checkbox"/> TPH <input type="checkbox"/> C8-C16 <input type="checkbox"/> C8-C14 | TPH | BTEX / MTBE <input type="checkbox"/> 8260 | VOCs (8260) | Oxygenates (8260) | Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | SVOCs (8270) | PCBs (8082) | PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | Cr(VI) <input type="checkbox"/> 7198 <input type="checkbox"/> 7199 <input type="checkbox"/> 2186 | ANIONS | |
|--------------|-----------|---------|---------------|--------|--------------|-------------|-----------|----------------|---|---|-----|---|-------------------------------------|-------------------|--|--------------|-------------|--|---|--|--------|--|
| 1 | MW-14 | 8-16-18 | 0849 | W | 8 | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 2 | MW-17 | | 0930 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 3 | MW-20 | | 1020 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 4 | MW-22 | | 1101 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 5 | MW-15 | | 1153 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 6 | MW-19 | | 1253 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
| 7 | MW-18 | | 1315 | | | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |

Received by: (Signature/Affiliation) *Ryan Broskie*
Received by: (Signature/Affiliation) *Patrick Ho*
Received by: (Signature/Affiliation)

Date: 8-16-18 Time: 2:37
Date: 8/16/18 Time: 17:30
Date: Time:

APPENDIX III

Spectrum Geophysics Report



SPECTRUM G E O P H Y S I C S

Revealing The Subsurface

622 Glenoaks Blvd., San Fernando, CA 91340

Project Memo

www.spectrum-geophysics.com

San Fernando, CA
(818) 365-9371

Irvine, CA
(949) 261-5261

San Diego, CA
(760) 738-8561

| | | | |
|--------------|--------------------------------------|----------------|----------------------------|
| Date | 3-7-02 | Project Number | 0203071K |
| Project Name | Maintenance Facility | Client Contact | Chris Rude |
| Site Address | 3233 and 3311 Thatcher Venice, CA | Company | CALifornia Environmental |
| | | Spectrum Staff | Steve Bajadinski / RJ Weep |

| | | | | | | | | | | | |
|-----|---|-----------|-------|-----------|-------|-----------|---------|-------------|---------------------|----------|-------|
| Day | 1 | Labor Hrs | 1 day | Equipment | EM-61 | Equipment | 10A+GIR | Other equip | EM-utility location | Report y | (N) |
| of | 1 | | | | | | | | | Diagram | (Y) N |

Work Performed:

Investigated 9 proposed ground intrusion sites for detectable subsurface interferences. → On 3311 Thatcher (Area 2)

Investigated _____ linear feet of proposed trench for detectable subsurface interferences.

Delineated the surface trace of detectable utilities and subsurface interferences in _____ area(s) approximately _____ feet in size.

Other: Investigated ~~at~~ 2 Areas (65x65) and (120x155) feet in size for detectable USTs/debris. (Area 1 = 3233 Thatcher) approx. Several anomalies were found in area 1 which were associated with monitoring wells. Three anomalies were identified that can be attributed to buried metal debris. One anomaly was found identified in Area 2 which was associated with reinforced concrete under the asphalt. No UST-like signatures were identified in the EM-61 data.

NOTE

Non-metallic and non-electrically conductive piping and materials are not detectable.

We recommend that you hand auger to a depth of _____ feet below ground.

We recommend that you call the One Call Center prior to excavating or installing borings.

Your potential boring locations were investigated for detectable subsurface interferences and their locations have been marked on the ground surface by a 12-inch diameter white circle or by stake or nail or flagging.

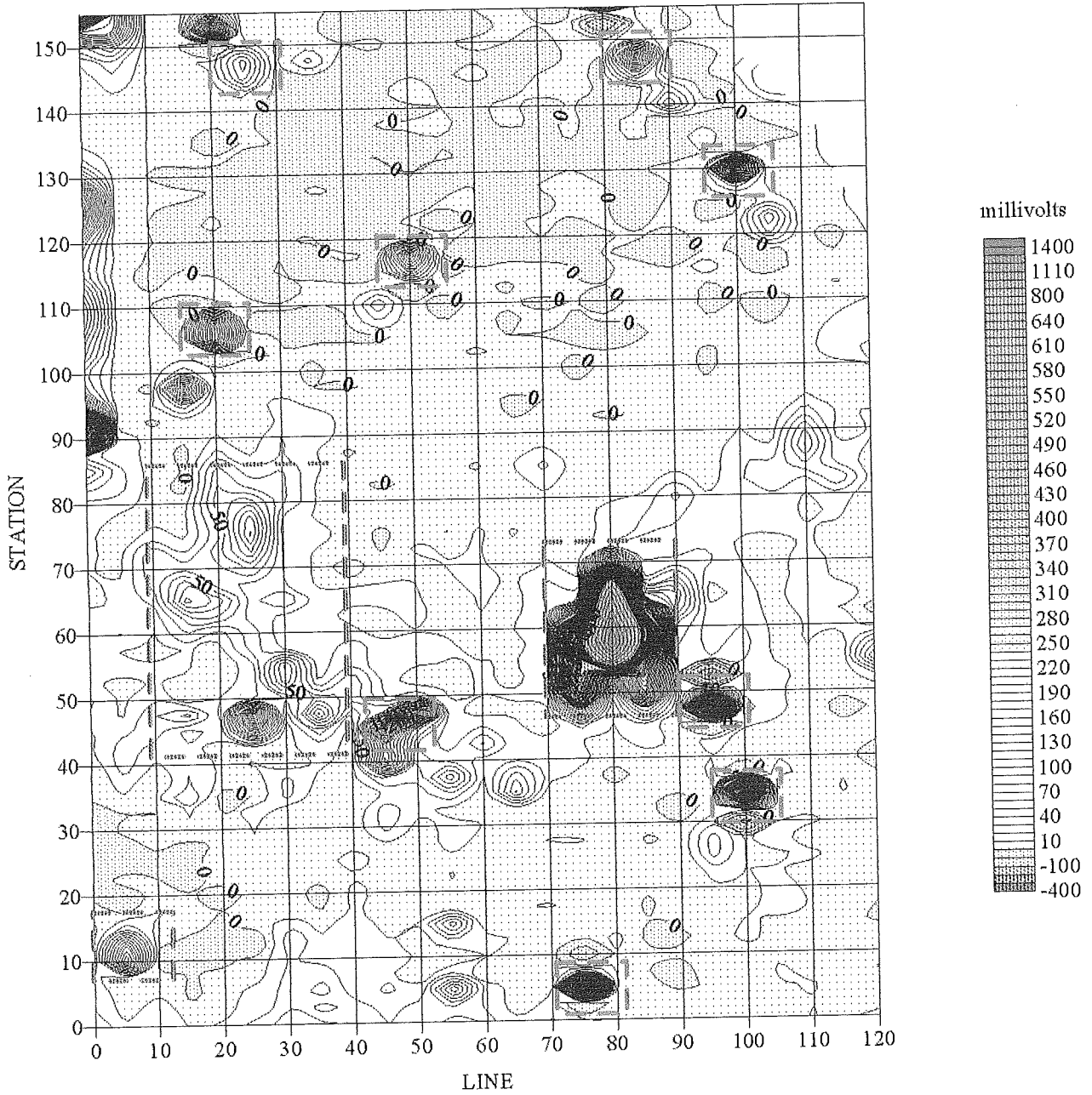
No consideration of liability will be given if borings are installed outside of the white circle or not dead-centered on the flagged stake or nail. Call for a revisit if additional boring locations are required.

| | |
|----------------------|-------------------------|
| Client/Rep Signature | Client's Project Number |
|----------------------|-------------------------|

EM-61 Data Differential Contour Map
 Area 1
 Maintenance Yard
 3233 Thatcher
 Marina Del Rey, California

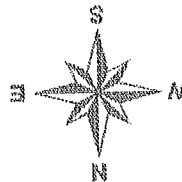


SPECTRUM
GEOPHYSICS
 622 Glenoaks Blvd., San Fernando, CA 91340



EM-61 Anomaly

Monitoring Well



Contour Interval:
 10 millivolts



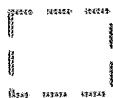
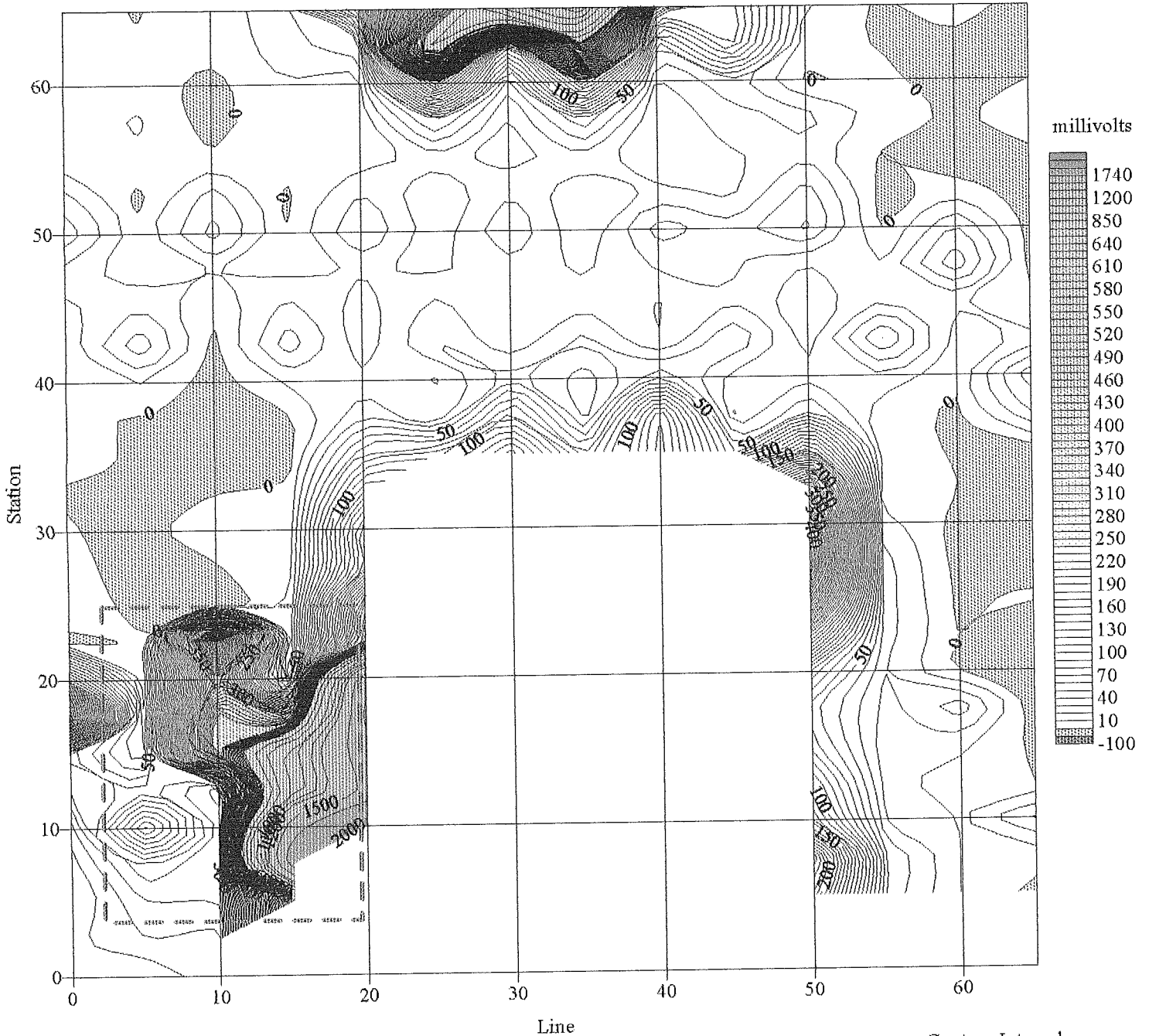
Scale: 1 inch equals
 approximately 25 feet

Project date: March 7, 2002
 Project number: 0203071K

EM-61 Data Differential Contour Map
 Area 2
 Maintenance Yard
 3311 Thatcher
 Marina Del Rey, California



SPECTRUM
GEOPHYSICS
 622 Glenoaks Blvd., San Fernando, CA 91340



EM-61 Anomaly



Contour Interval:
 10 millivolts



Scale: 1 inch equals
 approximately 10 feet

Project date: March 7, 2002
 Project number: 0203071K

APPENDIX IV

Groundwater Field Data Sheets

WELL GAUGING DATA

Project # 180816-HPI Date 8-16-18 Client Cal Env.

Site 3233 Thatcher Ave, Marina Del Rey, CA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | Note |
|---------|------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|------|
| MW-14 | 0820 | 4 | | | | | 7.76 | 17.25 | | |
| MW-17 | 0906 | 4 | | | | 7.50 | 17.54 | | | |
| MW-20 | 0951 | 4 | | | | 7.93 | 18.35 | | | |
| MW-22 | 1036 | 4 | | | | 7.59 | 34.36 | | | |
| MW-15 | 1127 | 4 | | | | 7.78 | 18.05 | | | |
| MW-19 | 1205 | 4 | | | | 7.43 | 18.22 | | | |
| MW-18 | 1249 | 4 | | | | 8.17 | 17.04 | | | |
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LOW FLOW WELL MONITORING DATA SHEET

| | |
|---------------------------------|---------------------------------------|
| Project #: 180816 - HPI | Client: Cal Env |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-14 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 17.25 | Depth to Water (ft.): 7.76 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0829 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) |
|------|---------------------|------|--------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 0832 | 25.4 | 7.30 | 1113 | 16 | 0.40 | -55 | 600 | 7.97 |
| 0835 | 25.2 | 7.29 | 1111 | 13 | 0.36 | -79 | 1200 | 7.97 |
| 0838 | 25.1 | 7.22 | 1110 | 10 | 0.30 | -88 | 1800 | 7.97 |
| 0841 | 25.2 | 7.22 | 1111 | 10 | 0.27 | -108 | 2400 | 7.97 |
| 0844 | 25.1 | 7.22 | 1112 | 10 | 0.26 | -111 | 3000 | 7.97 |
| 0847 | 25.0 | 7.22 | 1112 | 9 | 0.26 | -114 | 3600 | 7.97 |
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|--|----------------------------------|
| Did well dewater? Yes <u>No</u> | Amount actually evacuated: 3.6 L |
| Sampling Time: 0849 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-14 | Laboratory: CalScience |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> : see C.O.C. |
| Equipment Blank I.D.: @ <small>Time</small> | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|---------------------------------|---------------------------------------|
| Project #: 180816-HPI | Client: Cal Env. |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-15 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 18.05 | Depth to Water (ft.): 7.78 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 1127 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) |
|------|---------------------|------|--------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 1130 | 23.1 | 7.48 | 1521 | 36 | 4.38 | 44 | 600 | 7.78 |
| 1133 | 23.2 | 7.37 | 1520 | 34 | 4.08 | 39 | 1200 | 7.79 |
| 1136 | 23.2 | 7.35 | 1519 | 35 | 3.97 | 37 | 1800 | 7.79 |
| 1139 | 23.1 | 7.34 | 1520 | 33 | 3.92 | 36 | 2400 | 7.79 |
| 1142 | 23.1 | 7.31 | 1519 | 33 | 3.74 | 33 | 3000 | 7.80 |
| 1145 | 23.1 | 7.30 | 1519 | 34 | 3.67 | 33 | 3600 | 7.80 |
| 1148 | 23.1 | 7.29 | 1518 | 33 | 3.62 | 32 | 4200 | 7.80 |
| 1151 | 23.1 | 7.29 | 1518 | 35 | 3.58 | 32 | 4800 | 7.80 |
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|-------------------------------------|----------------------------------|
| Did well dewater? Yes <u>No</u> | Amount actually evacuated: 4.8 L |
| Sampling Time: 1153 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-15 | Laboratory: Cal Science |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> : See C.O.C. |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------|-------------------------------------|
| Project #: 180816-HP1 | Client: Cal Em |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-17 | Well Diameter (in.): 2 3 (4) 6 8 |
| Total Well Depth (ft.): 17.54 | Depth to Water (ft.): 7.50 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVC Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0911 Flow Rate: 300 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 0914 | 24.7 | 6.87 | 1450 | 85 | 1.99 | -48 | 900 | 7.54 |
| 0917 | 24.8 | 6.84 | 1456 | 62 | 1.32 | -74 | 1800 | 7.57 |
| 0920 | 24.9 | 6.83 | 1456 | 53 | 1.70 | -90 | 2700 | 7.57 |
| 0923 | 24.9 | 6.82 | 1456 | 50 | 1.69 | -97 | 3600 | 7.57 |
| 0926 | 24.9 | 6.80 | 1455 | 48 | 1.68 | -100 | 4500 | 7.57 |
| 0929 | 24.9 | 6.80 | 1454 | 47 | 1.72 | -102 | 5400 | 7.57 |
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|---|----------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 5.4 L |
| Sampling Time: 0930 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-17 | Laboratory: CalScience |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> See C.O.C. |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------|-------------------------------------|
| Project #: 180816-HP1 | Client: Cal Env. |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-18 | Well Diameter (in.): 2 3 (4) 6 8 |
| Total Well Depth (ft.): 17.04 | Depth to Water (ft.): 8.17 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: (PVC) Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump (Bladder Pump)
 Sampling Method: Dedicated Tubing (New Tubing) Other _____
 Start Purge Time: 1255 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 1258 | 24.3 | 7.55 | 1237 | 42 | 0.63 | 74 | 600 | 8.20 |
| 1301 | 24.2 | 7.45 | 1237 | 41 | 0.85 | 71 | 1200 | 8.20 |
| 1304 | 24.2 | 7.42 | 1238 | 42 | 1.01 | 70 | 1800 | 8.20 |
| 1307 | 24.2 | 7.41 | 1243 | 43 | 1.09 | 70 | 2400 | 8.20 |
| 1310 | 24.2 | 7.40 | 1245 | 41 | 1.12 | 69 | 3000 | 8.20 |
| 1313 | 23.9 | 7.39 | 1241 | 40 | 1.15 | 70 | 3600 | 8.20 |
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| Did well dewater? Yes (No) | Amount actually evacuated: 3.6 L |
| Sampling Time: 1315 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-18 | Laboratory: Cal Science |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: see C.O.C. |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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| Project #: 180816-HPI | Client: Cal Env. |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-19 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 18.22 | Depth to Water (ft.): 7.43 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1213 Flow Rate: 300 mL/min Pump Depth: 15'

| Time | Temp. (<u>C</u> or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) |
|------|----------------------------|------|-----------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 1216 | 25.0 | 7.46 | 1671 | 36 | 0.37 | 63 | 900 | 7.45 |
| 1219 | 24.9 | 7.38 | 1669 | 31 | 0.31 | 58 | 1800 | 7.48 |
| 1222 | 24.8 | 7.38 | 1672 | 29 | 0.31 | 57 | 2700 | 7.50 |
| 1225 | 24.9 | 7.36 | 1671 | 36 | 0.29 | 54 | 3600 | 7.51 |
| 1228 | 25.0 | 7.36 | 1671 | 34 | 0.28 | 50 | 4500 | 7.51 |
| 1231 | 24.8 | 7.35 | 1672 | 34 | 0.27 | 48 | 5400 | 7.51 |
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| Did well dewater? Yes <u>No</u> | Amount actually evacuated: 5-4 L |
| Sampling Time: 1233 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-19 | Laboratory: Cal Science |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> See C.O.C. |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---------------------------------------|
| Project #: 180816-HP1 | Client: Cal Env |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-20 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 18.35 | Depth to Water (ft.): 7.93 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: YSI ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0954 Flow Rate: 300 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) |
|------|---------------------|------|--------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 0957 | 25.2 | 7.30 | 1724 | 72 | 2.95 | -23 | 900 | 8.04 |
| 1000 | 25.6 | 7.38 | 1709 | 96 | 0.74 | -70 | 1800 | 8.22 |
| 1003 | 25.7 | 7.39 | 1704 | 105 | 0.92 | -77 | 2700 | 8.41 |
| 1006 | 25.6 | 7.39 | 1703 | 112 | 0.97 | -78 | 3600 | 8.53 |
| 1009 | 25.6 | 7.41 | 1699 | 119 | 1.21 | -79 | 4500 | 8.57 |
| 1012 | 25.6 | 7.42 | 1699 | 122 | 1.07 | -79 | 5400 | 8.62 |
| 1015 | 25.6 | 7.43 | 1698 | 122 | 1.10 | -77 | 6300 | 8.65 |
| 1018 | 25.6 | 7.43 | 1699 | 127 | 1.15 | -76 | 7200 | 8.65 |
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| Did well dewater? Yes <input type="checkbox"/> <u>No</u> <input checked="" type="checkbox"/> | Amount actually evacuated: 7.2 L |
| Sampling Time: 1020 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-20 | Laboratory: CalScience |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> : See C.O.C. |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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| Project #: 180816-HP1 | Client: Cal Env. |
| Sampler: HP | Gauging Date: 8-16-18 |
| Well I.D.: MW-22 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 34.36 | Depth to Water (ft.): 7.59 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: Y&I ProPlus |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 1041 Flow Rate: 300 ml/min Pump Depth: 31'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) |
|------|---------------------|------|--------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 1044 | 23.8 | 7.57 | 1714 | 54 | 2.43 | 5 | 900 | 7.71 |
| 1047 | 23.8 | 7.59 | 1714 | 44 | 2.35 | -3 | 1800 | 7.79 |
| 1050 | 24.5 | 7.51 | 1703 | 37 | 2.21 | -10 | 2700 | 7.79 |
| 1053 | 24.8 | 7.42 | 1703 | 31 | 2.13 | -18 | 3600 | 7.79 |
| 1056 | 24.3 | 7.40 | 1708 | 30 | 2.12 | -22 | 4500 | 7.79 |
| 1059 | 24.1 | 7.39 | 1711 | 29 | 2.14 | -24 | 5400 | 7.79 |
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| Did well dewater? Yes <u>No</u> | Amount actually evacuated: 5.4 L |
| Sampling Time: 1001 | Sampling Date: 8-16-18 |
| Sample I.D.: MW-22 | Laboratory: Cal Science |
| Analyzed for: TPH-G BTEX MTBE TPH-D | <u>Other</u> see C.O.C. |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

