



February 20, 2009

Chairman Joe Centeno
Board of Supervisors
County of Santa Barbara
105 E. Anapamu Street
Santa Barbara, CA 93101

RE: Rezone of Key Site 16

Dear Chairman Centeno and Members of the Board:

As owners of the 9.29 acres of Key Site 16 in Orcutt (**See Attachment "A"**), we would like to thank you for your continuing consideration of rezoning this site from Shopping Center to the new Multifamily Residential-Orcutt (MR-O) Zone District as part of the housing element update. As you are aware, development of this site has been anticipated for many years. The Orcutt Community Plan adopted in July of 1997 rezoned this site from General Industrial/M-2 to General Commercial and zoned SC (Shopping Center). We strongly agree with the Planning Commission's recommendation, and hope you agree, that Key Site 16 is an appropriate site for multi-family housing. We urge you to vote for the rezone.

Since the hearing on January 27th, we have spent a considerable amount of effort to do studies on Key Site 16 so that we could provide you with factual information about the site to respond to inaccurate statements that were made about our site based purely on speculation.

Hazards and Hazardous Materials – Although the EIR clearly states "*Overall impacts related to hazards and hazardous materials would be less than the proposed project under this alternative.*" [Alternative 3: KS-16 & KS-3]; some speakers at the January hearing continued to raise the issue of potential contamination of Key Site 16 posed by three former sumps identified in the EIR. We felt this information was inaccurate and incomplete, and so to determine the facts, we had our environmental consultant (Waterstone Environmental) perform soil sampling and analysis to evaluate the potential presence of the three historic oilfield sumps. The findings of the soil sampling and analysis conclude that "**Detected chemical concentrations were compared against USEPA standards for residential reuse. Based on these comparisons, there is currently no environmental risk based on the detected concentrations if Key Site 16 was to be redeveloped with residential housing.**"

Waterstone Environmental reviewed historical aerial photographs to determine the appropriate areas to sample the soil to see if there is any residual environmental contamination remaining on the site from past oil operations. As shown in the Waterstone's Soil Investigation and Environmental Risk Evaluation for Key Site 16 (**See Attachment "B"**), it appears that two of the three alleged "sump" areas are clean and probably were never used as sumps. In the third sump area, it appears that any oil or

drilling mud had been previously dug out of the sumps resulting in the current existence of a very small volume of relatively shallow residual impacted soil with a small amount of crude oil components which would not be harmful to human health, and further concluded: *“Any residual hydrocarbon compounds present on site would be simply removed by grading operations as part of the typical redevelopment preparation of the property.”*

The findings of this report are not surprising. As previously discussed, typically sumps were filled with drilling mud that coat the bottom and sides of the sump – they became in essence a lined pit. The mud does not allow much migration of liquids so the single impacted area found on the site is relatively shallow with a small footprint. Our experience on Orcutt Hill, which was previously owned and operated by the same oil company as our section of Key Site 16, is that many of the mapped sumps already had the drilling mud and any contaminants removed from the site prior to our purchase. Waterstone’s recent findings show that Key Site 16 was treated in the same way as the sumps on Orcutt Hill.

The findings of the Waterstone report, coupled with the Mitigation Measures (HAZ-1(a) requiring County approval of the site assessment and any remediation, and BreitBurn’s standard practice of obtaining Environmental Insurance policies on our properties prior to development (Standards imposed by insurers prior to issuing such policies are very stringent, and ensure that independent 3rd party insurers and their underwriters are also comfortable that all remediation has been completed.) adds an extra layer of protection to the County and general public. In addition, because of the results described in the Soil Investigation and Environmental Risk Evaluation for Key Site 16, that **“there is currently no environmental risk based on the detected concentrations...”** it is reasonable to conclude that Key Site 16 poses less risk of hazards and hazardous materials than the original proposed project (Key Site 3 and 30). Based on the reporting of the EIR and Waterstone Environmental’s findings, we strongly agree with the statement in the EIR regarding Key Site 16 that **“Overall, impacts related to hazards and hazardous materials would be less than the proposed project under the alternative”**. We believe that these studies indicate that Key Site 16 is perfectly suited for a top quality residential development.

Land Use – The EIR clearly states, and we agree, that Key Site 16 presents fewer land use conflicts than Key Site 30. Key Site 16 has no Class 1 Unavoidable Environmental Impacts. All Issues are identified as Less than Significant impact or Less than Significant impact with mitigation. That is not true with Key Site 30. As shown, on Table 6.2 of the 2003-2008 Housing Element Focused Rezone Program EIR (**See Attachment “C”**), there are two Environmental Issues that are associated with Key Site 30 that are an Unavoidable significant impact – they are Airport Related Compatibility Conflicts and Visual Character Changes. In addition, the extensive traffic analysis included in the technical appendices and summarized on page 6-16, concludes *“Unlike the proposed project sites, Key Site 16 would not result in potentially significant impacts to the local circulation system.”*

In addition, the EIR concludes: *“Development of multi-family housing would be considered a compatible land use on Key Site 16 because it would place residents within walking distance of Old Town Orcutt.”*

Location of Gas Pipeline – In the hearing on January 27th, a question was raised that the location of the So Cal Gas pipeline was unknown and that it might actually run through the middle of Key Site 16 and have some type of a negative impact on any future development. Since the time of the hearing we had our civil engineer on location to survey in points of interest and to locate the So Cal Gas Pipeline. As shown on the attached survey (**See Attachment “D”**), the pipeline is not actually on our property but in the street right of way in Clark Avenue. It then crosses Marcum Street and runs along the east side of Marcum Street. In following the pipeline markers we discovered that this pipeline is just part of a larger gas pipeline system that currently runs through Old Town Orcutt and into the Foxenwoods neighborhood. (**See Attachment “E”**) These items clearly show that this pipeline is not located on our property and would not have a negative impact on developing this property.

Adequacy of the EIR – Also at the January 27th hearing, it was asserted that very little analysis had been done on Key Site 16. They then go on to assert that because of that then somehow the EIR is not adequate to justify the rezone. We respectfully disagree. We believe this is untrue and deliberately misleading. The Draft and Proposed Final EIR discuss the environmental setting, impacts, mitigation measures and alternatives associated with the rezone of Key Sites 3 and 16. Additional information found in the Technical Appendices, and Revision Letter #2 (Adoption of Hybrid Alternative 3 and 4/Dated November 12, 2008) clearly and specifically analyzes the rezone of Key Site 16, and is summarized and compared with other possible rezone sites in Table 6.2 of the 2003-2008 Housing Element Focused Rezone Program EIR (See Attachment “C”). In addition, the proposed rezone includes extensive Mitigation Measures, including the incorporation of existing site specific Orcutt Community Plan development standards. These actions ensure full compliance will the requirements of the California Environmental Quality Act.

Conoco-Phillips Issues – In the hearing on January 27th, a concern was raised by Conoco-Phillips that they possess certain easements over our property that could have a negative impact on the development. In discussions with them since the hearing they have raised the following easement concerns:

<u>Easement Concern</u>	<u>Solution</u>	<u>See Attachment</u>
Road and Water supply pipeline along western property line of CPPL land	Road & Pipeline are not on our Property and should not be impacted.	"F"
60' Emergency Access Road adjacent to the western fence line of the active pump station	The current gate and access road are not located on our property and should be impacted.	"G"
Mandated shrub and tree buffer zone along same general area as above	The majority of the shrub and tree buffer zone appears to currently be on the ConocoPhillips site. Whatever is currently on our site will be incorporated into our setback requirements in that area.	"H"

BreitBurn has the experience and the proven track record to be able to work with neighbors to create set back areas that accommodate the needs of both parties. We feel confident that we can do this with ConocoPhillips to address the above mentioned concerns.

Dwelling Units per Acre – In the hearing on January 27th, a concern was raised that given setbacks and other requirements, our site was not large enough to accommodate the 20 units per acre contemplated in the rezone. Based on our experience in real estate development and the preliminary analysis of our consultant team which has reviewed the site and considered the topographic slope and design guidelines and setbacks, we are confident that 210 units could be accommodated on our site. In addition to what is shown in **Attachment “I”**, there are many comparisons of other projects that show the ability to develop 20 units per acre or more.

In closing, it has been asserted by some individuals that the County proposes to rezone Key Site 16 with the expectation that affordable housing will not be developed on the site. I want to assure you that should the local community desire such a project to proceed and the County rezones this site, BreitBurn Land will actively work with the County and the community towards achieving that goal. The Environmental Impact Report (08-EIR-00005) prepared as part of the Focused Rezone Program clearly shows that this site is suitable for multi-family housing. It is our belief that residential development of this site, immediately adjacent to Old Town Orcutt could provide a boost to both the efforts at commercial and economic development in the area. We look forward to working with the County and the community to develop a high quality, appropriate multi-family project as a gateway to Old Town Orcutt.

Again, thank you for your consideration of the rezoning of Key Site 16.

Sincerely,



W. Jackson Washburn
President
BreitBurn Land Company LLC

Attachment "A"

POR. NE/4 SEC. 15 T9N R34W SBB&M
 POR. RANCHO TODOS SANTOS Y SAN ANTONIO

105-33

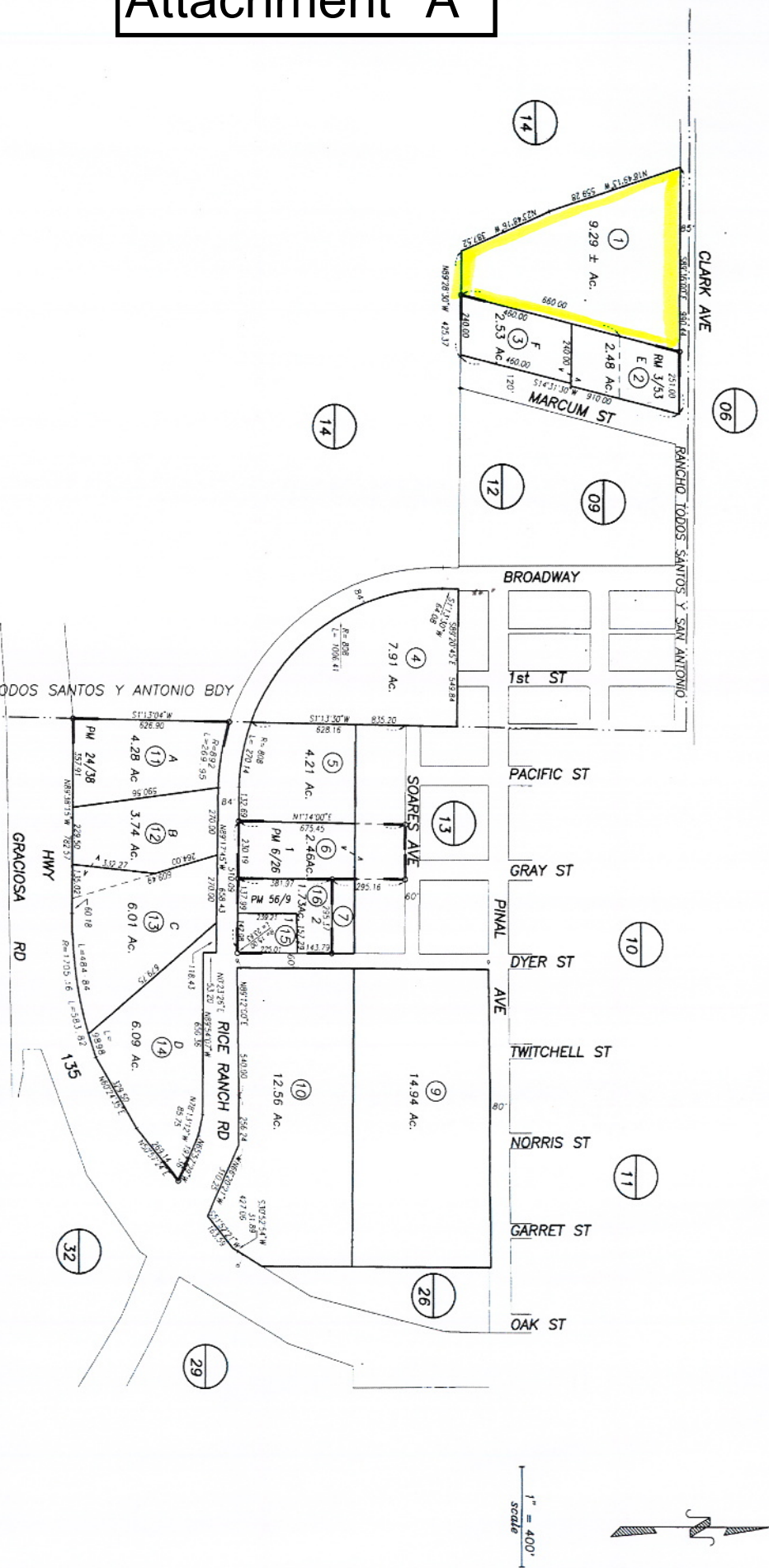
07/10/1904 R.M. Bk. 3 , Pg. 53 , Tract Town of Orcutt

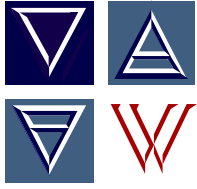
NOTICE

Assessor Parcels are for tax assessment purposes only and do not indicate either parcel legality or a valid building site.

Assessor's Map Bk, 105-Pg, 33
 County of Santa Barbara, Calif.

(04/02) 8 into 15, 16





WATERSTONE ENVIRONMENTAL, INC.

2936 East Coronado Street * Anaheim, CA 92806
714-414-1122 * Fax: 714-414-1166
E:Mail: nberesky@waterstone-env.com

February 19, 2009

VIA EMAIL

Mr. Jackson Washburn
BreitBurn Land Company
515 South Flower, Suite 4800
Los Angeles, CA

RE: Executive Summary for Key Site 16: Environmental Evaluation of Three Possible Sump Locations; Soil Investigation Results, Orcutt, CA

Dear Mr. Washburn:

Waterstone Environmental, Inc. (Waterstone) is pleased to submit this Executive Summary letter documenting the results of the soil sampling and analysis performed at Key Site 16 located in the town of Orcutt, CA (see Figure 1). Soil sampling was performed to evaluate the potential presence of three historical oil sumps identified by the Rincon Environmental *Environmental Impact Report* for the Key Sites (EIR).

SCOPE OF WORK PERFORMED

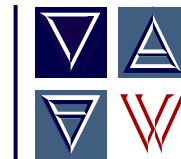
Waterstone performed the following scope of work to evaluate Key Site 16 for environmental issues:

- Aerial photograph review of historical photographs to verify the three previously identified sump locations AND to evaluate the property for other environmental issues.
- Soil sampling within the boundaries of all 3 sump locations identified
- Laboratory analysis of soil samples based on potential chemical contaminants that may be present from historical oil operations
- Comparison of chemical results to USEPA standards that would be protective of human health for a residential reuse scenario.

FINDINGS

Waterstone's findings from performing the above scope of work are as follows:

- Of the three sump areas identified in the EIR, only one of those is a true oil field sump. It is located in the northeastern portion of the property. Samples from this area have a prefix NES.
- The other two areas identified in the EIR are not sumps.



- One is an area with no vegetation (in the northwest portion of the property). Samples from this area have a prefix NWS.
- The other alleged sump was identified in the southwest portion of the property. Historical aerial photographs do not display any features that would distinguish this area as an environmental issue. It was incorrect to identify it as a sump in the EIR and this area is not considered an environmental issue for Key Site 16. (However, as a precaution, Waterstone collected and analyzed soil samples from this area. Samples from this area have a prefix SWS.)
- Soil sampling and analysis performed indicates the following:
 - **Northeast Sump**: This sump existed during the 1950's and 60's on Key Site 16. It has apparently been removed from the site by excavation. There is a small amount of residual hydrocarbon compounds consistent with crude oil at 3 feet below the surface (7300 parts per million) in one of the three locations. At 5 feet below surface, the hydrocarbon concentrations drop to a concentration of 43 parts per million. Samples could not be collected deeper than 5 feet due to refusal, possibly bedrock.
 - **Northwest "Sump"**: This area, while not a sump, was sampled as a precaution and to determine whether salt water was ponded here. High salt content in the soil could account for the lack of vegetation seen the aerial photographs. Samples were collected to a depth of 10 feet. There is a small amount of residual hydrocarbon compounds consistent with crude oil at 5 feet below the surface (3200 parts per million). At 10 feet below surface, no hydrocarbons are detected. Chloride (salt) concentrations are elevated in one of the two locations sampled.
 - **Southwest "Sump"**: This area, while not a sump, was sampled as a precaution. Samples were collected to a depth of 10 feet. No hydrocarbons were detected.

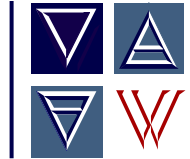
COMPARISON WITH USEPA STANDARDS FOR RESIDENTIAL REUSE

All detected chemical compounds from Waterstone's study were compared against USEPA standards that are considered protective of human health for a residential reuse scenario. None of the detected concentrations exceed the USEPA standard for residential soil.

CONCLUSIONS

Based on the results of Waterstone's soil investigation, the following summary and conclusions can be made:

- There is only one historical sump associated with Key Site 16.



- The other two features identified in the EIR are not sumps. One is an area that has no vegetation and the other area has been erroneously identified as a sump.
- No additional environmental issues were identified based on Waterstone's aerial photograph interpretation of historical photos.
- Four locations were sampled in the Northeast Sump, two in the Northwest "Sump" and two in the Southwest "Sump". Of 8 locations sampled on Key Site 16, only two have hydrocarbon concentrations. One of these is at 5 feet in the Northeast Sump and the other is at 5 feet in the Northwest Sump.
- Detected chemical concentrations were compared against USEPA standards for residential reuse. Based on these comparisons, there is currently no environmental risk based on the detected concentrations if Key Site 16 was to be redeveloped with residential housing.
- Any residual hydrocarbon compounds present onsite could be simply removed by grading operations as part of the typical redevelopment preparation of the property.

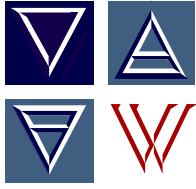
We are in the process of preparing a detailed report with all appropriate maps and attachments. It will be provided to you under separate cover. Please call me if you have further questions at 714-414-1122.

Sincerely,

A handwritten signature in black ink that reads "Nancy Beresky". The signature is written in a cursive style with a large loop at the end.

Nancy Beresky PG 7965
Principal Hydrogeologist

Waterstone Environmental, Inc.



WATERSTONE ENVIRONMENTAL, INC.

2936 East Coronado Street * Anaheim, CA 92806
714-414-1122 * Fax: 714-414-1166
E:Mail: nberesky@waterstone-env.com

February 20, 2009

VIA EMAIL

Mr. Jackson Washburn
BreitBurn Land Company
515 South Flower, Suite 4800
Los Angeles, CA

**RE: Soil Investigation and Environmental Risk Evaluation for Key Site 16:
Environmental Evaluation of Three Possible Sump Locations; Soil Investigation Results,
Orcutt, CA**

Dear Mr. Washburn:

Waterstone Environmental, Inc. (Waterstone) is pleased to submit this letter report documenting the results of the soil sampling and analysis performed at Key Site 16 located in the town of Orcutt, CA (see Figure 1). Soil sampling was performed to evaluate the potential presence of three historical oil sumps identified by the Rincon Environmental *Environmental Impact Report* for the Key Sites (EIR) as shown on Figure 2.

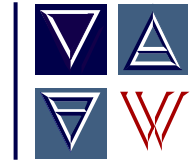
SCOPE OF WORK PERFORMED

Waterstone performed the following scope of work to evaluate Key Site 16 for environmental issues:

- Aerial photograph review of historical photographs to verify the three previously identified sump locations AND to evaluate the property for other environmental issues.
- Soil sampling within the boundaries of all 3 sump locations identified
- Laboratory analysis of soil samples based on potential chemical contaminants that may be present from historical oil operations
- Comparison of chemical results to USEPA standards that would be protective of human health for a residential reuse scenario.

AERIAL PHOTOGRAPH REVIEW

Waterstone reviewed aerial photographs available for the 1950's and 1960's for Key Site 16. Through BreitBurn's conversation with County Planning staff, Waterstone learned that the original identification of oil field sumps identified in Rincon's EIR was from the Orcutt Housing Plan which included a map for Key Site 16 dated 1997. This map was prepared using an aerial photograph taken in 1956. Waterstone procured the 1956 photograph to ensure that soil sampling would be performed in the correct positions to evaluate the features noted on Key Site 16. Figure 3 is an enlargement of the 1956 photograph for Key Site 16.



It is clear from the review of this photograph (and later photographs that Waterstone procured and reviewed) that only one true oil sump is present. This is the northeast feature in the photograph. The other two features identified (incorrectly) by Rincon's EIR and the Orcutt Housing Plan are as follows:

- an area bare of vegetation in the northwest part of Key Site 16 and
- another area in the southwest that does not have any identifiable features which could be considered an environmental issue. It does have a very small area devoid of vegetation.

It is possible that areas with no vegetation are the reason these features were identified as sumps. Waterstone has reviewed thousands of oil field photographs for multiple clients and does not agree that either of these areas constitute an environmental issue. However, areas bare of vegetation could be due to ponding of produced water (salt water from the oil formation), therefore, for conservatism, Waterstone included these features in the sampling investigation for Key Site 16.

FIELD WORK, LAB ANALYSIS, AND RESULTS

Field work was performed February 5, 2009. Soil sampling and analysis was performed as follows:

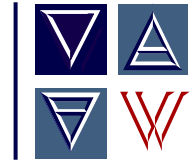
- **Northeast Sump:** Four locations were sampled within the common boundaries identified by Rincon's EIR and Waterstone's aerial photograph review (see Figure 4). This sump existed during the 1950's and 60's on Key Site 16. It has apparently been removed from the site by excavation.

Four locations were sampled within this feature. These are NES-01 through NES-04 as shown on Figure 4. Lab results are summarized in Table 1 and included in Attachment A.

There is a small amount of residual hydrocarbon compounds consistent with crude oil at 3 feet below the surface (7300 parts per million) in one of the three locations, NES-02. At 5 feet below surface, the hydrocarbon concentrations drop to a concentration of 43 parts per million. Samples could not be collected deeper than 5 feet due to refusal, possibly bedrock.

- **Northwest "Sump":** This area, while not a sump, was sampled as a precaution and to determine whether salt water was ponded here. High salt content in the soil could account for the lack of vegetation seen the aerial photographs. Samples were collected to a depth of 10 feet from NWS-01 and NWS-02 as shown on Figure 4. Lab results are summarized in Table 1 and included in Attachment A.

There is a small amount of residual hydrocarbon compounds consistent with crude oil at 5 feet below the surface (3200 parts per million at NWS-02). At 10 feet below surface, no hydrocarbons are detected. Chloride (salt) concentrations are elevated in one of the two



locations sampled (NWS-01). These concentrations do not constitute an environmental issue for the property.

- **Southwest “Sump”**: This area, while not a sump, was sampled as a precaution. Samples were collected to a depth of 10 feet at SWS-01 and SWS-02. Lab results are summarized in Table 1 and included in Attachment A. No hydrocarbons were detected in either location.

FINDINGS

Waterstone’s findings from performing the above scope of work are as follows:

- Of the three sump areas identified in the EIR, only one of those is a true oil field sump. It is located in the northeastern portion of the property. Samples from this area have a prefix NES.
- The other two areas identified in the EIR are not sumps.
 - One is an area with no vegetation (in the northwest portion of the property). Samples from this area have a prefix NWS.
 - The other alleged sump was identified in the southwest portion of the property. Historical aerial photographs do not display any features that would distinguish this area as an environmental issue. It was incorrect to identify it as a sump in the EIR and this area is not considered an environmental issue for Key Site 16. (However, as a precaution, Waterstone collected and analyzed soil samples from this area. Samples from this area have a prefix SWS.)

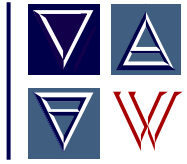
COMPARISON WITH USEPA STANDARDS FOR RESIDENTIAL REUSE

All detected chemical compounds from Waterstone’s study were compared against USEPA standards that are considered protective of human health for a residential reuse scenario. None of the detected concentrations exceed the USEPA standard for residential soil.

CONCLUSIONS

Based on the results of Waterstone’s soil investigation, the following summary and conclusions can be made:

- There is only one historical sump associated with Key Site 16.
- The other two features identified in the EIR are not sumps. One is an area that has no vegetation and the other area has been erroneously identified as a sump.
- No additional environmental issues were identified based on Waterstone’s aerial photograph interpretation of historical photos.



- Four locations were sampled in the Northeast Sump, two in the Northwest “Sump” and two in the Southwest “Sump”. Of 8 locations sampled on Key Site 16, only two have hydrocarbon concentrations. One of these is at 5 feet in the Northeast Sump and the other is at 5 feet in the Northwest Sump.
- Detected chemical concentrations were compared against USEPA standards for residential reuse. Based on these comparisons, there is currently no environmental risk based on the detected concentrations if Key Site 16 was to be redeveloped with residential housing.
- Any residual hydrocarbon compounds present onsite could be simply removed by grading operations as part of the typical redevelopment preparation of the property.

An executive summary letter dated February 19, 2009 provides summary information and was provided to you under separate cover. It did not include any of the attachments that appear in this letter report.

Please call me if you have further questions at 714-414-1122.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nancy Beresky', is written over a circular stamp or watermark.

Nancy Beresky PG 7963
Principal Hydrogeologist
Waterstone Environmental, Inc.

Attachments: Table 1
Figures 1, 2, 3, 4
Attachment A

Table 1
Soil Analytical Results
Total Petroleum Hydrocarbons, Volatile Organic Compounds, PCBs, and Chloride
 BreitBurn Energy - Key Site 16
 Orcutt, CA

Sample ID	Sample Date	Sample Depth (feet)	Total Petroleum Hydrocarbons EPA Method 8015M (mg/kg)				Volatile Organic Compounds EPA Method 8260B (ug/kg)		PCBs and Chloride		Metals	
			Total TPH	Carbon Chain Range			Compound	Concentration	PCBs	Chloride (mg/kg)	Metal	Sample result (mg/kg)
			C8-C40	C8-C13	C14-C23	C24-C40						
NES-01	2/5/2009	5	150	ND	52	89.9	---	---	---	---	---	---
NES-02	2/5/2009	3	7300	1710	4440	1090	sec-Butylbenzene Ethylbenzene Isopropylbenzene p-Isopropyltoluene Naphthalene n-Propylbenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylenes o-Xylene	1200 1300 740 1600 2200 1300 3500 120 550 150	All compounds not detected	41	Mercury Barium Chromium Copper Lead Nickel Vanadium Zinc	0.023 140 6.1 6.9 4.2 6.5 13 14
		5	43	ND	30.7	ND	All compounds Not Detected		All compounds not detected	---	Barium Chromium Copper Lead Nickel Vanadium Zinc	32 7.6 3.6 3.3 4.6 14 15
NES-03	2/5/2009	5	38	ND	ND	ND	---	---	---	---	---	---
NES-04	2/5/2009	5	ND	ND	ND	ND	---	---	---	---	---	---
		10	ND	ND	ND	ND	---	---	---	---	---	---
NWS-01	2/5/2009	3	33	ND	ND	ND	---	---	---	330	---	---
		5	ND	ND	ND	ND	---	---	---	380	---	---
		10	ND	ND	ND	ND	---	---	---	370	---	---
NWS-02	2/5/2009	5	3200	691	1980	512	---	---	---	17	---	---
		10	ND	ND	ND	ND	---	---	---	87	---	---
SWS-01	2/5/2009	5	49	ND	19.2	21.6	---	---	---	---	---	---
		9	ND	ND	ND	ND	All compounds Not Detected		All compounds not detected	---	Barium Chromium Cobalt Copper Lead Nickel Vanadium Zinc	23 9.5 1.2 3.5 2.3 7.1 14 8.8
SWS-02	2/5/2009	5	12	ND	ND	ND	---	---	---	---	---	---
		10	ND	ND	ND	ND	---	---	---	---	---	---

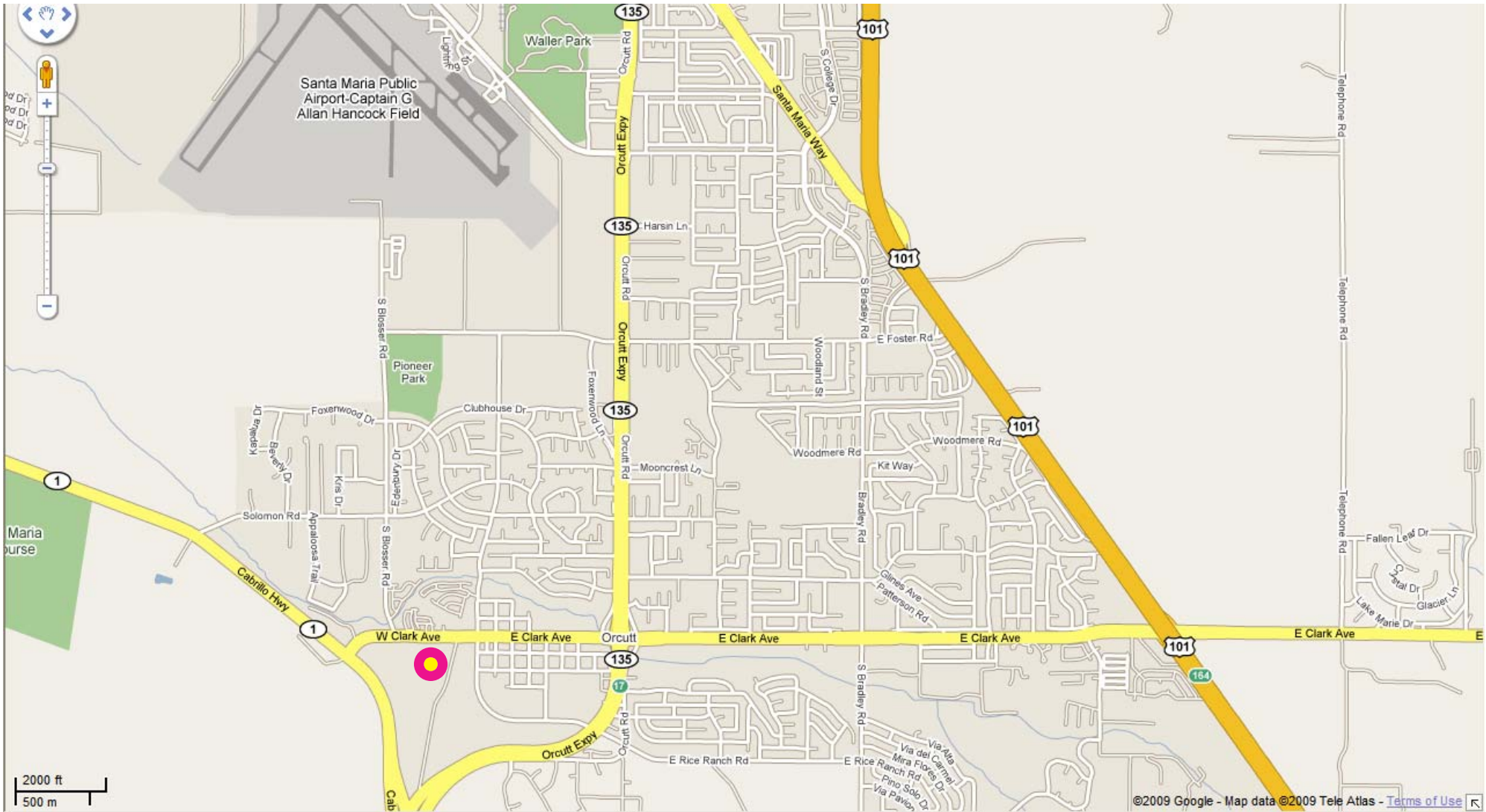
--- = Not Analyzed ND=Not Detected

TPH - total petroleum hydrocarbons

ug/kg - micrograms per kilogram or parts per billion

mg/kg - milligrams per kilogram or parts per million

PCBs - Polychlorinated Biphenyls




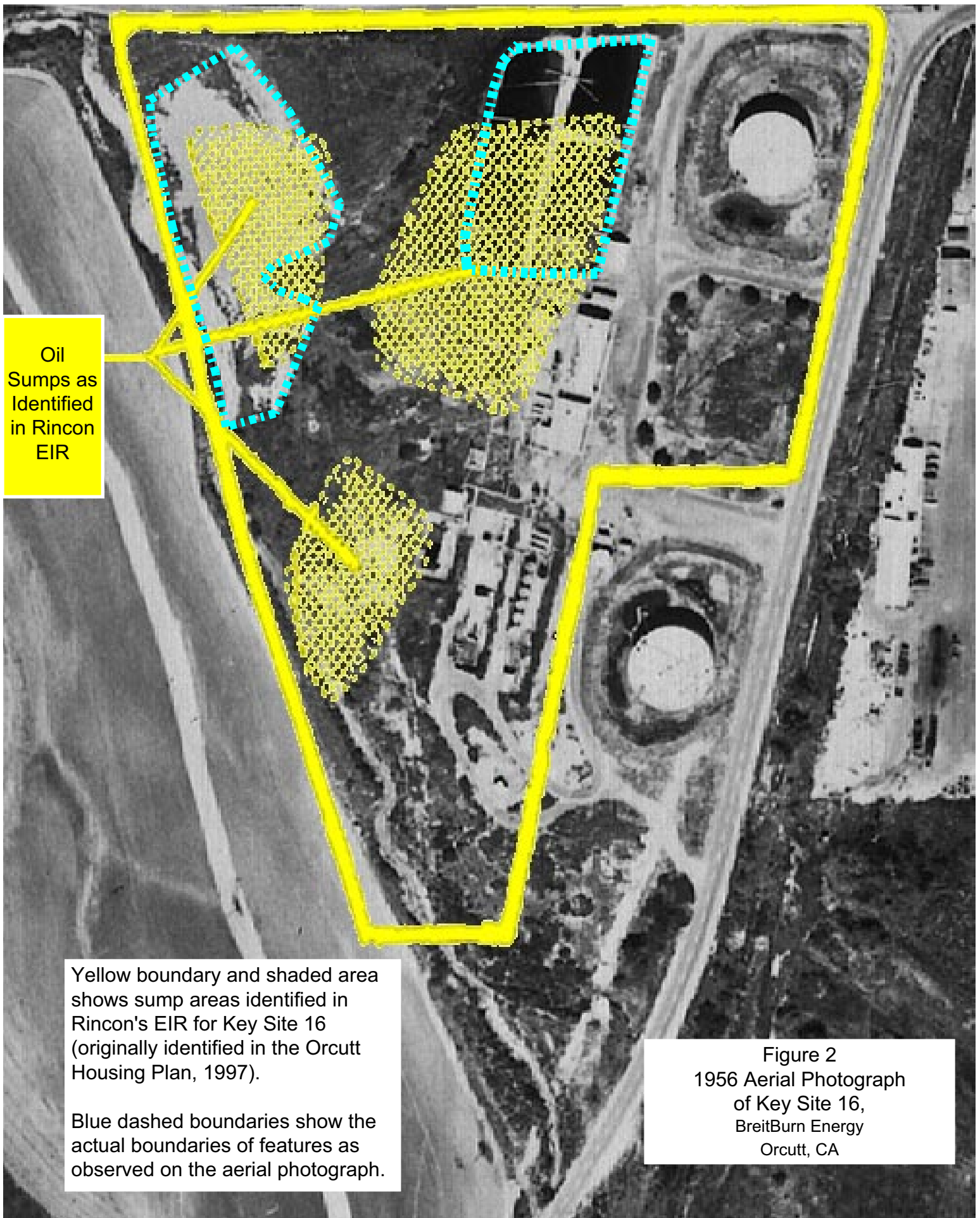
 BreitBurn Energy, Key Site 16

Figure 1

Key Site 16 Location Map
Orcutt, CA



Oil Sumps as Identified in Rincon EIR

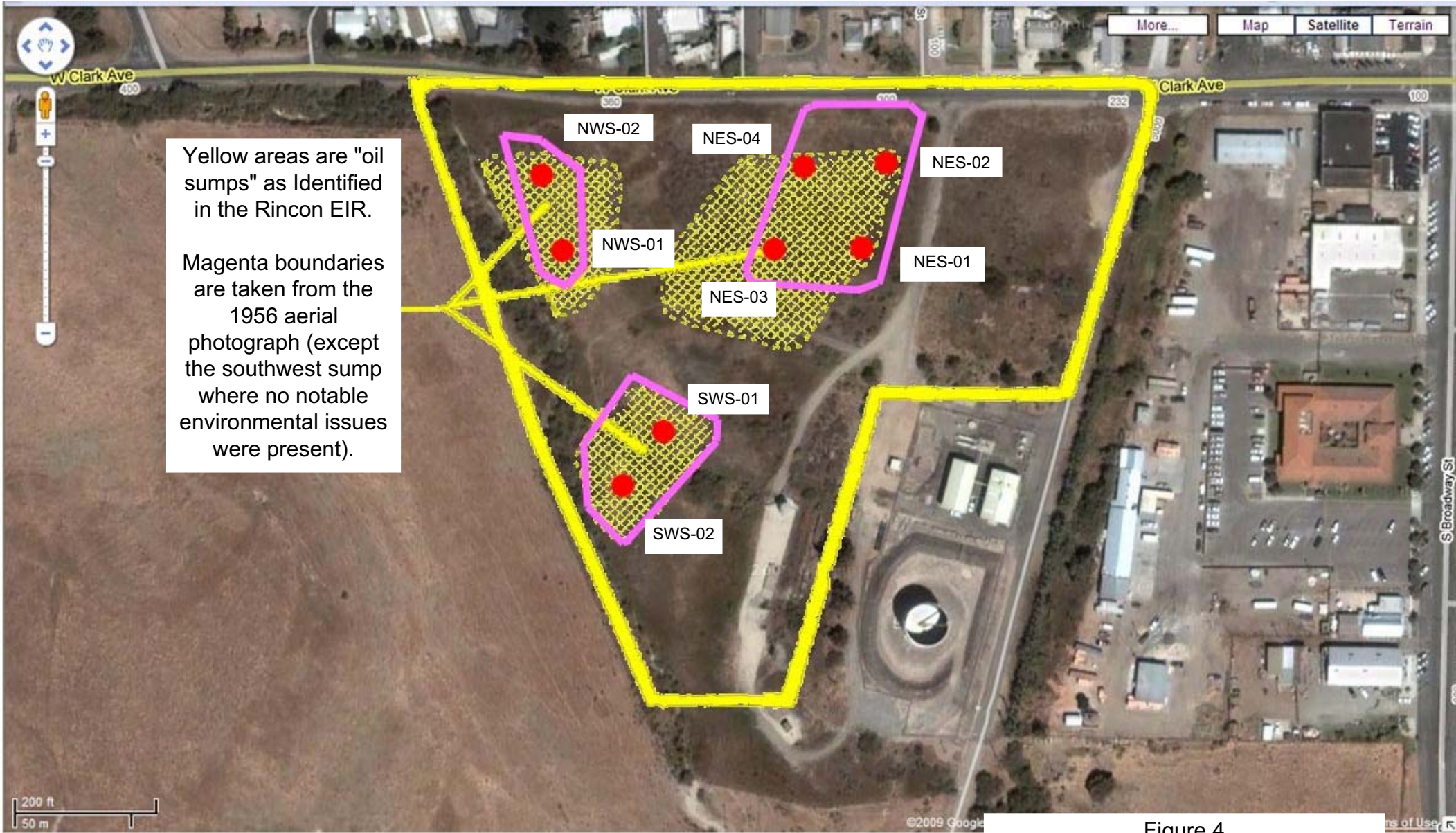
Yellow boundary and shaded area shows sump areas identified in Rincon's EIR for Key Site 16 (originally identified in the Orcutt Housing Plan, 1997).
Blue dashed boundaries show the actual boundaries of features as observed on the aerial photograph.

Figure 2
1956 Aerial Photograph of Key Site 16, BreitBurn Energy Orcutt, CA



Yellow border shows approximate boundary of Key Site 16 as mapped in Rincon Environmental's EIR for the Key Sites.

Figure 3
1956 Aerial Photograph
Key Site 16
Orcutt, CA



LABORATORY REPORT

Prepared For: Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project: 07-207, Orcutt

Sampled: 02/05/09
Received: 02/06/09
Issued: 02/17/09 09:53

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ISB0709-01	NES-01-05	Soil
ISB0709-02	NES-02-05	Soil
ISB0709-03	NWS-02-05	Soil
ISB0709-04	NWS-02-10	Soil
ISB0709-05	NWS-01-05	Soil
ISB0709-06	NWS-01-10	Soil
ISB0709-07	NWS-01-03	Soil
ISB0709-08	NES-02-03	Soil
ISB0709-09	SWS-01-05	Soil
ISB0709-10	SWS-02-05	Soil
ISB0709-11	SWS-01-09	Soil

TestAmerica Irvine

Patty Mata
Project Manager

Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09

Received: 02/06/09

LABORATORY ID

ISB0709-12

ISB0709-13

ISB0709-14

ISB0709-15

CLIENT ID

SWS-02-10

NES-03-05

NES-04-05

NES-04-10

MATRIX

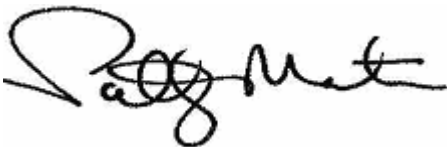
Soil

Soil

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Reviewed By:



TestAmerica Irvine

Patty Mata
Project Manager

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Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-02 (NES-02-05 - Soil)						Sampled: 02/05/09		
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Bromobenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
Bromochloromethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
Bromodichloromethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Bromoform	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
Bromomethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
n-Butylbenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
sec-Butylbenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
tert-Butylbenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
Carbon tetrachloride	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
Chlorobenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Chloroethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
Chloroform	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Chloromethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
2-Chlorotoluene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
4-Chlorotoluene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
1,2-Dibromo-3-chloropropane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
Dibromochloromethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Dibromomethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,2-Dichlorobenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
1,3-Dichlorobenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
1,4-Dichlorobenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
Dichlorodifluoromethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
1,1-Dichloroethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,2-Dichloroethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,1-Dichloroethene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,2-Dichloropropane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,3-Dichloropropane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
2,2-Dichloropropane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	L
trans-1,3-Dichloropropene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,1-Dichloropropene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Ethylbenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Hexachlorobutadiene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
Isopropylbenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
p-Isopropyltoluene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
Methylene chloride	EPA 8260B	9B09015	19	ND	0.933	2/9/2009	2/10/2009	
Naphthalene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-02 (NES-02-05 - Soil) - cont.				Sampled: 02/05/09				
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
Styrene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
Tetrachloroethene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Toluene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
1,2,4-Trichlorobenzene	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	I
1,1,1-Trichloroethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
1,1,2-Trichloroethane	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Trichloroethene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Trichlorofluoromethane	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
1,2,3-Trichloropropane	EPA 8260B	9B09015	9.3	ND	0.933	2/9/2009	2/10/2009	I
1,2,4-Trimethylbenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
1,3,5-Trimethylbenzene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	I
Vinyl chloride	EPA 8260B	9B09015	4.7	ND	0.933	2/9/2009	2/10/2009	
m,p-Xylenes	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
o-Xylene	EPA 8260B	9B09015	1.9	ND	0.933	2/9/2009	2/10/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)					70 %			Z
Surrogate: Dibromofluoromethane (80-125%)					112 %			
Surrogate: Toluene-d8 (80-120%)					84 %			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-08 (NES-02-03 - Soil)						Sampled: 02/05/09		
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Bromobenzene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Bromochloromethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Bromodichloromethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Bromoform	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Bromomethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
n-Butylbenzene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
sec-Butylbenzene	EPA 8260B	9B09022	220	1200	88.8	2/9/2009	2/10/2009	
tert-Butylbenzene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Carbon tetrachloride	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Chlorobenzene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Chloroethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Chloroform	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Chloromethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
2-Chlorotoluene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
4-Chlorotoluene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Dibromochloromethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Dibromomethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,2-Dichlorobenzene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,3-Dichlorobenzene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,4-Dichlorobenzene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Dichlorodifluoromethane	EPA 8260B	9B09022	180	ND	88.8	2/9/2009	2/10/2009	
1,1-Dichloroethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,2-Dichloroethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,1-Dichloroethene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,2-Dichloropropane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,3-Dichloropropane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
2,2-Dichloropropane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,1-Dichloropropene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Ethylbenzene	EPA 8260B	9B09022	89	1300	88.8	2/9/2009	2/10/2009	
Hexachlorobutadiene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
Isopropylbenzene	EPA 8260B	9B09022	89	740	88.8	2/9/2009	2/10/2009	
p-Isopropyltoluene	EPA 8260B	9B09022	89	1600	88.8	2/9/2009	2/10/2009	
Methylene chloride	EPA 8260B	9B09022	890	ND	88.8	2/9/2009	2/10/2009	
Naphthalene	EPA 8260B	9B09022	220	2200	88.8	2/9/2009	2/10/2009	

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-08 (NES-02-03 - Soil) - cont.				Sampled: 02/05/09				
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B09022	89	1300	88.8	2/9/2009	2/10/2009	
Styrene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Tetrachloroethene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Toluene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
1,1,1-Trichloroethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
1,1,2-Trichloroethane	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Trichloroethene	EPA 8260B	9B09022	89	ND	88.8	2/9/2009	2/10/2009	
Trichlorofluoromethane	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
1,2,3-Trichloropropane	EPA 8260B	9B09022	440	ND	88.8	2/9/2009	2/10/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B09022	89	3500	88.8	2/9/2009	2/10/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B09022	89	120	88.8	2/9/2009	2/10/2009	
Vinyl chloride	EPA 8260B	9B09022	220	ND	88.8	2/9/2009	2/10/2009	
m,p-Xylenes	EPA 8260B	9B09022	89	550	88.8	2/9/2009	2/10/2009	
o-Xylene	EPA 8260B	9B09022	89	150	88.8	2/9/2009	2/10/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				80 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				71 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				75 %				

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-11 (SWS-01-09 - Soil)						Sampled: 02/05/09		
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Bromobenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Bromochloromethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Bromodichloromethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Bromoform	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Bromomethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
n-Butylbenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
sec-Butylbenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
tert-Butylbenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Carbon tetrachloride	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Chlorobenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Chloroethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Chloroform	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Chloromethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
2-Chlorotoluene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
4-Chlorotoluene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Dibromochloromethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Dibromomethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,2-Dichlorobenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,3-Dichlorobenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,4-Dichlorobenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Dichlorodifluoromethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,1-Dichloroethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,2-Dichloroethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,1-Dichloroethene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,2-Dichloropropane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,3-Dichloropropane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
2,2-Dichloropropane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	L
trans-1,3-Dichloropropene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,1-Dichloropropene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Ethylbenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Hexachlorobutadiene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
Isopropylbenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
p-Isopropyltoluene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Methylene chloride	EPA 8260B	9B09015	20	ND	1.01	2/9/2009	2/9/2009	
Naphthalene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	

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Project Manager

Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-11 (SWS-01-09 - Soil) - cont.				Sampled: 02/05/09				
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Styrene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Tetrachloroethene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Toluene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,1,1-Trichloroethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,1,2-Trichloroethane	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Trichloroethene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Trichlorofluoromethane	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
1,2,3-Trichloropropane	EPA 8260B	9B09015	10	ND	1.01	2/9/2009	2/9/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Vinyl chloride	EPA 8260B	9B09015	5.1	ND	1.01	2/9/2009	2/9/2009	
m,p-Xylenes	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
o-Xylene	EPA 8260B	9B09015	2.0	ND	1.01	2/9/2009	2/9/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)								98 %
Surrogate: Dibromofluoromethane (80-125%)								99 %
Surrogate: Toluene-d8 (80-120%)								100 %

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POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-02 (NES-02-05 - Soil)				Sampled: 02/05/09				
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1221	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1232	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1242	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1248	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1254	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
Aroclor 1260	EPA 8082	9B11040	50	ND	1	2/11/2009	2/12/2009	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				69 %				
Sample ID: ISB0709-08 (NES-02-03 - Soil)				Sampled: 02/05/09				
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1221	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1232	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1242	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1248	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1254	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1260	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				63 %				
Sample ID: ISB0709-11 (SWS-01-09 - Soil)				Sampled: 02/05/09				
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1221	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1232	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1242	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1248	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1254	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
Aroclor 1260	EPA 8082	9B11040	50	ND	1	2/11/2009	2/13/2009	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				76 %				

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-02 (NES-02-05 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B13118	0.020	ND	1	2/13/2009	2/13/2009	
Antimony	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Arsenic	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Barium	EPA 6010B	9B09067	1.0	32	1	2/9/2009	2/10/2009	
Beryllium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Cadmium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Chromium	EPA 6010B	9B09067	1.0	7.6	1	2/9/2009	2/10/2009	
Cobalt	EPA 6010B	9B09067	1.0	ND	1	2/9/2009	2/10/2009	
Copper	EPA 6010B	9B09067	2.0	3.6	1	2/9/2009	2/10/2009	
Lead	EPA 6010B	9B09067	2.0	3.3	1	2/9/2009	2/10/2009	
Molybdenum	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Nickel	EPA 6010B	9B09067	2.0	4.6	1	2/9/2009	2/10/2009	
Selenium	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Silver	EPA 6010B	9B09067	1.0	ND	1	2/9/2009	2/10/2009	
Thallium	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Vanadium	EPA 6010B	9B09067	1.0	14	1	2/9/2009	2/10/2009	
Zinc	EPA 6010B	9B09067	5.0	15	1	2/9/2009	2/10/2009	
Sample ID: ISB0709-08 (NES-02-03 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B13118	0.020	0.023	1	2/13/2009	2/13/2009	
Antimony	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Arsenic	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Barium	EPA 6010B	9B09067	1.0	140	1	2/9/2009	2/10/2009	
Beryllium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Cadmium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Chromium	EPA 6010B	9B09067	1.0	6.1	1	2/9/2009	2/10/2009	
Cobalt	EPA 6010B	9B09067	1.0	ND	1	2/9/2009	2/10/2009	
Copper	EPA 6010B	9B09067	2.0	6.9	1	2/9/2009	2/10/2009	
Lead	EPA 6010B	9B09067	2.0	4.2	1	2/9/2009	2/10/2009	
Molybdenum	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Nickel	EPA 6010B	9B09067	2.0	6.5	1	2/9/2009	2/10/2009	
Selenium	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Silver	EPA 6010B	9B09067	1.0	ND	1	2/9/2009	2/10/2009	
Thallium	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Vanadium	EPA 6010B	9B09067	1.0	13	1	2/9/2009	2/10/2009	
Zinc	EPA 6010B	9B09067	5.0	14	1	2/9/2009	2/10/2009	

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Sample ID: ISB0709-11 (SWS-01-09 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B13118	0.020	ND	1	2/13/2009	2/13/2009	
Antimony	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Arsenic	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Barium	EPA 6010B	9B09067	1.0	23	1	2/9/2009	2/10/2009	
Beryllium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Cadmium	EPA 6010B	9B09067	0.50	ND	1	2/9/2009	2/10/2009	
Chromium	EPA 6010B	9B09067	1.0	9.5	1	2/9/2009	2/10/2009	
Cobalt	EPA 6010B	9B09067	1.0	1.2	1	2/9/2009	2/10/2009	
Copper	EPA 6010B	9B09067	2.0	3.5	1	2/9/2009	2/10/2009	
Lead	EPA 6010B	9B09067	2.0	2.3	1	2/9/2009	2/10/2009	
Molybdenum	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Nickel	EPA 6010B	9B09067	2.0	7.1	1	2/9/2009	2/10/2009	
Selenium	EPA 6010B	9B09067	2.0	ND	1	2/9/2009	2/10/2009	
Silver	EPA 6010B	9B09067	1.0	ND	1	2/9/2009	2/10/2009	
Thallium	EPA 6010B	9B09067	10	ND	1	2/9/2009	2/10/2009	
Vanadium	EPA 6010B	9B09067	1.0	14	1	2/9/2009	2/10/2009	
Zinc	EPA 6010B	9B09067	5.0	8.8	1	2/9/2009	2/10/2009	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-03 (NWS-02-05 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B10055	5.0	17	1	2/10/2009	2/10/2009	
Sample ID: ISB0709-04 (NWS-02-10 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B10055	5.0	87	1	2/10/2009	2/10/2009	
Sample ID: ISB0709-05 (NWS-01-05 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B10055	25	380	5	2/10/2009	2/10/2009	
Sample ID: ISB0709-06 (NWS-01-10 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B10055	25	370	5	2/10/2009	2/10/2009	
Sample ID: ISB0709-07 (NWS-01-03 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B10055	25	330	5	2/10/2009	2/10/2009	
Sample ID: ISB0709-08 (NES-02-03 - Soil)				Sampled: 02/05/09				
Reporting Units: mg/kg								
Chloride	EPA 300.0	9B11063	5.0	41	1	2/11/2009	2/11/2009	

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HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-01 (NES-01-05 - Soil)				Sampled: 02/05/09					
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	10	150	2	100	2/10/2009	2/11/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	7.0	13	2	9	2/10/2009	2/11/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	7.0	17	2	11	2/10/2009	2/11/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	7.0	22	2	15	2/10/2009	2/11/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	7.0	20	2	13	2/10/2009	2/11/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	7.0	17	2	11	2/10/2009	2/11/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	7.0	16	2	11	2/10/2009	2/11/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	7.0	14	2	9	2/10/2009	2/11/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	7.0	15	2	10	2/10/2009	2/11/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	7.0	7.9	2	5	2/10/2009	2/11/2009	

Surrogate: n-Octacosane (40-125%)

95 %

C-7

Sample ID: ISB0709-02 (NES-02-05 - Soil)

Sampled: 02/05/09

Reporting Units: mg/kg

EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	43	1	100	2/10/2009	2/11/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	6.0	1	14	2/10/2009	2/11/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	8.0	1	19	2/10/2009	2/11/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	6.9	1	16	2/10/2009	2/11/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	5.7	1	13	2/10/2009	2/11/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	4.1	1	10	2/10/2009	2/11/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	

Surrogate: n-Octacosane (40-125%)

31 %

C-7, Z

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HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers	
Sample ID: ISB0709-03 (NWS-02-05 - Soil)				Sampled: 02/05/09						
Reporting Units: mg/kg										
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	25	3200	5	100	2/10/2009	2/11/2009		
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	18	91	5	3	2/10/2009	2/11/2009		
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	18	210	5	7	2/10/2009	2/11/2009		
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	18	390	5	12	2/10/2009	2/11/2009		
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	18	390	5	12	2/10/2009	2/11/2009		
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	18	510	5	16	2/10/2009	2/11/2009		
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	18	490	5	15	2/10/2009	2/11/2009		
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	18	320	5	10	2/10/2009	2/11/2009		
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	18	270	5	8	2/10/2009	2/11/2009		
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	18	170	5	5	2/10/2009	2/11/2009		
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	18	130	5	4	2/10/2009	2/11/2009		
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	18	76	5	2	2/10/2009	2/11/2009		
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	18	56	5	2	2/10/2009	2/11/2009		
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	18	55	5	2	2/10/2009	2/11/2009		
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	18	25	5	1	2/10/2009	2/11/2009		
Surrogate: n-Octacosane (40-125%)				227 %						C-7, Z3
Sample ID: ISB0709-04 (NWS-02-10 - Soil)				Sampled: 02/05/09						
Reporting Units: mg/kg										
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	0.999	N/A	2/10/2009	2/10/2009		
Surrogate: n-Octacosane (40-125%)				63 %						

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Patty Mata
Project Manager

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Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-05 (NWS-01-05 - Soil)			Sampled: 02/05/09						
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	

Surrogate: n-Octacosane (40-125%)

54 %

Sample ID: ISB0709-06 (NWS-01-10 - Soil)

Sampled: 02/05/09

Reporting Units: mg/kg

EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	

Surrogate: n-Octacosane (40-125%)

62 %

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Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers	
Sample ID: ISB0709-07 (NWS-01-03 - Soil)				Sampled: 02/05/09						
Reporting Units: mg/kg										
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	10	33	2	100	2/10/2009	2/11/2009		
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/11/2009		
Surrogate: n-Octacosane (40-125%)				31 %						C-7, Z

Sample ID: ISB0709-08 (NES-02-03 - Soil)				Sampled: 02/05/09						
Reporting Units: mg/kg										
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	120	7300	25	100	2/10/2009	2/11/2009		
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	88	240	25	3	2/10/2009	2/11/2009		
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	88	550	25	8	2/10/2009	2/11/2009		
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	88	920	25	13	2/10/2009	2/11/2009		
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	88	1100	25	15	2/10/2009	2/11/2009		
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	88	1100	25	15	2/10/2009	2/11/2009		
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	88	1000	25	14	2/10/2009	2/11/2009		
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	88	670	25	9	2/10/2009	2/11/2009		
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	88	570	25	8	2/10/2009	2/11/2009		
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	88	360	25	5	2/10/2009	2/11/2009		
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	88	360	25	5	2/10/2009	2/11/2009		
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	88	120	25	2	2/10/2009	2/11/2009		
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	88	120	25	2	2/10/2009	2/11/2009		
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	88	130	25	2	2/10/2009	2/11/2009		
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	88	ND	25	N/A	2/10/2009	2/11/2009		
Surrogate: n-Octacosane (40-125%)				358 %						C-7, Z3

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Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-09 (SWS-01-05 - Soil)				Sampled: 02/05/09					
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	49	1	100	2/10/2009	2/11/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	3.8	1	8	2/10/2009	2/11/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	5.0	1	10	2/10/2009	2/11/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	5.1	1	10	2/10/2009	2/11/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	5.3	1	11	2/10/2009	2/11/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	4.5	1	9	2/10/2009	2/11/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	4.3	1	9	2/10/2009	2/11/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	3.9	1	8	2/10/2009	2/11/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	3.6	1	7	2/10/2009	2/11/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	5.3	1	11	2/10/2009	2/11/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/11/2009	

Surrogate: n-Octacosane (40-125%)

34 %

C-7, Z

Sample ID: ISB0709-10 (SWS-02-05 - Soil)

Sampled: 02/05/09

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	12	1	100	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	

Surrogate: n-Octacosane (40-125%)

80 %

TestAmerica Irvine

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Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-11 (SWS-01-09 - Soil)			Sampled: 02/05/09						
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	

Surrogate: n-Octacosane (40-125%)

74 %

Sample ID: ISB0709-12 (SWS-02-10 - Soil)

Sampled: 02/05/09

Reporting Units: mg/kg

EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	

Surrogate: n-Octacosane (40-125%)

42 %

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Project ID: 07-207, Orcutt

Report Number: ISB0709

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Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-13 (NES-03-05 - Soil)			Sampled: 02/05/09						
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	10	38	2	100	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	7.0	ND	2	N/A	2/10/2009	2/10/2009	
<i>Surrogate: n-Octacosane (40-125%)</i>				47 %					

Sample ID: ISB0709-14 (NES-04-05 - Soil)			Sampled: 02/05/09						
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C28)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
<i>Surrogate: n-Octacosane (40-125%)</i>				74 %					

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Patty Mata
Project Manager

Waterstone Environmental
 2936 E Coronado Street
 Anaheim, CA 92806
 Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
 Received: 02/06/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0709-15 (NES-04-10 - Soil)				Sampled: 02/05/09					
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B09047	5.0	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B09047	3.5	ND	1	N/A	2/10/2009	2/10/2009	
<i>Surrogate: n-Octacosane (40-125%)</i>				72 %					

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Patty Mata
 Project Manager

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Waterstone Environmental
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Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

METHOD BLANK/QC DATA

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09047 Extracted: 02/10/09										
Blank Analyzed: 02/10/2009 (9B09047-BLK1)										
EFH (C8 - C40)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	5.53		mg/kg	6.67		83	40-125			
LCS Analyzed: 02/10/2009 (9B09047-BS1)										
EFH (C10 - C28)	27.7	5.0	mg/kg	33.3		83	45-115			
Surrogate: n-Octacosane	5.64		mg/kg	6.67		85	40-125			
Matrix Spike Analyzed: 02/10/2009 (9B09047-MS1) Source: ISB0709-14										
EFH (C10 - C28)	26.5	5.0	mg/kg	33.3	ND	80	40-120			
Surrogate: n-Octacosane	5.54		mg/kg	6.66		83	40-125			
Matrix Spike Dup Analyzed: 02/10/2009 (9B09047-MSD1) Source: ISB0709-14										
EFH (C10 - C28)	25.9	5.0	mg/kg	33.3	ND	78	40-120	2	30	
Surrogate: n-Octacosane	5.49		mg/kg	6.67		82	40-125			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
Blank Analyzed: 02/09/2009 (9B09015-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
Blank Analyzed: 02/09/2009 (9B09015-BLK1)										
Hexachlorobutadiene	ND	5.0	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	44.7		ug/kg	50.0		89	80-120			
Surrogate: Dibromofluoromethane	51.6		ug/kg	50.0		103	80-125			
Surrogate: Toluene-d8	48.5		ug/kg	50.0		97	80-120			
LCS Analyzed: 02/09/2009 (9B09015-BS1)										
Benzene	47.7	2.0	ug/kg	50.0		95	65-120			MNR1
Bromobenzene	52.3	5.0	ug/kg	50.0		105	75-120			
Bromochloromethane	56.9	5.0	ug/kg	50.0		114	70-135			
Bromodichloromethane	57.1	2.0	ug/kg	50.0		114	70-135			
Bromoform	45.9	5.0	ug/kg	50.0		92	55-135			
Bromomethane	56.8	5.0	ug/kg	50.0		114	60-145			
n-Butylbenzene	48.0	5.0	ug/kg	50.0		96	70-130			
sec-Butylbenzene	48.6	5.0	ug/kg	50.0		97	70-125			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
LCS Analyzed: 02/09/2009 (9B09015-BS1)										
tert-Butylbenzene	50.0	5.0	ug/kg	50.0		100	70-125			MNR1
Carbon tetrachloride	54.2	5.0	ug/kg	50.0		108	65-140			
Chlorobenzene	51.0	2.0	ug/kg	50.0		102	75-120			
Chloroethane	53.3	5.0	ug/kg	50.0		107	60-140			
Chloroform	54.8	2.0	ug/kg	50.0		110	70-130			
Chloromethane	45.1	5.0	ug/kg	50.0		90	45-145			
2-Chlorotoluene	49.2	5.0	ug/kg	50.0		98	70-125			
4-Chlorotoluene	50.6	5.0	ug/kg	50.0		101	75-125			
1,2-Dibromo-3-chloropropane	45.3	5.0	ug/kg	50.0		91	50-135			
Dibromochloromethane	51.1	2.0	ug/kg	50.0		102	65-140			
1,2-Dibromoethane (EDB)	53.9	2.0	ug/kg	50.0		108	70-130			
Dibromomethane	54.1	2.0	ug/kg	50.0		108	70-130			
1,2-Dichlorobenzene	51.7	2.0	ug/kg	50.0		103	75-120			
1,3-Dichlorobenzene	50.5	2.0	ug/kg	50.0		101	75-125			
1,4-Dichlorobenzene	45.5	2.0	ug/kg	50.0		91	75-120			
Dichlorodifluoromethane	40.6	5.0	ug/kg	50.0		81	35-160			
1,1-Dichloroethane	51.4	2.0	ug/kg	50.0		103	70-130			
1,2-Dichloroethane	51.6	2.0	ug/kg	50.0		103	60-140			
1,1-Dichloroethene	48.4	5.0	ug/kg	50.0		97	70-125			
cis-1,2-Dichloroethene	50.4	2.0	ug/kg	50.0		101	70-125			
trans-1,2-Dichloroethene	43.5	2.0	ug/kg	50.0		87	70-125			
1,2-Dichloropropane	49.8	2.0	ug/kg	50.0		100	70-130			
1,3-Dichloropropane	54.1	2.0	ug/kg	50.0		108	70-125			
2,2-Dichloropropane	47.7	2.0	ug/kg	50.0		95	60-145			
cis-1,3-Dichloropropene	63.2	2.0	ug/kg	50.0		126	75-125			L
trans-1,3-Dichloropropene	48.0	2.0	ug/kg	50.0		96	70-135			
1,1-Dichloropropene	51.9	2.0	ug/kg	50.0		104	70-130			
Ethylbenzene	52.3	2.0	ug/kg	50.0		105	70-125			
Hexachlorobutadiene	38.6	5.0	ug/kg	50.0		77	60-135			
Isopropylbenzene	50.1	2.0	ug/kg	50.0		100	75-130			
p-Isopropyltoluene	49.1	2.0	ug/kg	50.0		98	75-125			
Methylene chloride	57.9	20	ug/kg	50.0		116	55-135			
Naphthalene	57.8	5.0	ug/kg	50.0		116	55-135			
n-Propylbenzene	51.0	2.0	ug/kg	50.0		102	70-130			
Styrene	51.9	2.0	ug/kg	50.0		104	75-130			
1,1,1,2-Tetrachloroethane	53.1	5.0	ug/kg	50.0		106	70-130			

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Sampled: 02/05/09
Received: 02/06/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
LCS Analyzed: 02/09/2009 (9B09015-BS1)										
1,1,2,2-Tetrachloroethane	54.9	2.0	ug/kg	50.0		110	55-140			MNR1
Tetrachloroethene	52.4	2.0	ug/kg	50.0		105	70-125			
Toluene	51.4	2.0	ug/kg	50.0		103	70-125			
1,2,3-Trichlorobenzene	55.6	5.0	ug/kg	50.0		111	60-130			
1,2,4-Trichlorobenzene	55.6	5.0	ug/kg	50.0		111	70-135			
1,1,1-Trichloroethane	50.0	2.0	ug/kg	50.0		100	65-135			
1,1,2-Trichloroethane	52.6	2.0	ug/kg	50.0		105	65-135			
Trichloroethene	49.0	2.0	ug/kg	50.0		98	70-125			
Trichlorofluoromethane	49.9	5.0	ug/kg	50.0		100	60-145			
1,2,3-Trichloropropane	51.6	10	ug/kg	50.0		103	60-135			
1,2,4-Trimethylbenzene	51.3	2.0	ug/kg	50.0		103	70-125			
1,3,5-Trimethylbenzene	50.6	2.0	ug/kg	50.0		101	70-125			
Vinyl chloride	48.2	5.0	ug/kg	50.0		96	55-135			
m,p-Xylenes	106	2.0	ug/kg	100		106	70-125			
o-Xylene	53.7	2.0	ug/kg	50.0		107	70-125			
Surrogate: 4-Bromofluorobenzene	47.9		ug/kg	50.0		96	80-120			
Surrogate: Dibromofluoromethane	52.7		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	47.2		ug/kg	50.0		94	80-120			
LCS Dup Analyzed: 02/09/2009 (9B09015-BSD1)										
Benzene	48.9	2.0	ug/kg	50.0		98	65-120	2	20	
Bromobenzene	53.4	5.0	ug/kg	50.0		107	75-120	2	20	
Bromochloromethane	56.6	5.0	ug/kg	50.0		113	70-135	1	20	
Bromodichloromethane	57.1	2.0	ug/kg	50.0		114	70-135	0	20	
Bromoform	43.8	5.0	ug/kg	50.0		88	55-135	5	25	
Bromomethane	57.5	5.0	ug/kg	50.0		115	60-145	1	20	
n-Butylbenzene	55.1	5.0	ug/kg	50.0		110	70-130	14	20	
sec-Butylbenzene	54.5	5.0	ug/kg	50.0		109	70-125	11	20	
tert-Butylbenzene	54.0	5.0	ug/kg	50.0		108	70-125	8	20	
Carbon tetrachloride	55.2	5.0	ug/kg	50.0		110	65-140	2	20	
Chlorobenzene	52.0	2.0	ug/kg	50.0		104	75-120	2	20	
Chloroethane	54.0	5.0	ug/kg	50.0		108	60-140	1	25	
Chloroform	54.6	2.0	ug/kg	50.0		109	70-130	0	20	
Chloromethane	46.2	5.0	ug/kg	50.0		92	45-145	2	25	
2-Chlorotoluene	50.9	5.0	ug/kg	50.0		102	70-125	3	20	
4-Chlorotoluene	52.9	5.0	ug/kg	50.0		106	75-125	4	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
LCS Dup Analyzed: 02/09/2009 (9B09015-BSD1)										
1,2-Dibromo-3-chloropropane	46.1	5.0	ug/kg	50.0		92	50-135	2	30	
Dibromochloromethane	50.2	2.0	ug/kg	50.0		100	65-140	2	20	
1,2-Dibromoethane (EDB)	53.5	2.0	ug/kg	50.0		107	70-130	1	20	
Dibromomethane	54.1	2.0	ug/kg	50.0		108	70-130	0	20	
1,2-Dichlorobenzene	52.5	2.0	ug/kg	50.0		105	75-120	1	20	
1,3-Dichlorobenzene	51.7	2.0	ug/kg	50.0		103	75-125	2	20	
1,4-Dichlorobenzene	47.0	2.0	ug/kg	50.0		94	75-120	3	20	
Dichlorodifluoromethane	42.2	5.0	ug/kg	50.0		84	35-160	4	30	
1,1-Dichloroethane	52.3	2.0	ug/kg	50.0		105	70-130	2	20	
1,2-Dichloroethane	51.8	2.0	ug/kg	50.0		104	60-140	0	20	
1,1-Dichloroethene	48.2	5.0	ug/kg	50.0		96	70-125	0	20	
cis-1,2-Dichloroethene	50.0	2.0	ug/kg	50.0		100	70-125	1	20	
trans-1,2-Dichloroethene	44.8	2.0	ug/kg	50.0		90	70-125	3	20	
1,2-Dichloropropane	50.2	2.0	ug/kg	50.0		100	70-130	1	20	
1,3-Dichloropropane	53.2	2.0	ug/kg	50.0		106	70-125	2	20	
2,2-Dichloropropane	50.2	2.0	ug/kg	50.0		100	60-145	5	20	
cis-1,3-Dichloropropene	64.1	2.0	ug/kg	50.0		128	75-125	1	20	L
trans-1,3-Dichloropropene	47.0	2.0	ug/kg	50.0		94	70-135	2	20	
1,1-Dichloropropene	53.9	2.0	ug/kg	50.0		108	70-130	4	20	
Ethylbenzene	53.7	2.0	ug/kg	50.0		107	70-125	3	20	
Hexachlorobutadiene	51.0	5.0	ug/kg	50.0		102	60-135	28	20	R-7
Isopropylbenzene	52.9	2.0	ug/kg	50.0		106	75-130	6	20	
p-Isopropyltoluene	54.3	2.0	ug/kg	50.0		109	75-125	10	20	
Methylene chloride	58.1	20	ug/kg	50.0		116	55-135	0	20	
Naphthalene	57.6	5.0	ug/kg	50.0		115	55-135	0	25	
n-Propylbenzene	53.9	2.0	ug/kg	50.0		108	70-130	6	20	
Styrene	52.2	2.0	ug/kg	50.0		104	75-130	1	20	
1,1,1,2-Tetrachloroethane	52.5	5.0	ug/kg	50.0		105	70-130	1	20	
1,1,2,2-Tetrachloroethane	54.9	2.0	ug/kg	50.0		110	55-140	0	30	
Tetrachloroethene	53.3	2.0	ug/kg	50.0		107	70-125	2	20	
Toluene	52.2	2.0	ug/kg	50.0		104	70-125	2	20	
1,2,3-Trichlorobenzene	57.9	5.0	ug/kg	50.0		116	60-130	4	20	
1,2,4-Trichlorobenzene	58.3	5.0	ug/kg	50.0		117	70-135	5	20	
1,1,1-Trichloroethane	51.5	2.0	ug/kg	50.0		103	65-135	3	20	
1,1,2-Trichloroethane	51.1	2.0	ug/kg	50.0		102	65-135	3	20	
Trichloroethene	49.7	2.0	ug/kg	50.0		99	70-125	1	20	

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09015 Extracted: 02/09/09										
LCS Dup Analyzed: 02/09/2009 (9B09015-BSD1)										
Trichlorofluoromethane	50.3	5.0	ug/kg	50.0		101	60-145	1	25	
1,2,3-Trichloropropane	51.1	10	ug/kg	50.0		102	60-135	1	25	
1,2,4-Trimethylbenzene	54.1	2.0	ug/kg	50.0		108	70-125	5	20	
1,3,5-Trimethylbenzene	53.3	2.0	ug/kg	50.0		107	70-125	5	20	
Vinyl chloride	50.9	5.0	ug/kg	50.0		102	55-135	5	25	
m,p-Xylenes	105	2.0	ug/kg	100		105	70-125	1	20	
o-Xylene	53.5	2.0	ug/kg	50.0		107	70-125	0	20	
Surrogate: 4-Bromofluorobenzene	47.6		ug/kg	50.0		95	80-120			
Surrogate: Dibromofluoromethane	52.2		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	47.8		ug/kg	50.0		96	80-120			

Batch: 9B09022 Extracted: 02/09/09

Blank Analyzed: 02/09/2009 (9B09022-BLK1)

Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09022 Extracted: 02/09/09										
Blank Analyzed: 02/09/2009 (9B09022-BLK1)										
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	200	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
Ethylbenzene	ND	100	ug/kg							
Hexachlorobutadiene	ND	250	ug/kg							
Isopropylbenzene	ND	100	ug/kg							
p-Isopropyltoluene	ND	100	ug/kg							
Methylene chloride	ND	1000	ug/kg							
Naphthalene	ND	250	ug/kg							
n-Propylbenzene	ND	100	ug/kg							
Styrene	ND	100	ug/kg							
1,1,1,2-Tetrachloroethane	ND	250	ug/kg							
1,1,2,2-Tetrachloroethane	ND	100	ug/kg							
Tetrachloroethene	ND	100	ug/kg							
Toluene	ND	100	ug/kg							
1,2,3-Trichlorobenzene	ND	250	ug/kg							
1,2,4-Trichlorobenzene	ND	250	ug/kg							
1,1,1-Trichloroethane	ND	100	ug/kg							
1,1,2-Trichloroethane	ND	100	ug/kg							
Trichloroethene	ND	100	ug/kg							
Trichlorofluoromethane	ND	250	ug/kg							
1,2,3-Trichloropropane	ND	500	ug/kg							
1,2,4-Trimethylbenzene	ND	100	ug/kg							
1,3,5-Trimethylbenzene	ND	100	ug/kg							
Vinyl chloride	ND	250	ug/kg							
m,p-Xylenes	ND	100	ug/kg							

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09022 Extracted: 02/09/09										
Blank Analyzed: 02/09/2009 (9B09022-BLK1)										
o-Xylene	ND	100	ug/kg							
Surrogate: 4-Bromofluorobenzene	2570		ug/kg	2500		103	65-140			
Surrogate: Dibromofluoromethane	2610		ug/kg	2500		104	55-140			
Surrogate: Toluene-d8	2480		ug/kg	2500		99	60-140			
LCS Analyzed: 02/09/2009 (9B09022-BS1)										
Benzene	2680	100	ug/kg	2500		107	65-120			
Bromobenzene	2810	250	ug/kg	2500		112	70-120			
Bromochloromethane	2660	250	ug/kg	2500		107	65-125			
Bromodichloromethane	2900	100	ug/kg	2500		116	65-135			
Bromoform	2610	250	ug/kg	2500		104	50-130			
Bromomethane	2270	250	ug/kg	2500		91	30-140			
n-Butylbenzene	2830	250	ug/kg	2500		113	70-130			
sec-Butylbenzene	2860	250	ug/kg	2500		114	70-125			
tert-Butylbenzene	2730	250	ug/kg	2500		109	70-125			
Carbon tetrachloride	2940	250	ug/kg	2500		118	65-145			
Chlorobenzene	2800	100	ug/kg	2500		112	70-125			
Chloroethane	2260	250	ug/kg	2500		90	40-140			
Chloroform	2750	100	ug/kg	2500		110	75-130			
Chloromethane	2200	250	ug/kg	2500		88	30-140			
2-Chlorotoluene	2640	250	ug/kg	2500		105	70-125			
4-Chlorotoluene	2720	250	ug/kg	2500		109	70-125			
1,2-Dibromo-3-chloropropane	2620	250	ug/kg	2500		105	45-135			
Dibromochloromethane	2800	100	ug/kg	2500		112	65-140			
1,2-Dibromoethane (EDB)	2650	100	ug/kg	2500		106	70-130			
Dibromomethane	2780	100	ug/kg	2500		111	65-130			
1,2-Dichlorobenzene	2690	100	ug/kg	2500		108	70-120			
1,3-Dichlorobenzene	2700	100	ug/kg	2500		108	70-125			
1,4-Dichlorobenzene	2510	100	ug/kg	2500		100	70-125			
Dichlorodifluoromethane	2380	200	ug/kg	2500		95	10-155			
1,1-Dichloroethane	2620	100	ug/kg	2500		105	65-130			
1,2-Dichloroethane	2760	100	ug/kg	2500		110	60-145			
1,1-Dichloroethene	2670	250	ug/kg	2500		107	75-140			
cis-1,2-Dichloroethene	2470	100	ug/kg	2500		99	65-130			
trans-1,2-Dichloroethene	2210	100	ug/kg	2500		88	65-130			
1,2-Dichloropropane	2740	100	ug/kg	2500		110	75-125			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09022 Extracted: 02/09/09										
LCS Analyzed: 02/09/2009 (9B09022-BS1)										
1,3-Dichloropropane	2710	100	ug/kg	2500		109	65-130			
2,2-Dichloropropane	2810	100	ug/kg	2500		112	60-145			
cis-1,3-Dichloropropene	3330	100	ug/kg	2500		133	70-130			L
trans-1,3-Dichloropropene	2620	100	ug/kg	2500		105	65-135			
1,1-Dichloropropene	3010	100	ug/kg	2500		120	70-130			
Ethylbenzene	2840	100	ug/kg	2500		113	80-120			
Hexachlorobutadiene	2780	250	ug/kg	2500		111	60-135			
Isopropylbenzene	2770	100	ug/kg	2500		111	70-125			
p-Isopropyltoluene	2860	100	ug/kg	2500		114	70-125			
Methylene chloride	2570	1000	ug/kg	2500		103	60-140			
Naphthalene	2620	250	ug/kg	2500		105	50-140			
n-Propylbenzene	2820	100	ug/kg	2500		113	70-130			
Styrene	2810	100	ug/kg	2500		113	70-135			
1,1,1,2-Tetrachloroethane	2720	250	ug/kg	2500		109	70-140			
1,1,2,2-Tetrachloroethane	2620	100	ug/kg	2500		105	55-135			
Tetrachloroethene	2760	100	ug/kg	2500		110	65-125			
Toluene	2740	100	ug/kg	2500		109	80-120			
1,2,3-Trichlorobenzene	2780	250	ug/kg	2500		111	60-135			
1,2,4-Trichlorobenzene	2830	250	ug/kg	2500		113	65-135			
1,1,1-Trichloroethane	2790	100	ug/kg	2500		112	65-140			
1,1,2-Trichloroethane	2630	100	ug/kg	2500		105	65-130			
Trichloroethene	2660	100	ug/kg	2500		106	70-130			
Trichlorofluoromethane	2530	250	ug/kg	2500		101	50-145			
1,2,3-Trichloropropane	2640	500	ug/kg	2500		106	55-130			
1,2,4-Trimethylbenzene	2800	100	ug/kg	2500		112	70-125			
1,3,5-Trimethylbenzene	2790	100	ug/kg	2500		112	70-125			
Vinyl chloride	1550	250	ug/kg	2500		62	10-120			
m,p-Xylenes	5440	100	ug/kg	5000		109	70-125			
o-Xylene	2780	100	ug/kg	2500		111	70-125			
Surrogate: 4-Bromofluorobenzene	2480		ug/kg	2500		99	65-140			
Surrogate: Dibromofluoromethane	2320		ug/kg	2500		93	55-140			
Surrogate: Toluene-d8	2470		ug/kg	2500		99	60-140			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09022 Extracted: 02/09/09										
LCS Dup Analyzed: 02/09/2009 (9B09022-BSD1)										
Benzene	2730	100	ug/kg	2500		109	65-120	2	20	
Bromobenzene	2900	250	ug/kg	2500		116	70-120	3	20	
Bromochloromethane	2800	250	ug/kg	2500		112	65-125	5	20	
Bromodichloromethane	2930	100	ug/kg	2500		117	65-135	1	20	
Bromoform	2680	250	ug/kg	2500		107	50-130	3	25	
Bromomethane	2400	250	ug/kg	2500		96	30-140	5	30	
n-Butylbenzene	2910	250	ug/kg	2500		116	70-130	3	20	
sec-Butylbenzene	2930	250	ug/kg	2500		117	70-125	2	20	
tert-Butylbenzene	2840	250	ug/kg	2500		114	70-125	4	20	
Carbon tetrachloride	2930	250	ug/kg	2500		117	65-145	0	20	
Chlorobenzene	2840	100	ug/kg	2500		114	70-125	2	20	
Chloroethane	2340	250	ug/kg	2500		93	40-140	3	25	
Chloroform	2830	100	ug/kg	2500		113	75-130	3	20	
Chloromethane	2320	250	ug/kg	2500		93	30-140	5	25	
2-Chlorotoluene	2710	250	ug/kg	2500		108	70-125	3	20	
4-Chlorotoluene	2790	250	ug/kg	2500		112	70-125	3	20	
1,2-Dibromo-3-chloropropane	2750	250	ug/kg	2500		110	45-135	5	25	
Dibromochloromethane	2810	100	ug/kg	2500		112	65-140	0	20	
1,2-Dibromoethane (EDB)	2690	100	ug/kg	2500		107	70-130	1	20	
Dibromomethane	2820	100	ug/kg	2500		113	65-130	1	20	
1,2-Dichlorobenzene	2800	100	ug/kg	2500		112	70-120	4	20	
1,3-Dichlorobenzene	2790	100	ug/kg	2500		112	70-125	3	20	
1,4-Dichlorobenzene	2570	100	ug/kg	2500		103	70-125	2	20	
Dichlorodifluoromethane	2300	200	ug/kg	2500		92	10-155	3	30	
1,1-Dichloroethane	2720	100	ug/kg	2500		109	65-130	4	20	
1,2-Dichloroethane	2700	100	ug/kg	2500		108	60-145	2	20	
1,1-Dichloroethene	2740	250	ug/kg	2500		110	75-140	3	20	
cis-1,2-Dichloroethene	2620	100	ug/kg	2500		105	65-130	6	20	
trans-1,2-Dichloroethene	2340	100	ug/kg	2500		94	65-130	6	20	
1,2-Dichloropropane	2790	100	ug/kg	2500		112	75-125	2	20	
1,3-Dichloropropane	2790	100	ug/kg	2500		112	65-130	3	20	
2,2-Dichloropropane	2940	100	ug/kg	2500		118	60-145	5	25	
cis-1,3-Dichloropropene	3340	100	ug/kg	2500		134	70-130	0	20	L
trans-1,3-Dichloropropene	2650	100	ug/kg	2500		106	65-135	1	20	
1,1-Dichloropropene	3060	100	ug/kg	2500		122	70-130	2	20	
Ethylbenzene	2850	100	ug/kg	2500		114	80-120	1	20	

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09022 Extracted: 02/09/09										
LCS Dup Analyzed: 02/09/2009 (9B09022-BSD1)										
Hexachlorobutadiene	3000	250	ug/kg	2500		120	60-135	7	20	
Isopropylbenzene	2850	100	ug/kg	2500		114	70-125	3	20	
p-Isopropyltoluene	2940	100	ug/kg	2500		118	70-125	3	20	
Methylene chloride	2720	1000	ug/kg	2500		109	60-140	6	20	
Naphthalene	2830	250	ug/kg	2500		113	50-140	8	25	
n-Propylbenzene	2940	100	ug/kg	2500		117	70-130	4	20	
Styrene	2880	100	ug/kg	2500		115	70-135	2	20	
1,1,1,2-Tetrachloroethane	2760	250	ug/kg	2500		111	70-140	1	20	
1,1,2,2-Tetrachloroethane	2770	100	ug/kg	2500		111	55-135	6	25	
Tetrachloroethene	2800	100	ug/kg	2500		112	65-125	2	20	
Toluene	2770	100	ug/kg	2500		111	80-120	1	20	
1,2,3-Trichlorobenzene	2950	250	ug/kg	2500		118	60-135	6	20	
1,2,4-Trichlorobenzene	2980	250	ug/kg	2500		119	65-135	5	20	
1,1,1-Trichloroethane	2920	100	ug/kg	2500		117	65-140	5	20	
1,1,2-Trichloroethane	2690	100	ug/kg	2500		108	65-130	2	20	
Trichloroethene	2720	100	ug/kg	2500		109	70-130	2	20	
Trichlorofluoromethane	2610	250	ug/kg	2500		104	50-145	3	25	
1,2,3-Trichloropropane	2720	500	ug/kg	2500		109	55-130	3	25	
1,2,4-Trimethylbenzene	2910	100	ug/kg	2500		116	70-125	4	20	
1,3,5-Trimethylbenzene	2840	100	ug/kg	2500		114	70-125	2	20	
Vinyl chloride	1580	250	ug/kg	2500		63	10-120	2	30	
m,p-Xylenes	5580	100	ug/kg	5000		112	70-125	3	20	
o-Xylene	2820	100	ug/kg	2500		113	70-125	1	20	
Surrogate: 4-Bromofluorobenzene	2480		ug/kg	2500		99	65-140			
Surrogate: Dibromofluoromethane	2430		ug/kg	2500		97	55-140			
Surrogate: Toluene-d8	2510		ug/kg	2500		101	60-140			

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POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B11040 Extracted: 02/11/09										
Blank Analyzed: 02/12/2009 (9B11040-BLK1)										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	29.0		ug/kg	33.3		87	45-120			
LCS Analyzed: 02/12/2009 (9B11040-BS2)										
Aroclor 1016	225	50	ug/kg	267		84	65-115			
Aroclor 1260	232	50	ug/kg	267		87	65-115			
Surrogate: Decachlorobiphenyl	30.7		ug/kg	33.3		92	45-120			
Matrix Spike Analyzed: 02/12/2009 (9B11040-MS2)					Source: ISB0709-02					
Aroclor 1016	137	50	ug/kg	267	ND	51	50-120			
Aroclor 1260	146	50	ug/kg	267	ND	55	50-125			
Surrogate: Decachlorobiphenyl	21.6		ug/kg	33.3		65	45-120			
Matrix Spike Dup Analyzed: 02/12/2009 (9B11040-MSD2)					Source: ISB0709-02					
Aroclor 1016	142	50	ug/kg	267	ND	53	50-120	3	30	
Aroclor 1260	148	50	ug/kg	267	ND	55	50-125	2	30	
Surrogate: Decachlorobiphenyl	22.6		ug/kg	33.3		68	45-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09067 Extracted: 02/09/09										
Blank Analyzed: 02/09/2009 (9B09067-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
LCS Analyzed: 02/09/2009 (9B09067-BS1)										
Antimony	44.7	10	mg/kg	50.0		89	80-120			
Arsenic	43.4	2.0	mg/kg	50.0		87	80-120			
Barium	43.9	1.0	mg/kg	50.0		88	80-120			
Beryllium	43.6	0.50	mg/kg	50.0		87	80-120			
Cadmium	42.8	0.50	mg/kg	50.0		86	80-120			
Chromium	45.0	1.0	mg/kg	50.0		90	80-120			
Cobalt	42.2	1.0	mg/kg	50.0		84	80-120			
Copper	44.8	2.0	mg/kg	50.0		90	80-120			
Lead	44.0	2.0	mg/kg	50.0		88	80-120			
Molybdenum	43.2	2.0	mg/kg	50.0		86	80-120			
Nickel	44.4	2.0	mg/kg	50.0		89	80-120			
Selenium	40.0	2.0	mg/kg	50.0		80	80-120			
Silver	22.7	1.0	mg/kg	25.0		91	80-120			
Thallium	43.1	10	mg/kg	50.0		86	80-120			
Vanadium	44.6	1.0	mg/kg	50.0		89	80-120			
Zinc	42.8	5.0	mg/kg	50.0		86	80-120			

TestAmerica Irvine

Patty Mata
Project Manager

Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09067 Extracted: 02/09/09										
Matrix Spike Analyzed: 02/09/2009 (9B09067-MS1)					Source: ISB0189-01					
Antimony	23.4	10	mg/kg	50.0	ND	47	75-125			M2
Arsenic	56.9	2.0	mg/kg	50.0	10.4	93	75-125			
Barium	130	1.0	mg/kg	50.0	193	-125	75-125			M2
Beryllium	43.5	0.50	mg/kg	50.0	0.347	86	75-125			
Cadmium	41.7	0.50	mg/kg	50.0	0.358	83	75-125			
Chromium	48.2	1.0	mg/kg	50.0	3.74	89	75-125			
Cobalt	43.5	1.0	mg/kg	50.0	3.14	81	75-125			
Copper	57.2	2.0	mg/kg	50.0	15.5	83	75-125			
Lead	141	2.0	mg/kg	50.0	60.2	161	75-125			M1
Molybdenum	42.2	2.0	mg/kg	50.0	0.983	83	75-125			
Nickel	45.4	2.0	mg/kg	50.0	3.16	85	75-125			
Selenium	43.0	2.0	mg/kg	50.0	1.13	84	75-125			
Silver	23.3	1.0	mg/kg	25.0	ND	93	75-125			
Thallium	43.3	10	mg/kg	50.0	1.59	84	75-125			
Vanadium	58.6	1.0	mg/kg	50.0	13.2	91	75-125			
Zinc	63.2	5.0	mg/kg	50.0	28.5	69	75-125			M2
Matrix Spike Dup Analyzed: 02/09/2009 (9B09067-MSD1)					Source: ISB0189-01					
Antimony	21.8	10	mg/kg	50.0	ND	44	75-125	7	20	M2
Arsenic	67.6	2.0	mg/kg	50.0	10.4	114	75-125	17	20	
Barium	127	1.0	mg/kg	50.0	193	-131	75-125	2	20	M2
Beryllium	46.3	0.50	mg/kg	50.0	0.347	92	75-125	6	20	
Cadmium	44.4	0.50	mg/kg	50.0	0.358	88	75-125	6	20	
Chromium	49.3	1.0	mg/kg	50.0	3.74	91	75-125	2	20	
Cobalt	46.0	1.0	mg/kg	50.0	3.14	86	75-125	5	20	
Copper	60.3	2.0	mg/kg	50.0	15.5	90	75-125	5	20	
Lead	117	2.0	mg/kg	50.0	60.2	113	75-125	18	20	
Molybdenum	43.3	2.0	mg/kg	50.0	0.983	85	75-125	2	20	
Nickel	47.4	2.0	mg/kg	50.0	3.16	89	75-125	4	20	
Selenium	41.7	2.0	mg/kg	50.0	1.13	81	75-125	3	20	
Silver	24.0	1.0	mg/kg	25.0	ND	96	75-125	3	20	
Thallium	45.4	10	mg/kg	50.0	1.59	88	75-125	5	20	
Vanadium	59.8	1.0	mg/kg	50.0	13.2	93	75-125	2	20	
Zinc	68.3	5.0	mg/kg	50.0	28.5	80	75-125	8	20	

TestAmerica Irvine

Patty Mata
Project Manager

Waterstone Environmental
 2936 E Coronado Street
 Anaheim, CA 92806
 Attention: Nancy Beresky

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Report Number: ISB0709

Sampled: 02/05/09

Received: 02/06/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B13118 Extracted: 02/13/09										
Blank Analyzed: 02/13/2009 (9B13118-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 02/13/2009 (9B13118-BS1)										
Mercury	0.827	0.020	mg/kg	0.800		103	80-120			
Matrix Spike Analyzed: 02/13/2009 (9B13118-MS1)										
					Source: ISB1329-01					
Mercury	0.850	0.020	mg/kg	0.800	0.0197	104	70-130			
Matrix Spike Dup Analyzed: 02/13/2009 (9B13118-MSD1)										
					Source: ISB1329-01					
Mercury	0.894	0.020	mg/kg	0.800	0.0197	109	70-130	5	20	

TestAmerica Irvine

Patty Mata
 Project Manager

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Waterstone Environmental
 2936 E Coronado Street
 Anaheim, CA 92806
 Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09
 Received: 02/06/09

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10055 Extracted: 02/10/09										
Blank Analyzed: 02/10/2009 (9B10055-BLK1)										
Chloride	ND	5.0	mg/kg							
LCS Analyzed: 02/10/2009 (9B10055-BS1)										
Chloride	47.2	5.0	mg/kg	50.0		94	90-110			
Matrix Spike Analyzed: 02/10/2009 (9B10055-MS1)										
Chloride	59.4	5.0	mg/kg	50.0	9.04	101	80-120			
Matrix Spike Dup Analyzed: 02/10/2009 (9B10055-MSD1)										
Chloride	59.5	5.0	mg/kg	50.0	9.04	101	80-120	0	20	
Batch: 9B11063 Extracted: 02/11/09										
Blank Analyzed: 02/11/2009 (9B11063-BLK1)										
Chloride	ND	5.0	mg/kg							
LCS Analyzed: 02/11/2009 (9B11063-BS1)										
Chloride	47.5	5.0	mg/kg	50.0		95	90-110			M-3

TestAmerica Irvine

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Anaheim, CA 92806
Attention: Nancy Beresky

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Report Number: ISB0709

Sampled: 02/05/09
Received: 02/06/09

DATA QUALIFIERS AND DEFINITIONS

- C-7** Calibration Verification recovery was below the method control limit due to matrix interference carried over from analytical samples. The matrix interference was confirmed by reanalysis with the same result.
- I** Internal Standard recovery was outside of method limits. Matrix interference was confirmed.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M-3** Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
- MNR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- R-7** LFB/LFBD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For Hydrocarbon Distribution Analyses:

The reporting limits for the individual carbon distribution ranges are derived by proportioning the individual ranges relative to the total carbon range, not to fall below the method detection limit of the total range.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Patty Mata
Project Manager

Waterstone Environmental
2936 E Coronado Street
Anaheim, CA 92806
Attention: Nancy Beresky

Project ID: 07-207, Orcutt

Report Number: ISB0709

Sampled: 02/05/09

Received: 02/06/09

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 300.0	Soil	X	X
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015 MOD.	Soil	X	X
EPA 8082	Soil	X	X
EPA 8260B	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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ISB0709 <Page 39 of 39>

ANALYSIS REQUEST AND CHAIN OF CUSTODY

WATERSTONE ENVIRONMENTAL, INC.
 2936 EAST CORONADO STREET
 ANAHEIM, CALIFORNIA 92806
 PHONE 714-414-1122 FAX 714-414-1166

TSB 0709

PAGE: 1 OF: 2

6969

TURN AROUND TIME REQUESTED: 57HS

SEND REPORT TO: *ESD/NBEREKY e-mail*

LABORATORY INFORMATION		PROJECT INFORMATION							
COMPANY: TEST AMERICA	PROJECT NAME: ORCUTT								
LAB JOB NUMBER:	PROJECT NUMBER: 07-207								
ADDRESS: B RUNNE	PROJECT LOCATION: ORCUTT								
PHONE: 949-261-1022 FAX:	PROJECT MANAGER: Nancy Berek								
LAB ID	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	NO. OF CONTAINERS	CONTAINER TYPE	PRES	ANALYSIS / METHOD REQUEST	COMMENTS
1	NES-01-05	2/5/09	1210	Soil	1	Acchk	NA	X	
2	NES-02-05		1240		34	Acchk		X	+ ENCLOSES
3	NWS-02-05		1330			Acchk		X	
4	NWS-02-05		1340			Acchk		X	
5	NWS-01-05		1320			Acchk		X	
6	NWS-01-10		1325			Acchk		X	
7	NWS-01-03		1300			BRASS		X	
8	NWS-02-03		1310		34	BRASS PACKAGE BRASS		X	
9	SWS-01-05		1450			BRASS		X	
10	SWS-02-05		1420			ACETON ENVELOP ACETON		X	
11	SWS-01-09		1520					X	
12	SWS-02-10		1515					X	

TOTAL NUMBER OF SAMPLES: 12 (15)

REPORTING FORMAT:	
SAMPLED BY: ERIC LANG	DATE: 2/5/09
RELINQUISHED BY: ESD	DATE / TIME: 2/5/09 2000
RECEIVED BY: Ref. rly	DATE / TIME: 2/5/09 1300
RECEIVED BY: ESD	DATE / TIME: 2/6/09 1415
RECEIVED BY: ESD	DATE / TIME: 2/6/09 1415
RECEIVED BY: ESD	DATE / TIME: 2/6/09 1415
METHOD OF SHIPMENT: Carver	DATE / TIME: 2/5/09 2000
RECEIVED BY: Ref. rly	DATE / TIME: 2/6/09 1300
RECEIVED BY: ESD	DATE / TIME: 2/6/09 1415
RECEIVED BY: ESD	DATE / TIME: 2/6/09 1415
SAMPLE INTEGRITY: <input checked="" type="checkbox"/> INTACT <input checked="" type="checkbox"/> ON ICE <input type="checkbox"/> OTHER: 3.5c	

21

ANALYSIS REQUEST AND CHAIN OF CUSTODY

WATERSTONE ENVIRONMENTAL, INC.
 2936 EAST CORONADO STREET
 ANAHEIM, CALIFORNIA 92806
 PHONE 714-414-1122 FAX 714-414-1166

6967

TURN AROUND TIME REQUESTED: STD
 SEND REPORT TO: N Beperve

ANALYSIS/METHOD REQUEST: TRACID

LABORATORY INFORMATION		PROJECT INFORMATION	
COMPANY: <i>Test America</i>	PROJECT NAME: <i>ORCUTT</i>	PROJECT NUMBER: <i>07-207</i>	PROJECT LOCATION: <i>ORCUTT</i>
LAB JOB NUMBER:	PROJECT MANAGER: <i>Nancy Berish</i>		
ADDRESS: <i>Irvine</i>	FAX:		

LAB ID	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	NO. OF CONTAINERS	CONTAINER TYPE	PRES.	COMMENTS
1	NES-03-05	2/1/09	1630	S-1	1	Acetone	N/A	X
2	NES-04-05	↓	1550	↓	1	Plastic	↓	X
3	NES-04-10	↓	1620	↓	1	Acetone	↓	X
4								
5								
6								
7								
8								
9								
10								
11								
12								

TOTAL NUMBER OF SAMPLES: 3(15)

REPORTING FORMAT:	
SAMPLED BY: <i>ERIC LANG</i>	DATE: 2/5/09
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 2/5/09 2000
METHOD OF SHIPMENT: <i>Cooler</i>	RECEIVED BY: <i>Refridge</i>
DATE/TIME: 2/5/09 2000	DATE/TIME: 2/5/09 2000
RELINQUISHED BY: <i>Refridge</i>	DATE/TIME: 2/6/09 1300
RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 2/6/09 1415
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 2/6/09 1415
RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 2/6/09 1415
SAMPLE INTEGRITY: <input checked="" type="checkbox"/> INTACT <input checked="" type="checkbox"/> NON ICE <input type="checkbox"/> OTHER: 3.5'	

#21

Section 6.0 Alternatives

Table 6-2 Impact Comparison Summary for Alternative Sites

Environmental Issue	Level of Impact							
	Proposed Sites		Alternative Sites under Consideration					
	Key Site 3	Key Site 30	Alt. Site on Key Site 3	Caltrans Site	Ebbert Site	Key Site 15	Key Site 16	Key Site 23
Land Use								
Temporary Construction-Related Compatibility Conflicts	III	III	III	III	III	III	III	III
Airport-Related Compatibility Conflicts	III	I	III	III	III	III	III	III
Other Long-Term Compatibility Conflicts	III	II	II	III	II	II	II	III
Cumulative Airport-Related Compatibility Conflicts	Class III		III	III	III	III	III	III
Other Cumulative Compatibility Conflicts	Class III		III	III	III	III	III	III
Parks and Recreation								
Increased Demand for Recreational Facilities	III	III	III	III	III	III	III	III
Cumulative Demand for Recreational Facilities	III	III	III	III	III	III	III	III
Public Services								
Public Schools Impacts	III	III	III	III	III	III	III	III
Police Protection Impacts	III	III	III	III	III	III	III	III
Fire Protection Impacts	III	III	III	III	III	III	III	III
Cumulative Public Schools Impacts	Class III		III	III	III	III	III	III
Cumulative Police Protection Impacts	Class III		III	III	III	III	III	III
Cumulative Fire Protection Impacts	Class III		III	III	III	III	III	III
Traffic and Circulation								
Local Circulation System Impacts	III	II	III	II*	II*	III	III	III
Public Transportation Impacts	III	III	III	III	III	III	III	III
Cumulative Traffic and Circulation Impacts	II	III	II	II	II	III	II	III
Biological Resources								
Sensitive Habitats	II	II	II	II	II	II	II	II
Special Status Plants	III	III	III	II	II	II	II	II
Special Status Wildlife	II	II	II	II	II	II	II	I
Wildlife Movement Corridors	III	III	III	II	II	II	II	I
Cumulative Impacts to Biological Resources	Class II		II	II	II	II	II	II
Fire Hazards								
Introduction of Residences to Wildland Fire Hazards	II	III	II	II	II	II	II	II
Cumulative Wildland Fire Hazards	Class III		III	III	III	III	III	III
Air Quality								
Temporary Construction Impacts	Class II		Class II, significant but mitigable for combination of sites in each alternative					
Long-Term Regional Emissions	Class II		Class II, significant but mitigable for combination of sites in each alternative					
Hazardous Air Pollutants	II	III	II	III	III	III	III	III
Cumulative Air Quality Impacts	Class I		Class I, significant and unavoidable for combination of sites in each alternative					
Global Climate Change	No threshold exists; therefore no conclusive statement regarding significance can be made.							



Section 6.0 Alternatives

Table 6-2 Impact Comparison Summary for Alternative Sites

Environmental Issue	Level of Impact							
	Proposed Sites		Alternative Sites under Consideration					
	Key Site 3	Key Site 30	Alt. Site on Key Site 3	Caltrans Site	Ebbert Site	Key Site 15	Key Site 16	Key Site 23
Noise								
Temporary Construction Noise	II	II	II	II	II	II	II	II
Exposure to Noise Exceeding County Standards	II	II	II	II	III	II	II	III
Increased Traffic Noise	III	III	III	III	III	III	III	III
Cumulative Noise Impacts	Class III		III	III	III	III	III	III
Seismic, Soil, and Landslide Hazards								
Fault Hazards	III	III	III	III	III	III	III	III
Ground-Shaking Hazards	III	III	III	III	III	III	III	III
Erosive Soils	II	II	II	III	II	II	II	II
Liquefaction, Subsidence, and Other Hazards	III	III	III	III	II	III	II	III
Landslides and Slope Instability Hazards	III	III	III	III	III	III	III	III
Cumulative Geologic Hazard Impacts	Class III		III	III	III	III	III	III
Utilities								
Water Supply	III	III	III	I	I	III	III	III
Wastewater Treatment and Disposal	III	III	III	III	III	III	III	III
Solid Waste and Disposal	Class I		Class I, significant and unavoidable for combination of sites in each alternative					
Cumulative Water Supply Impacts	Class III		III	I	I	III	III	III
Cumulative Wastewater Treatment and Disposal Impacts	Class I		Class I, significant and unavoidable for combination of sites in each alternative					
Cumulative Solid Waste and Disposal Impacts	Class I		Class I, significant and unavoidable for combination of sites in each alternative					
Hydrology and Water Quality								
Temporary Water Quality Impacts	III	III	III	III	III	III	III	III
Long-Term Water Quality Impacts	III	III	III	III	III	III	III	III
Long-Term Hydrological Impacts	II	II	II	II	II	II	II	II
Flood Hazards	III	III	III	III	III	III	III	III
Cumulative Hydrological Impacts	Class III		III	III	III	III	III	III
Hazards and Hazardous Materials								
Hazardous Materials	II	III	II	III	III	II	II	II
Freeway Safety Hazards	III	III	III	III	III	III	III	III
Cumulative Hazardous Materials Impacts	III	III	III	III	III	III	III	III
Cumulative Freeway Safety Hazards	Class III		III	III	III	III	III	III
Cultural Resources								
Impacts to Known Historic or Archaeological Resources	III	III	III	III	III	III	III	III
Impacts to Unknown Historic or Archaeological Resources	II	II	II	II	II	II	II	II
Cumulative Impacts to Cultural Resources	Class III		III	III	III	III	III	III



Section 6.0 Alternatives

Table 6-2 Impact Comparison Summary for Alternative Sites

Environmental Issue	Level of Impact							
	Proposed Sites		Alternative Sites under Consideration					
	Key Site 3	Key Site 30	Alt. Site on Key Site 3	Caltrans Site	Ebbert Site	Key Site 15	Key Site 16	Key Site 23
Visual and Aesthetic Resources								
Visual Character Changes	I	I	I	I	I	II	II	III
Alteration of Scenic Views	I	III	III	I	III	II	II	III
Increased Light or Glare	II	II	II	II	II	II	II	II
Cumulative Visual Character Changes	Class I		I	I	I	III	III	III
Cumulative Alteration of Scenic Views	Class I		III	I	III	III	III	III
Cumulative Increases of Light or Glare	Class III		III	III	III	III	III	III
Agricultural Resources								
Conversion of Agricultural Lands	III	III	III	III	III	III	III	III
Agricultural/Urban Conflicts	III	III	III	III	III	III	III	III
Cumulative Agricultural Resource Impacts	III	III	III	III	III	III	III	III

I = Unavoidably significant impact
 II = Less than significant impact with mitigation
 III = Less than significant impact

*Note: The Caltrans and Ebbert sites did not significantly contribute to local circulation system impacts when considered individually; however when the combined trips from these two sites were added to area roadways, one intersection was significantly impacted, therefore both sites were assigned a Class II impact level.



Attachment "E"







Heading into
Foxenwoods

ORCUTT RESIDENTIAL NEIGHBORHOODS

AREA WITHIN
RESIDENTIAL
NEIGHBORHOOD

- 1 North Wye
- 2 College
- 3 South Wye
- 4 Knollwood
- 5 Woodmere
- 6 Patterson
- 7 Oak Knolls
- 8 Deerfield
- 9 Soloman
- 10 Orcutt Ranchettes
- 11 Westtrails
- 12 Foxenwoods
- 13 Old Town
- 14 Orcutt Hills
- 15 Orcutt Creek
- 16 East Clark
- 17 Rice Ranch
- 18 Miraflores
- 19 Stillwell
- 20 Lake Marie
- 21 Tanglewood

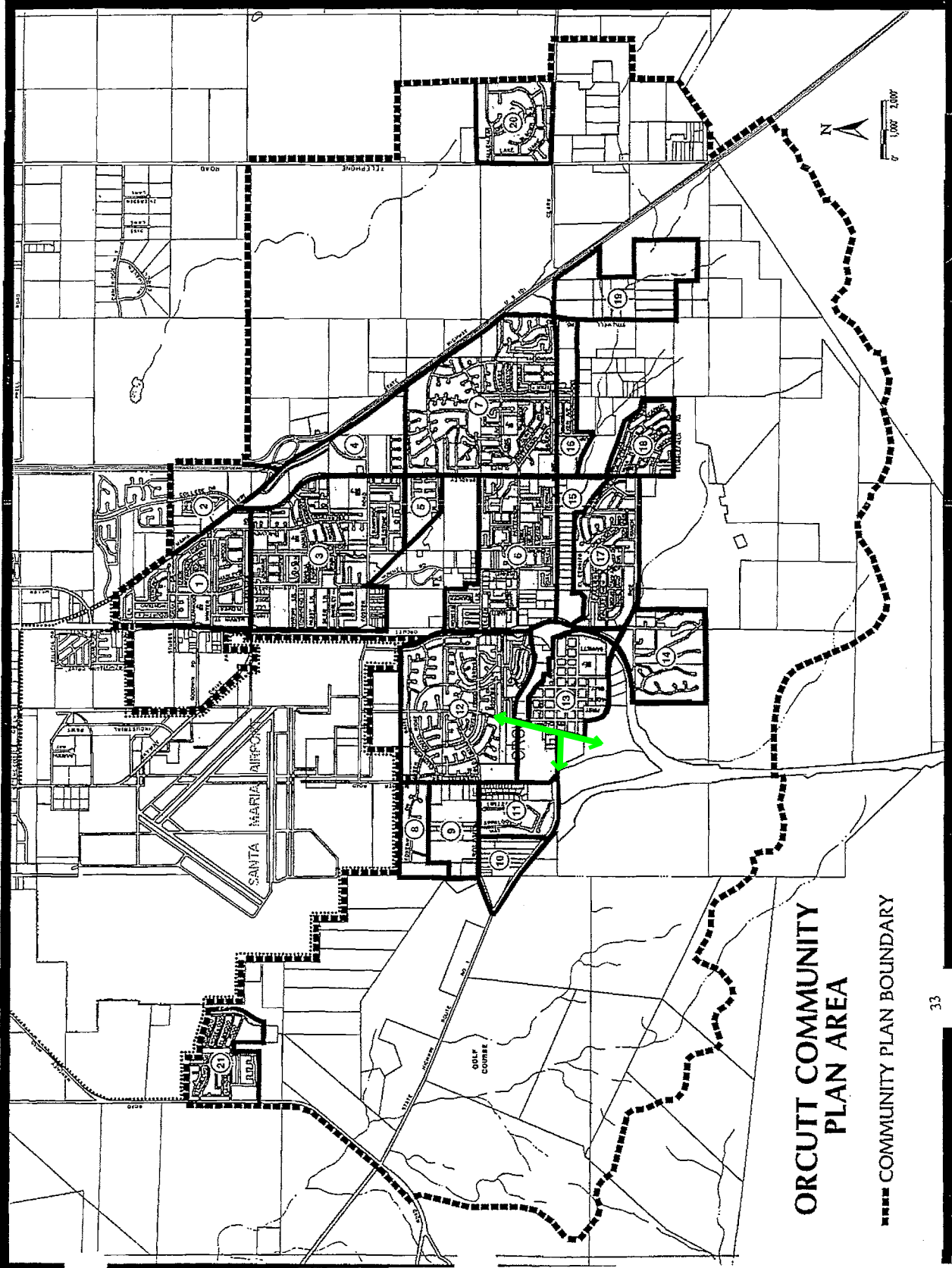
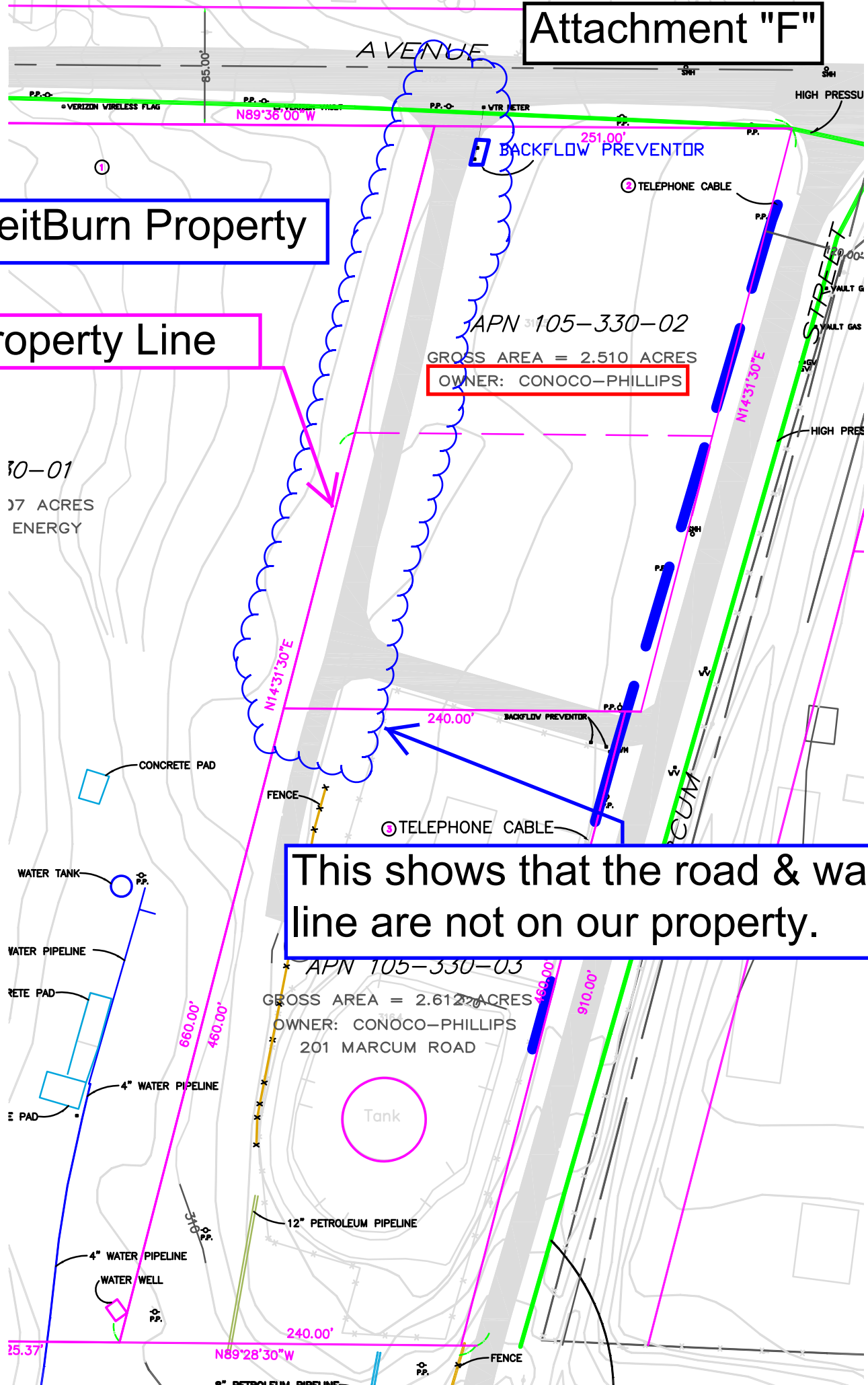


Figure 8 October 10, 1987

Attachment "F"

BreitBurn Property

Property Line



This shows that the road & water line are not on our property.

30-01
37 ACRES
ENERGY

CONCRETE PAD
FENCE
WATER TANK
WATER PIPELINE
METE PAD
4\"

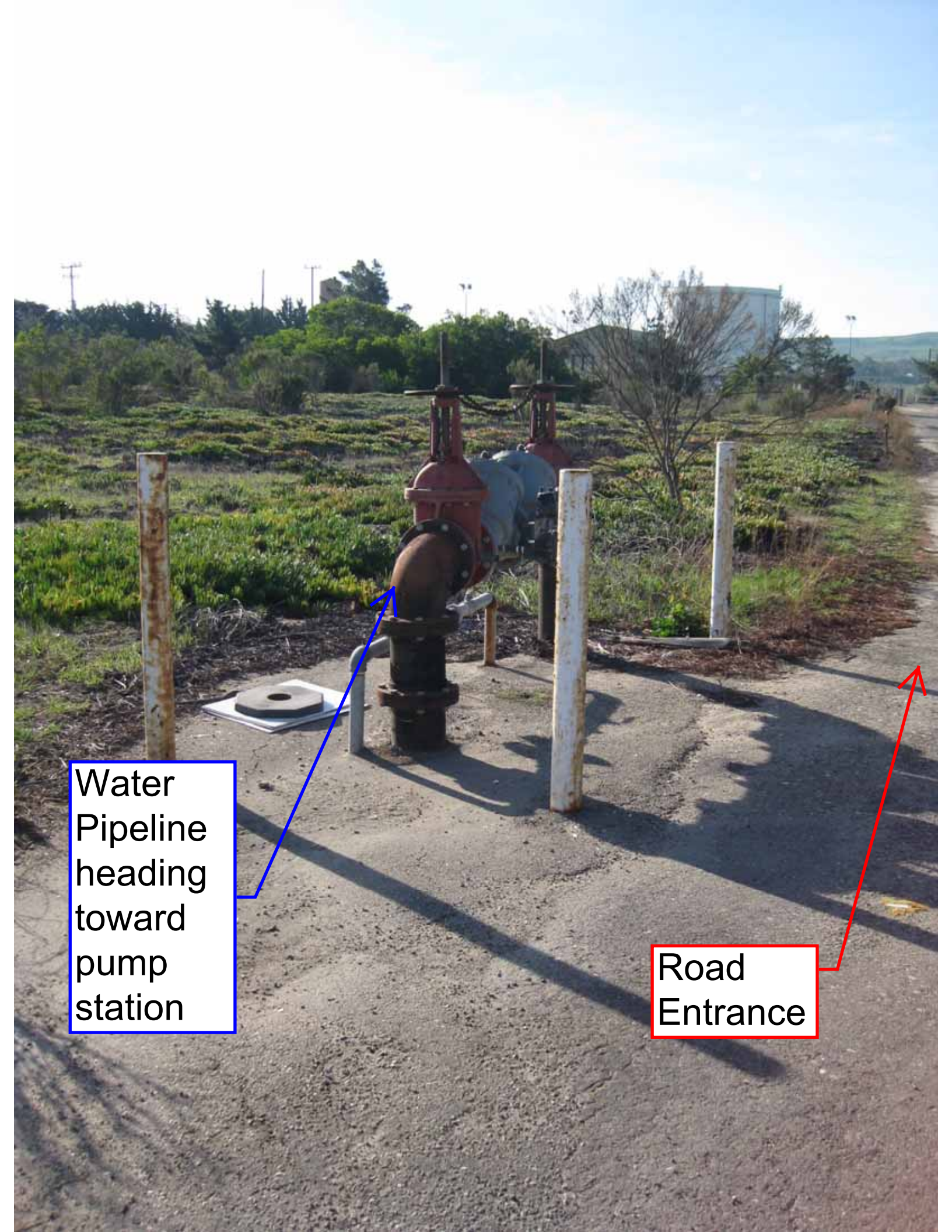
APN 105-330-03
GROSS AREA = 2.612 ACRES
OWNER: CONOCO-PHILLIPS
201 MARCUM ROAD

Tank

12\"

25.37'
N89°28'30\"

FENCE

A photograph of an outdoor water pipeline system. The pipeline is painted red and runs horizontally across the middle of the frame. It features several valves and flanges. The pipeline is supported by vertical white metal posts. In the foreground, a concrete road surface is visible, with a circular manhole cover on the left. A blue arrow points from a text box to the pipeline, and a red arrow points from another text box to the road. The background consists of a grassy field, some trees, and a clear blue sky.

Water Pipeline heading toward pump station

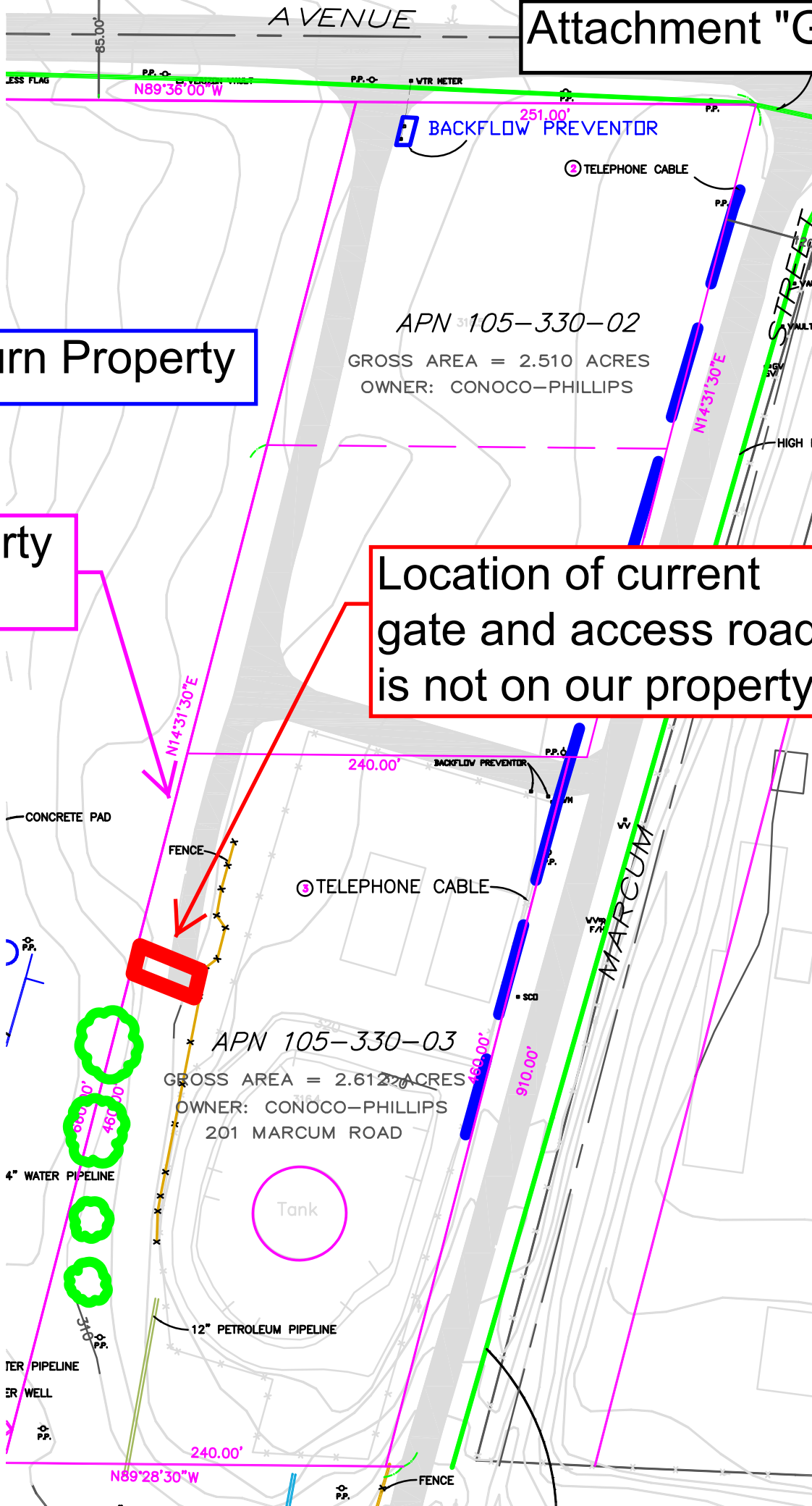
Road Entrance

Attachment "G"

BreitBurn Property

Property Line

Location of current gate and access road is not on our property.



Current gate and access road looking south



Attachment "H"

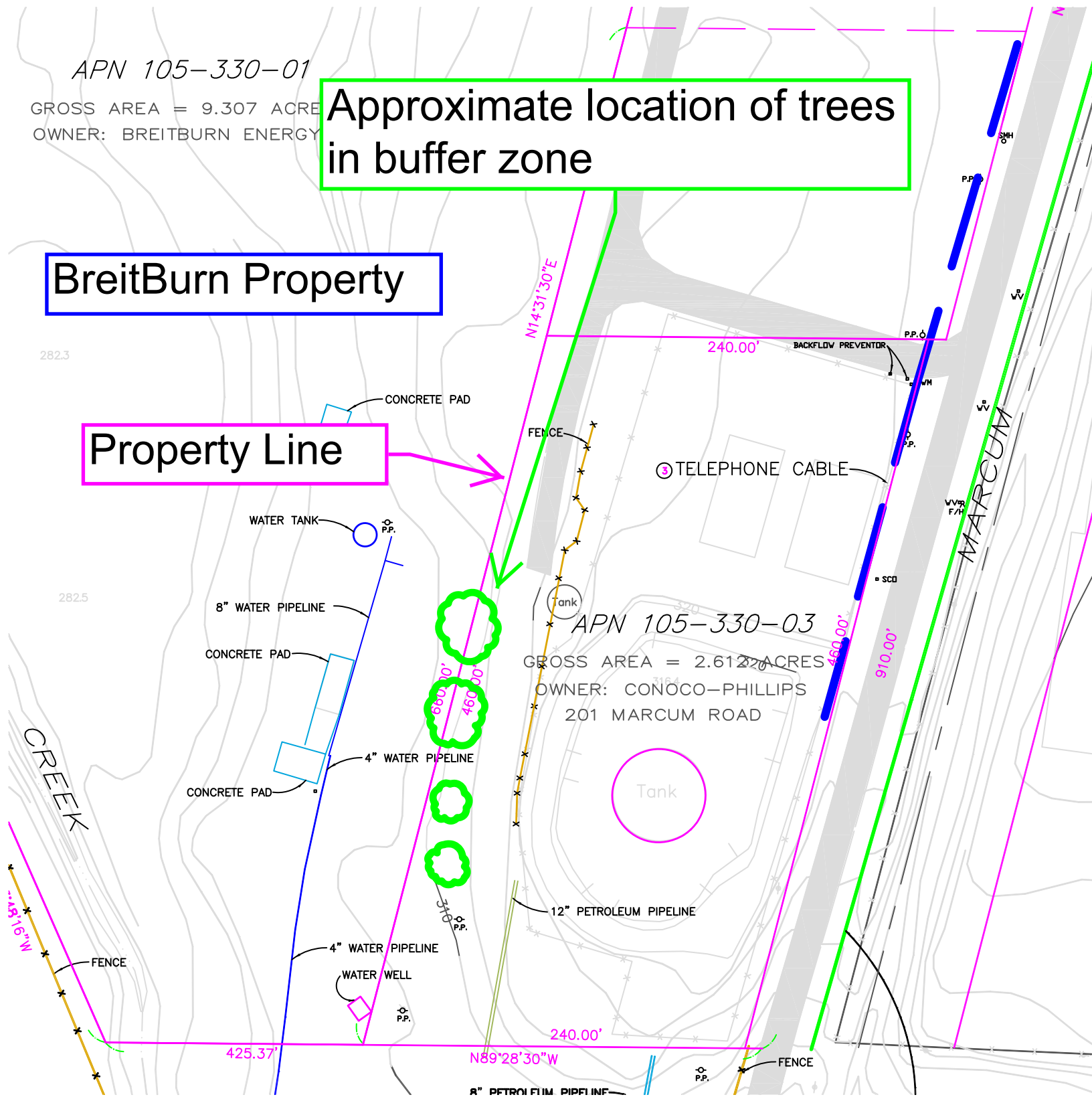
APN 105-330-01

GROSS AREA = 9.307 ACRES
OWNER: BREITBURN ENERGY

Approximate location of trees
in buffer zone

BreitBurn Property

Property Line



Attachment "I"



Luxury Apartment Living

*3235 Orcutt Road, Orcutt, California 93455-0203
(805) 937-5886 info@parkeorcutt.com*

ABOUT PARKE ORCUTT FEATURES & FLOOR PLANS

ONE BEDROOM
FLAT

TWO
BEDROOM
FLAT

THREE BEDROOM FLAT

THREE
BEDROOM
TOWNHOUSE

HOME PAGE

RENTAL
RATES

PARKE ORCUTT
PHOTOGRAPHS

LOCATION
MAP

Acres - 6
Total Units - 117
Units/Acre - 20



