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ENGLAND GEOSYSTEM
ENVIRONMENTAL ENGINEERING

# BOEING REALTY CORPORATION
# FORMER C-6 FACILITY
# LOS ANGELES, CALIFORNIA

## TECHNICAL MEMORANDUM

## IMPORT SOIL EVALUATION
## USE OF SOIL SOURCE K2AS IMPORT TO PARCEL C

**To:** **Mr. Brian Mossman**
**Boeing Realty Corporation**
**3855 Lakewood Blvd.**
**Building 1A MC D001-0097**
**Long Beach, CA 90846**

**From:** **Haley & Aldrich, Inc.**

**Date:** **April 30, 2001**

**Re:** **Import Soil Evaluation, Use of Soil Source K2 as Import to Parcel C, Boeing Realty Corporation, Former C-6 Facility – Parcel C, Los Angeles, California**

Haley & Aldrich, Inc. is herein providing this technical memorandum to summarize our recommendations regarding the use of an identified potential soil source, herein referred to as Source K2, as import to Parcel C of the Boeing Realty Corporation's (BRC's) Former C-6 Facility in Los Angeles, California (subject parcel). Based on our review of the environmental information provided for the Source K2 import soil, this soil may be used as fill soil on Parcel C.

### OVERVIEW/PURPOSE

A source of soil, totaling up to approximately 500 cubic yards, has been identified as potential import soil for use on Parcel C. Kennedy Jenks Consultants (K/J) collected three soil samples from Source K2 and tested these samples in accordance with the protocol presented in the December 11, 2000 Import Soil Screening Program Plan prepared for Parcel C. This plan has been used as guidance to evaluate import soil from "offsite" sources. The criteria presented in the plan were then compared to the analytical results of the soil samples. The purpose of this technical memorandum is to present a summary of the evaluation of the Source K2 soil and to provide recommendations for use as import for Parcel C.

### LOCATION OF PROPOSED SOURCE K2 IMPORT SOIL

The Source K2 potential import soil comprises approximately 500 cubic yards. Source K2 soil was obtained from stockpiled soil situated at the corner of Wisconsin Avenue and Alameda Street in Los Angeles, California. This soil was excavated as part of the Alameda Corridor Project at South Gate, but the actual property from which the soil originated and the land use of that property is unknown.

## COMPARISON OF ANALYTICAL RESULTS TO IMPORT SOIL GUIDANCE CRITERIA

The laboratory report for the soil samples collected from the subject potential source is presented as Attachment 1. Each sample was tested for metals, and various organic chemicals, including total petroleum hydrocarbons, polynuclear aromatic hydrocarbons, and volatile organic hydrocarbons. A review of the laboratory results indicates that the organic chemical results are within the site-specific import soil evaluation criteria presented in the December 11, 2000 Import Soil Screening Program Plan. A summary of the detected organic compounds and their associated site-specific soil import criteria are presented in Table 1. The remaining organic compounds on the analyte list were not detected, and their detection limits are consistent with the soil import criteria.

**Table 1. Summary of Detected Organic Results and Associated Site-Specific Import Soil Criteria**

| Sample Identification | Chemical | Reported Concentration (mg/kg) | Site-Specific Import Soil Criterion (mg/kg) |
|---|---|---|---|
| SOURCE-K2-041001-1 | Total petroleum hydrocarbons (C18-C39) | 120 | < 10 - 5,000 |
| | Benzo(a)pyrene | 0.037 | < 0.004 - 1.14 |
| | Fluoranthene | 0.054 | < 0.020 - 6,970 |
| | Pyrene | 0.062 | < 0.040 - 2,350 |
| SOURCE-K2-041001-2 | Total petroleum hydrocarbons (C12-C40+) | 350 | < 10 - 5,000 |
| | Benzo(a)anthracene | 0.051 | < 0.016 - 11.4 |
| | Benzo(a)pyrene | 0.066 | < 0.004 - 1.14 |
| | Benzo(k)fluoranthene | 0.030 | < 0.010 - 11.4 |
| | Dibenzo(a,h)anthracene | 0.078 | < 0.040 - 3.35 |
| | Fluoranthene | 0.230 | < 0.020 - 6,970 |
| | Pyrene | 0.140 | < 0.040 - 2,350 |
| SOURCE-K2-041001-3 | Total petroleum hydrocarbons (C12-C40+) | 350 | < 10 - 5,000 |
| | Benzo(a)pyrene | 0.024 | < 0.004 - 1.14 |
| | Dibenzo(a.h)anthracene | 0.069 | < 0.040 - 3.35 |

Several of the metals results are greater than the site-specific criteria, but are within the reported southern California background literature value criteria. Others metals results are greater than the reported southern California background literature value criteria, and are identified in bold in Table 2. A summary of these metals results is presented in Table 2. The remaining metals concentrations on the analyte list are consistent with the import soil criteria.



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**Table 2. Summary of Metals Results Greater Than Site-Specific Import Soil Criteria and Associated Site-Specific and Southern California Import Soil Criteria**

| Sample Identification | Chemical | Reported Concentration (mg/kg) | Site-Specific Import Soil Criterion (mg/kg) | Maximum Regional (Southern California) Background Criterion (mg/kg) |
|---|---|---|---|---|
| SOURCE_K2_041001_1 | Barium | 139 | 135 | 560 |
| | Cadmium | 0.55 | < 0.5 | 1.45 |
| | Copper | 37.5 | 20 | 54 |
| | **Molybdenum** | **3.0** | **< 1** | **1.4** |
| | Lead | 10.6 | 8 | 189.4 |
| | Vanadium | 49.3 | 38 | 84.8 |
| | Zinc | 70.5 | 64 | 247 |
| SOURCE_K2_041001_2 | Barium | 251 | 135 | 560 |
| | Cadmium | 0.86 | < 0.5 | 1.45 |
| | Copper | 44.5 | 20 | 54 |
| | **Molybdenum** | **3.2** | **< 1** | **1.4** |
| | Lead | 13.6 | 8 | 189.4 |
| | Vanadium | 50.1 | 38 | 84.8 |
| | Zinc | 77.2 | 64 | 247 |
| SOURCE_K2_041001_3 | Barium | 137 | 135 | 560 |
| | Cadmium | 0.59 | < 0.5 | 1.45 |
| | Copper | 26.1 | 20 | 54 |
| | **Molybdenum** | **3.3** | **< 1** | **1.4** |
| | Lead | 16.9 | 8 | 189.4 |
| | Vanadium | 47.6 | 38 | 84.8 |
| | Zinc | 71.2 | 64 | 247 |



BOE-C6-0232355

## RECOMMENDATIONS FOR USE AS IMPORT SOIL

It is recommended that the subject approximately 500 cubic yards of soils comprising Source K2 be used as fill soil on Parcel C. The reported soil concentrations for organic compounds are consistent with the site-specific criteria, and those for inorganic chemicals are consistent with the site-specific and/or southern California background criteria, with the exception of molybdenum. Although the land use of the property from which the soil originated is not known, the relatively narrow range of molybdenum concentrations for the samples tested suggest that they are representative of background metals concentrations for the general geographic region from which these soils originated. The reported range of molybdenum results are also consistent with sample results collected from other apparently non-impacted potential soil sources identified in Los Angeles, California during the search for acceptable import soil for Parcel C, and are therefore not considered to be a result of chemical contamination.

Sincerely yours,
HALEY & ALDRICH, INC.

Anita Broughton, CIH
Risk Assessment Task Manager

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PENNSYLVANIA - 1960
ANITA BRENCE BROUGHTON, CIH

Scott Zachary
Project Manager

Attachments:

Appendix A Laboratory Report



BOE-C6-0232356

Appendix A

BOE-C6-0232357

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

TOTAL Metals

**Lot-Sample #...:** E1D100233-006 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:15 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8T1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **20200** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **3.6** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **112** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.61** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.44 B** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **10.1** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **24.3** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **32.6** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-006 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **0.83 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **15.9** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **8.7** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8T1AG |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8T1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.65 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **45.9** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **58.5** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8T1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:13 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |

**Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mercury** | **0.022 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8T1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

TOTAL Metals

**Lot-Sample #...:** E1D100233-007 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 13:45 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8W1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **20400** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.3** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **131** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.60** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.53** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **9.5** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **24.3** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **46.8** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

TOTAL Metals

Lot-Sample #...: E1D100233-007 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **0.93 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **17.4** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **11.2** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.32 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8W1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.77 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **51.0** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **66.7** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8W1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:21 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| **Mercury** | **0.036 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8W1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:12 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

TOTAL Metals

**Lot-Sample #...:** E1D100233-008 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 14:00 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8X1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **30800** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **5.0** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **272** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.94** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **1.3** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **12.7** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **31.8** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **32.2** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-008 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Lead** | **6.6** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8X1AG |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8X1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Molybdenum** | **1.4 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **15.6** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Thallium** | **0.83 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **55.9** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **111** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8X1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:30 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 04/10-04/11/01 | EAM8X1AA |
| | | Dilution Factor: 1 | | Analysis Time..: 16:14 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

TOTAL Metals

Lot-Sample #...: E1D100233-009 Matrix.....: SOLID
Date Sampled...: 04/10/01 07:30 Date Received..: 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| Aluminum | 17000 | 20.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AE |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| Arsenic | 4.1 | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AG |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| Barium | 139 | 2.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AH |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| Beryllium | 0.45 B | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AJ |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| Cadmium | 0.55 | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AK |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| Cobalt | 8.8 | 5.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AL |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| Chromium | 23.4 | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AX |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| Copper | 37.5 | 2.5 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AM |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

TOTAL Metals

Lot-Sample #...: E1D100233-009 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **3.0 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **14.4** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **10.6** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.41 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM811AR |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **1.1** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AU** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **49.3** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **70.5** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM811AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:36 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| **Mercury** | **0.072 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM811A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:16 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

TOTAL Metals

**Lot-Sample #...:** E1D100233-010 **Matrix.....:** SOLID
**Date Sampled...:** 04/10/01 07:35 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM821AV |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **16700** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.9** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **251** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.46 B** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.86** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **8.1** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **24.1** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821A1** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **44.5** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

TOTAL Metals

Lot-Sample #...: E1D100233-010 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **3.2 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM821AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.69 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **50.1** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Nickel** | **16.5** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AT** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **13.6** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.30 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| **Zinc** | **77.2** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM821A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| **Mercury** | **0.051 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM821AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:18 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

TOTAL Metals

**Lot-Sample #...:** E1D100233-011 **Matrix.....:** SOLID
**Date Sampled...:** 04/10/01 07:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM841AV |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **16800** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.4** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **137** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.44 B** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.59** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **8.4** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **23.5** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841A1** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **26.1** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

TOTAL Metals

Lot-Sample #...: E1D100233-011 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **3.3 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **14.4** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AT** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **16.9** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.29 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM841AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.80 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **47.6** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **71.2** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM841A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:53 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| **Mercury** | **0.10** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM841AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:20 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

E1D100233

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 002 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 003 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 004 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 005 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 006 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1107507 | 1108164 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 007 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |

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# QC DATA ASSOCIATION SUMMARY

E1D100233

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 008 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 009 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 010 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |
| 011 | SOLID | SW846 8015B | | 1100431 | 1100215 |
| | SOLID | SW846 8015B | | 1101403 | 1101183 |
| | SOLID | SW846 7471A | | 1100410 | 1100203 |
| | SOLID | SW846 8260B | | 1102355 | 1102147 |
| | SOLID | SW846 6010B | | 1100405 | 1100201 |

## METHOD BLANK REPORT

### GC Semivolatiles

**Client Lot #...:** E1D100233
**MB Lot-Sample #:** E1D100000-431

**Work Order #...:** EANDA1AA

**Matrix.....:** SOLID

**Prep Date.....:** 04/10/01

**Analysis Time..:** 14:51

**Analysis Date..:** 04/12/01
**Dilution Factor:** 1

**Prep Batch #...:** 1100431

**Instrument ID..:** G03

**Analyst ID.....:** 001464

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | SW846 8015B |
| C10-C11 | ND | 10 | mg/kg | SW846 8015B |
| C12-C13 | ND | 10 | mg/kg | SW846 8015B |
| C14-C15 | ND | 10 | mg/kg | SW846 8015B |
| C16-C17 | ND | 10 | mg/kg | SW846 8015B |
| C18-C19 | ND | 10 | mg/kg | SW846 8015B |
| C20-C23 | ND | 10 | mg/kg | SW846 8015B |
| C24-C27 | ND | 10 | mg/kg | SW846 8015B |
| C28-C31 | ND | 10 | mg/kg | SW846 8015B |
| C32-C35 | ND | 10 | mg/kg | SW846 8015B |
| C36-C39 | ND | 10 | mg/kg | SW846 8015B |
| C40+ | ND | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | ND | 10 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 84 | (60 - 130) |

**NOTE(S):**

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

## METHOD BLANK REPORT

### GC Volatiles

**Client Lot #...:** E1D100233
**MB Lot-Sample #:** E1D110000-403
**Analysis Date..:** 04/10/01
**Dilution Factor:** 1

**Work Order #...:** EAPVC1AA
**Prep Date.....:** 04/10/01
**Prep Batch #...:** 1101403
**Analyst ID.....:** 001464

**Matrix.....:** SOLID
**Analysis Time..:** 12:51
**Instrument ID..:** G16

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 93 | (60 - 130) |

**NOTE(S):**

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

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233
**MB Lot-Sample #:** E1D120000-355

**Work Order #...:** EAQ641AA

**Matrix.....:** SOLID

**Prep Date.....:** 04/11/01
**Prep Batch #...:** 1102355

**Analysis Time..:** 08:53
**Instrument ID..:** MSD

**Analysis Date..:** 04/11/01
**Dilution Factor:** 1

**Analyst ID.....:** 999998

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EAQ641AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 89 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 87 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |

**NOTE(S):**

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

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233
**MB Lot-Sample #:** E1D170000-507

**Work Order #...:** EA0EG1AA

**Matrix.....:** SOLID

**Prep Date.....:** 04/17/01
**Analysis Date..:** 04/17/01
**Prep Batch #...:** 1107507

**Analysis Time..:** 11:54
**Instrument ID..:** MSG

**Dilution Factor:** 1

**Analyst ID.....:** 999998

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EA0EG1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 128 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 85 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

**NOTE(S):**

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

## METHOD BLANK REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **MB Lot-Sample #:** E1D100000-405 **Prep Batch #...:** 1100405 | | | | | | |
| Aluminum | ND | 20.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Antimony** | **0.30 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM871AC** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AD |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | ND | 2.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AE |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AF |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AG |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Chromium** | **0.13 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM871AU** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | ND | 5.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AH |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | ND | 2.5 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AJ |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AK |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | ND | 4.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AL |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

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## METHOD BLANK REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Nickel | ND | 4.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AM |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AN |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AP |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AQ |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | ND | 5.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AR |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | ND | 2.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM871AT |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:50 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

**MB Lot-Sample #:** E1D100000-410 **Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 04/10-04/11/01 | EAM9F1AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 15:51 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |

**NOTE(S):**

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

B Estimated result. Result is less than RL.

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Semivolatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EANDA1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D100000-431
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 15:30
**Dilution Factor:** 1 **Instrument ID..:** G03
**Analyst ID.....:** 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **250** | **210** | **mg/kg** | **84** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 81 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EAPVC1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D110000-403
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/10/01
**Prep Batch #...:** 1101403 **Analysis Time..:** 12:22
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **5.00** | **5.62** | **mg/kg** | **112** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 130 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EAQ641AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D120000-355
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 08:22
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **50.0** | **48.6** | **ug/kg** | **97** | **SW846 8260B** |
| **Benzene** | **50.0** | **50.1** | **ug/kg** | **100** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **46.7** | **ug/kg** | **93** | **SW846 8260B** |
| **Toluene** | **50.0** | **44.0** | **ug/kg** | **88** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **46.0** | **ug/kg** | **92** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 89 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EA0EG1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D170000-507
**Prep Date.....:** 04/17/01 **Analysis Date..:** 04/17/01
**Prep Batch #...:** 1107507 **Analysis Time..:** 11:22
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **50.0** | **57.3** | **ug/kg** | **115** | **SW846 8260B** |
| **Benzene** | **50.0** | **45.6** | **ug/kg** | **91** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **57.6** | **ug/kg** | **115** | **SW846 8260B** |
| **Toluene** | **50.0** | **54.0** | **ug/kg** | **108** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **54.4** | **ug/kg** | **109** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 130 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 73 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E1D100000-405 **Prep Batch #...:** 1100405 | | | | | | | |
| Aluminum | 200 | 169 | mg/kg | 85 | SW846 6010B | 04/10-04/11/01 | EAM871AV |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 50.0 | 50.6 | mg/kg | 101 | SW846 6010B | 04/10-04/11/01 | EAM871AW |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 200 | 200 | mg/kg | 100 | SW846 6010B | 04/10-04/11/01 | EAM871AX |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 200 | 201 | mg/kg | 100 | SW846 6010B | 04/10-04/11/01 | EAM871A0 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 5.00 | 5.38 | mg/kg | 108 | SW846 6010B | 04/10-04/11/01 | EAM871A1 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | 5.00 | 5.33 | mg/kg | 107 | SW846 6010B | 04/10-04/11/01 | EAM871A2 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | 50.0 | 55.3 | mg/kg | 111 | SW846 6010B | 04/10-04/11/01 | EAM871A3 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | 25.0 | 24.6 | mg/kg | 98 | SW846 6010B | 04/10-04/11/01 | EAM871A4 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 50.0 | 51.2 | mg/kg | 102 | SW846 6010B | 04/10-04/11/01 | EAM871A5 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | 100 | 105 | mg/kg | 105 | SW846 6010B | 04/10-04/11/01 | EAM871A6 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

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## LABORATORY CONTROL SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Nickel | 50.0 | 52.8 | mg/kg | 106 | SW846 6010B | 04/10-04/11/01 | EAM871A7 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 200 | 195 | mg/kg | 97 | SW846 6010B | 04/10-04/11/01 | EAM871A8 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Silver | 5.00 | 5.16 | mg/kg | 103 | SW846 6010B | 04/10-04/11/01 | EAM871A9 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | 200 | 207 | mg/kg | 104 | SW846 6010B | 04/10-04/11/01 | EAM871CA |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | 50.0 | 51.7 | mg/kg | 103 | SW846 6010B | 04/10-04/11/01 | EAM871CC |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | 50.0 | 52.9 | mg/kg | 106 | SW846 6010B | 04/10-04/11/01 | EAM871CD |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 20.0 | 21.8 | mg/kg | 109 | SW846 6010B | 04/10-04/11/01 | EAM871CE |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:56 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

**LCS Lot-Sample#:** E1D100000-410 **Prep Batch #...:** 1100410

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mercury | 0.833 | 0.820 | mg/kg | 98 | SW846 7471A | 04/10-04/11/01 | EAM9F1AC |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 15:53 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |

**NOTE(S):**

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

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Semivolatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EANDA1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D100000-431
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 15:30
**Dilution Factor:** 1 **Instrument ID..:** G03
**Analyst ID.....:** 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Diesel)** | **84** | **(60 - 130)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 81 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EAPVC1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D110000-403
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/10/01
**Prep Batch #...:** 1101403 **Analysis Time..:** 12:22
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Gasoline)** | **112** | **(80 - 140)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 130 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EAQ641AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D120000-355
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 08:22
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **1,1-Dichloroethene** | **97** | **(60 - 150)** | **SW846 8260B** |
| **Benzene** | **100** | **(70 - 140)** | **SW846 8260B** |
| **Trichloroethene** | **93** | **(70 - 130)** | **SW846 8260B** |
| **Toluene** | **88** | **(70 - 130)** | **SW846 8260B** |
| **Chlorobenzene** | **92** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 89 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1D100233 **Work Order #...:** EA0EG1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1D170000-507
**Prep Date.....:** 04/17/01 **Analysis Date..:** 04/17/01
**Prep Batch #...:** 1107507 **Analysis Time..:** 11:22
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **1,1-Dichloroethene** | **115** | **(60 - 150)** | **SW846 8260B** |
| **Benzene** | **91** | **(70 - 140)** | **SW846 8260B** |
| **Trichloroethene** | **115** | **(70 - 130)** | **SW846 8260B** |
| **Toluene** | **108** | **(70 - 130)** | **SW846 8260B** |
| **Chlorobenzene** | **109** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 130 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 73 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E1D100000-405 **Prep Batch #...:** 1100405 | | | | | |
| Aluminum | 85 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871AV |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 101 | (75 - 115) | SW846 6010B | 04/10-04/11/01 | EAM871AW |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 100 | (75 - 115) | SW846 6010B | 04/10-04/11/01 | EAM871AX |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 100 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A0 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 108 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A1 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | 107 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A2 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | 111 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A3 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | 98 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A4 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 102 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A5 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | 105 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A6 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |

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## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| Nickel | 106 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A7 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 97 | (70 - 115) | SW846 6010B | 04/10-04/11/01 | EAM871A8 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Silver | 103 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871A9 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | 104 | (75 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871CA |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | 103 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871CC |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | 106 | (80 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871CD |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 109 | (85 - 120) | SW846 6010B | 04/10-04/11/01 | EAM871CE |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:56 | Analyst ID.....: 003119 | Instrument ID..: M01 | |

**LCS Lot-Sample#:** E1D100000-410 **Prep Batch #...:** 1100410

| | | | | | |
|---|---|---|---|---|---|
| Mercury | 98 | (85 - 115) | SW846 7471A | 04/10-04/11/01 | EAM9F1AC |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 15:53 | Analyst ID.....: 021088 | Instrument ID..: M04 | |

**NOTE(S):**

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

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAG401A2-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D050321-007 | | EAG401A3-MSD | | |
| **Date Sampled...:** | 04/05/01 10:30 | **Date Received..:** | 04/05/01 17:25 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/11/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 00:52 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **ND** | **5.00** | **5.00** | **mg/kg** | **100** | | **SW846 8015B** |
| | **ND** | **5.00** | **4.41** | **mg/kg** | **88** | **13** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 121 | (60 - 130) |
| | 119 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAJN51AC-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D060282-018 | | EAJN51AD-MSD | | |
| **Date Sampled...:** | 04/05/01 11:20 | **Date Received..:** | 04/06/01 15:00 | **MS Run #.....:** | 1102147 |
| **Prep Date.....:** | 04/11/01 | **Analysis Date..:** | 04/11/01 | | |
| **Prep Batch #...:** | 1102355 | **Analysis Time..:** | 12:27 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSD |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **ND** | **50.0** | **52.1** | **ug/kg** | **104** | | **SW846 8260B** |
| | **ND** | **50.0** | **52.6** | **ug/kg** | **105** | **0.91** | **SW846 8260B** |
| **Benzene** | **ND** | **50.0** | **48.8** | **ug/kg** | **98** | | **SW846 8260B** |
| | **ND** | **50.0** | **51.5** | **ug/kg** | **103** | **5.4** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **50.0** | **48.6** | **ug/kg** | **97** | | **SW846 8260B** |
| | **ND** | **50.0** | **49.0** | **ug/kg** | **98** | **0.73** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **45.1** | **ug/kg** | **90** | | **SW846 8260B** |
| | **ND** | **50.0** | **44.4** | **ug/kg** | **89** | **1.6** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **46.3** | **ug/kg** | **93** | | **SW846 8260B** |
| | **ND** | **50.0** | **45.2** | **ug/kg** | **90** | **2.2** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 76 | (70 - 130) |
| | 75 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 75 | (60 - 140) |
| | 80 | (60 - 140) |
| Toluene-d8 | 82 | (70 - 130) |
| | 81 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E1D100233-001 **Prep Batch #...:** 1100405 | | | | | | | | | | |
| Aluminum | | | | | | | | | | |
| | 24300 | 200 | 27700 | NC | mg/kg | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A1 |
| | 24300 | 200 | 28300 | NC | mg/kg | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A2 |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |
| Antimony | | | | | | | | | | |
| | 0.54 | 50.0 | 22.2 | N | mg/kg | 43 | | SW846 6010B | 04/10-04/11/01 | EAM8H1A3 |
| | 0.54 | 50.0 | 24.2 | N | mg/kg | 47 | 8.6 | SW846 6010B | 04/10-04/11/01 | EAM8H1A4 |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |
| Arsenic | | | | | | | | | | |
| | 3.6 | 200 | 182 | | mg/kg | 89 | | SW846 6010B | 04/10-04/11/01 | EAM8H1A5 |
| | 3.6 | 200 | 184 | | mg/kg | 90 | 1.1 | SW846 6010B | 04/10-04/11/01 | EAM8H1A6 |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |
| Barium | | | | | | | | | | |
| | 151 | 200 | 359 | | mg/kg | 104 | | SW846 6010B | 04/10-04/11/01 | EAM8H1A7 |
| | 151 | 200 | 350 | | mg/kg | 100 | 2.6 | SW846 6010B | 04/10-04/11/01 | EAM8H1A8 |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |
| Beryllium | | | | | | | | | | |
| | 0.63 | 5.00 | 5.60 | | mg/kg | 100 | | SW846 6010B | 04/10-04/11/01 | EAM8H1A9 |
| | 0.63 | 5.00 | 5.73 | | mg/kg | 102 | 2.2 | SW846 6010B | 04/10-04/11/01 | EAM8H1CA |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |
| Cadmium | | | | | | | | | | |
| | 0.63 | 5.00 | 5.34 | | mg/kg | 94 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CC |
| | 0.63 | 5.00 | 5.43 | | mg/kg | 96 | 1.7 | SW846 6010B | 04/10-04/11/01 | EAM8H1CD |
| | | | Dilution Factor: 1 | | | | | | | |
| | | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 1100201 | | | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Chromium | | | | | | | | | |
| | 27.1 | 20.0 | 49.5 | mg/kg | 112 | | SW846 6010B | 04/10-04/11/01 | EAM8H1C3 |
| | 27.1 | 20.0 | 50.2 | mg/kg | 116 | 1.4 | SW846 6010B | 04/10-04/11/01 | EAM8H1C4 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Cobalt | | | | | | | | | |
| | 9.9 | 50.0 | 59.6 | mg/kg | 100 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CE |
| | 9.9 | 50.0 | 59.8 | mg/kg | 100 | 0.29 | SW846 6010B | 04/10-04/11/01 | EAM8H1CF |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Copper | | | | | | | | | |
| | 38.4 | 25.0 | 61.8 | mg/kg | 94 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CG |
| | 38.4 | 25.0 | 56.3 N | mg/kg | 72 | 9.3 | SW846 6010B | 04/10-04/11/01 | EAM8H1CH |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Lead | | | | | | | | | |
| | 6.1 | 50.0 | 53.0 | mg/kg | 94 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CJ |
| | 6.1 | 50.0 | 53.3 | mg/kg | 94 | 0.48 | SW846 6010B | 04/10-04/11/01 | EAM8H1CK |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Molybdenum | | | | | | | | | |
| | 1.2 | 100 | 90.3 | mg/kg | 89 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CL |
| | 1.2 | 100 | 91.8 | mg/kg | 91 | 1.7 | SW846 6010B | 04/10-04/11/01 | EAM8H1CM |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Nickel | | | | | | | | | |
| | 18.6 | 50.0 | 68.4 | mg/kg | 100 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CN |
| | 18.6 | 50.0 | 69.5 | mg/kg | 102 | 1.6 | SW846 6010B | 04/10-04/11/01 | EAM8H1CP |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Selenium | | | | | | | | | |
| | ND | 200 | 174 | mg/kg | 87 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CQ |
| | ND | 200 | 177 | mg/kg | 89 | 2.0 | SW846 6010B | 04/10-04/11/01 | EAM8H1CR |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Silver | | | | | | | | | |
| | ND | 5.00 | 4.63 | mg/kg | 93 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CT |
| | ND | 5.00 | 4.72 | mg/kg | 94 | 1.8 | SW846 6010B | 04/10-04/11/01 | EAM8H1CU |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Thallium | | | | | | | | | |
| | 0.69 | 200 | 190 | mg/kg | 95 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CV |
| | 0.69 | 200 | 194 | mg/kg | 97 | 1.9 | SW846 6010B | 04/10-04/11/01 | EAM8H1CW |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Vanadium | | | | | | | | | |
| | 56.4 | 50.0 | 108 | mg/kg | 104 | | SW846 6010B | 04/10-04/11/01 | EAM8H1CX |
| | 56.4 | 50.0 | 109 | mg/kg | 106 | 0.83 | SW846 6010B | 04/10-04/11/01 | EAM8H1C0 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |
| Zinc | | | | | | | | | |
| | 63.9 | 50.0 | 119 | mg/kg | 110 | | SW846 6010B | 04/10-04/11/01 | EAM8H1C1 |
| | 63.9 | 50.0 | 115 | mg/kg | 102 | 3.4 | SW846 6010B | 04/10-04/11/01 | EAM8H1C2 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:17 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 1100201 | | | | | |

**MS Lot-Sample #:** E1D100233-001 **Prep Batch #...:** 1100410

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | | | | | | | | | |
| | 0.026 | 0.167 | 0.200 | mg/kg | 104 | | SW846 7471A | 04/10-04/11/01 | EAM8H1C5 |
| | 0.026 | 0.167 | 0.200 | mg/kg | 104 | 0.0 | SW846 7471A | 04/10-04/11/01 | EAM8H1C6 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 15:56 | | Instrument ID..: M04 | | Analyst ID.....: 021088 | |
| | | | | MS Run #.....: 1100203 | | | | | |

**NOTE(S):**

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAM8H1C7-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D100233-001 | | EAM8H1C8-MSD | | |
| **Date Sampled...:** | 04/09/01 08:40 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 16:48 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Diesel)** | **ND** | **250** | **184** | **mg/kg** | **73** | | **SW846 8015B** |
| | **ND** | **250** | **195** | **mg/kg** | **78** | **6.3** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 82 | (60 - 130) |
| | 93 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAM8T1A1-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D100233-006 | | EAM8T1A2-MSD | | |
| **Date Sampled...:** | 04/09/01 09:15 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1108164 |
| **Prep Date.....:** | 04/17/01 | **Analysis Date..:** | 04/17/01 | | |
| **Prep Batch #...:** | 1107507 | **Analysis Time..:** | 15:09 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **ND** | **50.0** | **52.3** | **ug/kg** | **105** | | **SW846 8260B** |
| | **ND** | **50.0** | **45.7** | **ug/kg** | **91** | **13** | **SW846 8260B** |
| **Benzene** | **ND** | **50.0** | **52.4** | **ug/kg** | **105** | | **SW846 8260B** |
| | **ND** | **50.0** | **44.1** | **ug/kg** | **88** | **17** | **SW846 8260B** |
| **Trichloroethene** | **4.0** | **50.0** | **55.4** | **ug/kg** | **103** | | **SW846 8260B** |
| | **4.0** | **50.0** | **45.6** | **ug/kg** | **83** | **20** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **50.3** | **ug/kg** | **101** | | **SW846 8260B** |
| | **ND** | **50.0** | **39.6** | **ug/kg** | **79** | **24** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **49.5** | **ug/kg** | **99** | | **SW846 8260B** |
| | **ND** | **50.0** | **38.6** | **ug/kg** | **77** | **25** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 116 | (70 - 130) |
| | 119 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 83 | (60 - 140) |
| | 89 | (60 - 140) |
| Toluene-d8 | 94 | (70 - 130) |
| | 93 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAG401A2-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D050321-007 | | EAG401A3-MSD | | |
| **Date Sampled...:** | 04/05/01 10:30 | **Date Received..:** | 04/05/01 17:25 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/11/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 00:52 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **100** | **(80 - 140)** | | | **SW846 8015B** |
| | **88** | **(80 - 140)** | **13** | **(0-40)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 121 | (60 - 130) |
| | 119 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAJN51AC-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D060282-018 | | EAJN51AD-MSD | | |
| **Date Sampled...:** | 04/05/01 11:20 | **Date Received..:** | 04/06/01 15:00 | **MS Run #.....:** | 1102147 |
| **Prep Date.....:** | 04/11/01 | **Analysis Date..:** | 04/11/01 | | |
| **Prep Batch #...:** | 1102355 | **Analysis Time..:** | 12:27 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSD |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **104** | **(60 - 150)** | | | **SW846 8260B** |
| | **105** | **(60 - 150)** | **0.91** | **(0-30)** | **SW846 8260B** |
| **Benzene** | **98** | **(70 - 140)** | | | **SW846 8260B** |
| | **103** | **(70 - 140)** | **5.4** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **97** | **(70 - 130)** | | | **SW846 8260B** |
| | **98** | **(70 - 130)** | **0.73** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **90** | **(70 - 130)** | | | **SW846 8260B** |
| | **89** | **(70 - 130)** | **1.6** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **93** | **(70 - 130)** | | | **SW846 8260B** |
| | **90** | **(70 - 130)** | **2.2** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 76 | (70 - 130) |
| | 75 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 75 | (60 - 140) |
| | 80 | (60 - 140) |
| Toluene-d8 | 82 | (70 - 130) |
| | 81 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E1D100233-001 **Prep Batch #...:** 1100405 | | | | | | | |
| Aluminum | NC | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A1 |
| | NC | (80 - 120) | | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1A2 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Antimony | 43 N | (75 - 115) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A3 |
| | 47 N | (75 - 115) | 8.6 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1A4 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Arsenic | 89 | (75 - 115) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A5 |
| | 90 | (75 - 115) | 1.1 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1A6 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Barium | 104 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A7 |
| | 100 | (80 - 120) | 2.6 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1A8 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Beryllium | 100 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1A9 |
| | 102 | (80 - 120) | 2.2 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CA |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Cadmium | 94 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CC |
| | 96 | (80 - 120) | 1.7 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CD |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Chromium | 112 | (85 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1C3 |
| | 116 | (85 - 120) | 1.4 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1C4 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |

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## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Cobalt | 100 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CE |
| | 100 | (80 - 120) | 0.29 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CF |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Copper | 94 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CG |
| | 72 N | (80 - 120) | 9.3 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CH |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Lead | 94 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CJ |
| | 94 | (80 - 120) | 0.48 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CK |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Molybdenum | 89 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CL |
| | 91 | (80 - 120) | 1.7 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CM |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Nickel | 100 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CN |
| | 102 | (80 - 120) | 1.6 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CP |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Selenium | 87 | (70 - 115) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CQ |
| | 89 | (70 - 115) | 2.0 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CR |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Silver | 93 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CT |
| | 94 | (80 - 120) | 1.8 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CU |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |
| Thallium | 95 | (75 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CV |
| | 97 | (75 - 120) | 1.9 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1CW |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 15:17 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 1100201 | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E1D100233 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Vanadium | 104 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1CX |
| | 106 | (80 - 120) | 0.83 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1C0 |

Dilution Factor: 1
Analysis Time..: 15:17 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1100201

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Zinc | 110 | (80 - 120) | | | SW846 6010B | 04/10-04/11/01 | EAM8H1C1 |
| | 102 | (80 - 120) | 3.4 | (0-25) | SW846 6010B | 04/10-04/11/01 | EAM8H1C2 |

Dilution Factor: 1
Analysis Time..: 15:17 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1100201

**MS Lot-Sample #:** E1D100233-001 **Prep Batch #...:** 1100410

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mercury | 104 | (80 - 120) | | | SW846 7471A | 04/10-04/11/01 | EAM8H1C5 |
| | 104 | (80 - 120) | 0.0 | (0-20) | SW846 7471A | 04/10-04/11/01 | EAM8H1C6 |

Dilution Factor: 1
Analysis Time..: 15:56 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1100203

**NOTE(S):**

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAM8H1C7-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D100233-001 | | EAM8H1C8-MSD | | |
| **Date Sampled...:** | 04/09/01 08:40 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 16:48 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **73** | **(60 - 130)** | | | **SW846 8015B** |
| | **78** | **(60 - 130)** | **6.3** | **(0-35)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 82 | (60 - 130) |
| | 93 | (60 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1D100233 | **Work Order #...:** | EAM8T1A1-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1D100233-006 | | EAM8T1A2-MSD | | |
| **Date Sampled...:** | 04/09/01 09:15 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1108164 |
| **Prep Date.....:** | 04/17/01 | **Analysis Date..:** | 04/17/01 | | |
| **Prep Batch #...:** | 1107507 | **Analysis Time..:** | 15:09 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **105** | **(60 - 150)** | | | **SW846 8260B** |
| | **91** | **(60 - 150)** | **13** | **(0-30)** | **SW846 8260B** |
| **Benzene** | **105** | **(70 - 140)** | | | **SW846 8260B** |
| | **88** | **(70 - 140)** | **17** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **103** | **(70 - 130)** | | | **SW846 8260B** |
| | **83** | **(70 - 130)** | **20** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **101** | **(70 - 130)** | | | **SW846 8260B** |
| | **79** | **(70 - 130)** | **24** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **99** | **(70 - 130)** | | | **SW846 8260B** |
| | **77** | **(70 - 130)** | **25** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 116 | (70 - 130) |
| | 119 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 83 | (60 - 140) |
| | 89 | (60 - 140) |
| Toluene-d8 | 94 | (70 - 130) |
| | 93 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

# Subcontracted Analysis



BOE-C6-0232406

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# LABORATORY REPORT

Prepared For: STL Los Angeles
1721 S. Grand Avenue
Santa Ana, CA 92705

Attention: Diane Suzuki
Project: EID100233

Sampled: 04/10/01
Received: 04/10/01
Revised: 04/17/01

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CA ELAP Certificate #1169
AZ DHS License #AZ0062

**Del Mar Analytical, Colton**
Clifton J. Kiser
Project Manager

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STL Los Angeles
1721 S. Grand Avenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: EID100233

Report Number: CKD0112

Sampled:04/10/01
Received:04/10/01

# POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| | | | ug/kg | ug/kg | | | | |
| **Sample ID: CKD0112-01 (SOURCE-K2-041001-1 - Soil)** | | | | | | | | |
| Acenaphthene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Acenaphthylene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Anthracene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(a)anthracene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Benzo(a)pyrene** | EPA 8310 | C1D1109 | 20 | **37** | 10 | 4/11/01 | 4/12/01 | |
| Benzo(b)fluoranthene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(g,h,i)perylene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(k)fluoranthene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| Chrysene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Dibenzo(a,h)anthracene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Fluoranthene** | EPA 8310 | C1D1109 | 50 | **54** | 10 | 4/11/01 | 4/12/01 | |
| Fluorene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Indeno(1,2,3-cd)pyrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Naphthalene | EPA 8310 | C1D1109 | 200 | ND | 10 | 4/11/01 | 4/12/01 | |
| Phenanthrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| *Surrogate: 2-Methylanthracene (35-115%)* | | | | *174 %* | | | | *ZX* |
| **Sample ID: CKD0112-01RE1 (SOURCE-K2-041001-1 - Soil)** | | | | | | | | |
| **Pyrene** | EPA 8310 | C1D1109 | 50 | **62** | 10 | 4/11/01 | 4/12/01 | |
| **Sample ID: CKD0112-02 (SOURCE-K2-041001-2 - Soil)** | | | | | | | | |
| Acenaphthene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Acenaphthylene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Anthracene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Benzo(a)anthracene** | EPA 8310 | C1D1109 | 20 | **51** | 10 | 4/11/01 | 4/12/01 | |
| **Benzo(a)pyrene** | EPA 8310 | C1D1109 | 20 | **66** | 10 | 4/11/01 | 4/12/01 | |
| Benzo(b)fluoranthene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(g,h,i)perylene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Benzo(k)fluoranthene** | EPA 8310 | C1D1109 | 20 | **30** | 10 | 4/11/01 | 4/12/01 | |
| Chrysene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Dibenzo(a,h)anthracene** | EPA 8310 | C1D1109 | 50 | **78** | 10 | 4/11/01 | 4/12/01 | |
| **Fluoranthene** | EPA 8310 | C1D1109 | 50 | **230** | 10 | 4/11/01 | 4/12/01 | |
| Fluorene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Indeno(1,2,3-cd)pyrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Naphthalene | EPA 8310 | C1D1109 | 200 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Phenanthrene** | EPA 8310 | C1D1109 | 50 | **97** | 10 | 4/11/01 | 4/12/01 | |
| *Surrogate: 2-Methylanthracene (35-115%)* | | | | *274 %* | | | | *ZX* |

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Clifton J. Kiser
Project Manager

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STL Los Angeles
1721 S. Grand Avenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: EID100233

Report Number: CKD0112

Sampled:04/10/01
Received:04/10/01

# POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| | | | ug/kg | ug/kg | | | | |
| **Sample ID: CKD0112-02RE1 (SOURCE-K2-041001-2 - Soil)** | | | | | | | | |
| **Pyrene** | EPA 8310 | C1D1109 | 50 | **140** | 10 | 4/11/01 | 4/13/01 | |
| **Sample ID: CKD0112-03 (SOURCE-K2-041001-3 - Soil)** | | | | | | | | |
| Acenaphthene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Acenaphthylene | EPA 8310 | C1D1109 | 500 | ND | 10 | 4/11/01 | 4/12/01 | |
| Anthracene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(a)anthracene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Benzo(a)pyrene** | EPA 8310 | C1D1109 | 20 | **24** | 10 | 4/11/01 | 4/12/01 | |
| Benzo(b)fluoranthene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(g,h,i)perylene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Benzo(k)fluoranthene | EPA 8310 | C1D1109 | 20 | ND | 10 | 4/11/01 | 4/12/01 | |
| Chrysene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| **Dibenzo(a,h)anthracene** | EPA 8310 | C1D1109 | 50 | **69** | 10 | 4/11/01 | 4/12/01 | |
| Fluoranthene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Fluorene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Indeno(1,2,3-cd)pyrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| Naphthalene | EPA 8310 | C1D1109 | 200 | ND | 10 | 4/11/01 | 4/12/01 | |
| Phenanthrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/12/01 | |
| *Surrogate: 2-Methylanthracene (35-115%)* | | | | *180 %* | | | | *ZX* |
| **Sample ID: CKD0112-03RE1 (SOURCE-K2-041001-3 - Soil)** | | | | | | | | |
| Pyrene | EPA 8310 | C1D1109 | 50 | ND | 10 | 4/11/01 | 4/13/01 | |

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1721 S. Grand Avenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: EID100233

Report Number: CKD0112

Sampled:04/10/01
Received:04/10/01

## METHOD BLANK/QC DATA

# POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: C1D1109 Extracted: 04/11/01** | | | | | | | | | | |
| **Blank Analyzed: 04/11/01 (C1D1109-BLK1)** | | | | | | | | | | |
| Acenaphthene | ND | 50 | ug/kg | | | | | | | |
| Acenaphthylene | ND | 50 | ug/kg | | | | | | | |
| Anthracene | ND | 2.0 | ug/kg | | | | | | | |
| Benzo(a)anthracene | ND | 2.0 | ug/kg | | | | | | | |
| Benzo(a)pyrene | ND | 2.0 | ug/kg | | | | | | | |
| Benzo(b)fluoranthene | ND | 5.0 | ug/kg | | | | | | | |
| Benzo(g,h,i)perylene | ND | 5.0 | ug/kg | | | | | | | |
| Benzo(k)fluoranthene | ND | 2.0 | ug/kg | | | | | | | |
| Chrysene | ND | 5.0 | ug/kg | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 5.0 | ug/kg | | | | | | | |
| Fluoranthene | ND | 5.0 | ug/kg | | | | | | | |
| Fluorene | ND | 5.0 | ug/kg | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 5.0 | ug/kg | | | | | | | |
| Naphthalene | ND | 20 | ug/kg | | | | | | | |
| Phenanthrene | ND | 5.0 | ug/kg | | | | | | | |
| Pyrene | ND | 5.0 | ug/kg | | | | | | | |
| *Surrogate: 2-Methylanthracene* | *7.05* | | *ug/kg* | *8.00* | | *88.1* | *35-115* | | | |
| **LCS Analyzed: 04/11/01 (C1D1109-BS1)** | | | | | | | | | | |
| Acenaphthene | 69.9 | 50 | ug/kg | 80.0 | | 87.4 | 45-115 | | | |
| Acenaphthylene | 159 | 50 | ug/kg | 160 | | 99.4 | 50-115 | | | |
| Anthracene | 7.22 | 2.0 | ug/kg | 8.00 | | 90.2 | 55-115 | | | |
| Benzo(a)anthracene | 8.74 | 2.0 | ug/kg | 8.00 | | 109 | 65-115 | | | |
| Benzo(a)pyrene | 8.05 | 2.0 | ug/kg | 8.00 | | 101 | 55-115 | | | |
| Benzo(b)fluoranthene | 15.8 | 5.0 | ug/kg | 16.0 | | 98.8 | 65-115 | | | |
| Benzo(g,h,i)perylene | 18.0 | 5.0 | ug/kg | 16.0 | | 113 | 60-115 | | | |
| Benzo(k)fluoranthene | 7.49 | 2.0 | ug/kg | 8.00 | | 93.6 | 65-115 | | | |
| Chrysene | 7.99 | 5.0 | ug/kg | 8.00 | | 99.9 | 65-115 | | | |
| Dibenzo(a,h)anthracene | 15.9 | 5.0 | ug/kg | 16.0 | | 99.4 | 60-115 | | | |
| Fluoranthene | 15.4 | 5.0 | ug/kg | 16.0 | | 96.2 | 65-115 | | | |
| Fluorene | 15.1 | 5.0 | ug/kg | 16.0 | | 94.4 | 55-115 | | | |
| Indeno(1,2,3-cd)pyrene | 7.95 | 5.0 | ug/kg | 8.00 | | 99.4 | 55-115 | | | |
| Naphthalene | 74.9 | 20 | ug/kg | 80.0 | | 93.6 | 45-115 | | | |
| Phenanthrene | 7.50 | 5.0 | ug/kg | 8.00 | | 93.8 | 55-120 | | | |
| Pyrene | 9.17 | 5.0 | ug/kg | 8.00 | | 115 | 55-115 | | | |

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Clifton J. Kiser
Project Manager

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STL Los Angeles
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Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: EID100233

Report Number: CKD0112

Sampled:04/10/01
Received:04/10/01

## METHOD BLANK/QC DATA

# POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: C1D1109 Extracted: 04/11/01** | | | | | | | | | | |
| **LCS Analyzed: 04/11/01 (C1D1109-BS1)** | | | | | | | | | | |
| *Surrogate: 2-Methylanthracene* | *7.31* | | *ug/kg* | *8.00* | | *91.4* | *35-115* | | | |
| **Matrix Spike Analyzed: 04/12/01 (C1D1109-MS1)** | | | | | **Source: CKD0113-13** | | | | | |
| Acenaphthene | 59.9 | 50 | ug/kg | 80.0 | ND | 74.9 | 40-115 | | | |
| Acenaphthylene | 128 | 50 | ug/kg | 160 | ND | 80.0 | 35-130 | | | |
| Anthracene | 5.76 | 2.0 | ug/kg | 8.00 | ND | 72.0 | 40-115 | | | |
| Benzo(a)anthracene | 7.37 | 2.0 | ug/kg | 8.00 | ND | 68.4 | 45-130 | | | |
| Benzo(a)pyrene | 7.15 | 2.0 | ug/kg | 8.00 | 2.3 | 60.6 | 50-115 | | | |
| Benzo(b)fluoranthene | 11.8 | 5.0 | ug/kg | 16.0 | 6.1 | 35.6 | 40-130 | | | *MX* |
| Benzo(g,h,i)perylene | 9.36 | 5.0 | ug/kg | 16.0 | ND | 37.9 | 45-115 | | | *MX* |
| Benzo(k)fluoranthene | 5.60 | 2.0 | ug/kg | 8.00 | ND | 64.4 | 40-125 | | | |
| Chrysene | 5.25 | 5.0 | ug/kg | 8.00 | ND | 33.1 | 45-125 | | | *MX* |
| Dibenzo(a,h)anthracene | 7.81 | 5.0 | ug/kg | 16.0 | 6.9 | 5.69 | 25-130 | | | *MX* |
| Fluoranthene | 15.5 | 5.0 | ug/kg | 16.0 | ND | 81.3 | 50-135 | | | |
| Fluorene | 14.0 | 5.0 | ug/kg | 16.0 | ND | 87.5 | 35-120 | | | |
| Indeno(1,2,3-cd)pyrene | 8.14 | 5.0 | ug/kg | 8.00 | 5.6 | 31.8 | 40-120 | | | |
| Naphthalene | 59.8 | 20 | ug/kg | 80.0 | ND | 74.7 | 30-115 | | | |
| Phenanthrene | 7.38 | 5.0 | ug/kg | 8.00 | ND | 92.3 | 30-160 | | | |
| Pyrene | 8.60 | 5.0 | ug/kg | 8.00 | ND | 85.0 | 20-165 | | | |
| *Surrogate: 2-Methylanthracene* | *5.72* | | *ug/kg* | *8.00* | | *71.5* | *35-115* | | | |
| **Matrix Spike Dup Analyzed: 04/12/01 (C1D1109-MSD1)** | | | | | **Source: CKD0113-13** | | | | | |
| Acenaphthene | 58.1 | 50 | ug/kg | 80.0 | ND | 72.6 | 40-115 | 3.05 | 25 | |
| Acenaphthylene | 102 | 50 | ug/kg | 160 | ND | 63.8 | 35-130 | 22.6 | 25 | |
| Anthracene | 5.07 | 2.0 | ug/kg | 8.00 | ND | 63.4 | 40-115 | 12.7 | 25 | |
| Benzo(a)anthracene | 6.70 | 2.0 | ug/kg | 8.00 | ND | 60.0 | 45-130 | 9.52 | 20 | |
| Benzo(a)pyrene | 6.66 | 2.0 | ug/kg | 8.00 | 2.3 | 54.5 | 50-115 | 7.10 | 20 | |
| Benzo(b)fluoranthene | 13.0 | 5.0 | ug/kg | 16.0 | 6.1 | 43.1 | 40-130 | 9.68 | 25 | |
| Benzo(g,h,i)perylene | 13.1 | 5.0 | ug/kg | 16.0 | ND | 61.3 | 45-115 | 33.3 | 20 | *R3* |
| Benzo(k)fluoranthene | 5.65 | 2.0 | ug/kg | 8.00 | ND | 65.0 | 40-125 | 0.889 | 25 | |
| Chrysene | 5.72 | 5.0 | ug/kg | 8.00 | ND | 39.0 | 45-125 | 8.57 | 30 | *MX* |
| Dibenzo(a,h)anthracene | 10.9 | 5.0 | ug/kg | 16.0 | 6.9 | 25.0 | 25-130 | 33.0 | 30 | *R3* |
| Fluoranthene | 12.3 | 5.0 | ug/kg | 16.0 | ND | 61.3 | 50-135 | 23.0 | 25 | |
| Fluorene | 9.68 | 5.0 | ug/kg | 16.0 | ND | 60.5 | 35-120 | 36.5 | 20 | *R3* |
| Indeno(1,2,3-cd)pyrene | 8.50 | 5.0 | ug/kg | 8.00 | 5.6 | 36.3 | 40-120 | 4.33 | 20 | *MX* |

**Del Mar Analytical, Colton**
Clifton J. Kiser
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

STL Los Angeles
1721 S. Grand Avenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: EID100233

Report Number: CKD0112

Sampled:04/10/01
Received:04/10/01

## METHOD BLANK/QC DATA

# POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: C1D1109 Extracted: 04/11/01** | | | | | | | | | | |
| **Matrix Spike Dup Analyzed: 04/12/01 (C1D1109-MSD1)** | | | | | **Source: CKD0113-13** | | | | | |
| Naphthalene | 40.7 | 20 | ug/kg | 80.0 | ND | 50.9 | 30-115 | 38.0 | 25 | *R3* |
| Phenanthrene | ND | 5.0 | ug/kg | 8.00 | ND | 59.6 | 30-160 | 43.0 | 30 | *R3* |
| Pyrene | 6.70 | 5.0 | ug/kg | 8.00 | ND | 61.2 | 20-165 | 24.8 | 20 | *R3* |
| *Surrogate: 2-Methylanthracene* | *5.16* | | *ug/kg* | *8.00* | | *64.5* | *35-115* | | | |

**Del Mar Analytical, Colton**
Clifton J. Kiser
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

| | | |
|---|---|---|
| STL Los Angeles<br>1721 S. Grand Avenue<br>Santa Ana, CA 92705<br>Attention: Diane Suzuki | Client Project ID: EID100233<br><br>Report Number: CKD0112 | Sampled:04/10/01<br>Received:04/10/01 |

# DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **MX** | The MS and/or MSD were outside of the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |
| **R3** | The RPD exceeded the method control limit due to sample matrix effects. |
| **ZX** | Due to sample matrix effects, the surrogate recovery was outside the acceptance limits. |
| **ND** | Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified. |
| **NR** | Not reported. |
| **RPD** | Relative Percent Difference |

**Del Mar Analytical, Colton**
Clifton J. Kiser
Project Manager

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-006 **Work Order #...:** EAM8T1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **1,2,4-Trimethylbenzene** | **2.7 J** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 123 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 81 | (60 - 140) |
| Toluene-d8 | 94 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-007 | **Work Order #...:** | EAM8W1AD | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 13:45 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 22:38 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| **C12-C13** | **66** | **10** | **mg/kg** | **5.0** |
| **C14-C15** | **99** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **64** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **43** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **23** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **15** | **10** | **mg/kg** | **5.0** |
| **C28-C31** | **15** | **10** | **mg/kg** | **5.0** |
| **C32-C35** | **17** | **10** | **mg/kg** | **5.0** |
| **C36-C39** | **12** | **10** | **mg/kg** | **5.0** |
| **C40+** | **5.9 J** | **10** | **mg/kg** | **5.0** |
| **Total Carbon Chain Range** | **360** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 101 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

GC Volatiles

**Lot-Sample #...:** E1D100233-007 **Work Order #...:** EAM8W1AE **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 13:45 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1101183
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/10/01
**Prep Batch #...:** 1101403 **Analysis Time..:** 22:30
**Dilution Factor:** 1
**Analyst ID.....:** 001464 **Instrument ID..:** G16
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-007 **Work Order #...:** EAM8W1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 13:45 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 15:32
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| **Acetone** | **22 J** | **25** | **ug/kg** | **15** |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **3.4 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-007 **Work Order #...:** EAM8W1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| **Ethylbenzene** | **48** | **5.0** | **ug/kg** | **2.0** |
| **Xylenes (total)** | **13** | **5.0** | **ug/kg** | **3.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| **Isopropylbenzene** | **9.5** | **5.0** | **ug/kg** | **2.0** |
| **p-Isopropyltoluene** | **17** | **5.0** | **ug/kg** | **2.0** |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **n-Propylbenzene** | **53** | **5.0** | **ug/kg** | **2.0** |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| **1,3,5-Trimethylbenzene** | **4.7 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **1,2,4-Trimethylbenzene** | **18** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **12** | **5.0** | **ug/kg** | **2.0** |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| **n-Butylbenzene** | **54** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 87 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 75 | (60 - 140) |
| Toluene-d8 | 81 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

GC Semivolatiles

**Lot-Sample #...:** E1D100233-008 **Work Order #...:** EAM8X1AD **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 14:00 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 23:16
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 70 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-008 | **Work Order #...:** | EAM8X1AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 14:00 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 22:59 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-008 **Work Order #...:** EAM8X1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 14:00 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 15:01
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_N_15_040901_2

GC/MS Volatiles

Lot-Sample #...: E1D100233-008 Work Order #...: EAM8X1AC Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 75 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 81 | (60 - 140) |
| Toluene-d8 | 78 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-009 | **Work Order #...:** | EAM811AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:30 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 12:53 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| **C18-C19** | **9.6 J** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **13** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **20** | **10** | **mg/kg** | **5.0** |
| **C28-C31** | **23** | **10** | **mg/kg** | **5.0** |
| **C32-C35** | **21** | **10** | **mg/kg** | **5.0** |
| **C36-C39** | **20** | **10** | **mg/kg** | **5.0** |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **120** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 97 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-009 | **Work Order #...:** | EAM811AD | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:30 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 23:27 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 71 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-009 **Work Order #...:** EAM811AA **Matrix.....:** SOLID
**Date Sampled...:** 04/10/01 07:30 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 14:30
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-009 **Work Order #...:** EAM811AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 77 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 74 | (60 - 140) |
| Toluene-d8 | 78 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-010 | **Work Order #...:** | EAM821AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:35 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 13:32 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| **C12-C13** | **8.8 J** | **10** | **mg/kg** | **5.0** |
| **C14-C15** | **18** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **29** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **38** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **36** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **39** | **10** | **mg/kg** | **5.0** |
| **C28-C31** | **43** | **10** | **mg/kg** | **5.0** |
| **C32-C35** | **40** | **10** | **mg/kg** | **5.0** |
| **C36-C39** | **47** | **10** | **mg/kg** | **5.0** |
| **C40+** | **46** | **10** | **mg/kg** | **5.0** |
| **Total Carbon Chain Range** | **350** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 74 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-010 | **Work Order #...:** | EAM821AF | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:35 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 23:55 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-010 **Work Order #...:** EAM821AD **Matrix.....:** SOLID
**Date Sampled...:** 04/10/01 07:35 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 14:00
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-010 **Work Order #...:** EAM821AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 77 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 80 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-011 | **Work Order #...:** | EAM841AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:40 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/12/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 14:11 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| **C12-C13** | **5.7 J** | **10** | **mg/kg** | **5.0** |
| **C14-C15** | **9.6 J** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **16** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **22** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **34** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **51** | **10** | **mg/kg** | **5.0** |
| **C28-C31** | **61** | **10** | **mg/kg** | **5.0** |
| **C32-C35** | **54** | **10** | **mg/kg** | **5.0** |
| **C36-C39** | **46** | **10** | **mg/kg** | **5.0** |
| **C40+** | **45** | **10** | **mg/kg** | **5.0** |
| **Total Carbon Chain Range** | **350** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 82 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-011 | **Work Order #...:** | EAM841AF | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/10/01 07:40 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/11/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 10:47 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 90 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-011 **Work Order #...:** EAM841AD **Matrix.....:** SOLID
**Date Sampled...:** 04/10/01 07:40 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 13:29
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE_K2_041001_3

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-011 **Work Order #...:** EAM841AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 77 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 72 | (60 - 140) |
| Toluene-d8 | 78 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

BUILD_3_R_23_040901_2

GC/MS Volatiles

**Lot-Sample #:** E1D100233-006 **Work Order #:** EAM8T1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

TOTAL Metals

Lot-Sample #...: E1D100233-001 Matrix.....: SOLID
Date Sampled...: 04/09/01 08:40 Date Received..: 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8H1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **24300** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AE** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **3.6** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **151** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.63** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.63** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **9.9** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **27.1** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **38.4** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

TOTAL Metals

**Lot-Sample #...:** E1D100233-001 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **1.2 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **18.6** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **6.1** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Thallium** | **0.69 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AU** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **56.4** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Antimony** | **0.54 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8H1AR |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Zinc** | **63.9** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8H1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:04 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |

**Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mercury** | **0.026 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8H1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:54 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-002 Matrix.....: SOLID
Date Sampled...: 04/09/01 08:45 Date Received..: 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8K1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **27200** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.6** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **187** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.75** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.66** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **12.0** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **31.1** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **46.0** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-002 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **1.1 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **21.7** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **22.1** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.59 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8K1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **1.4** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **62.2** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **77.1** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8K1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:34 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |
| **Prep Batch #...: 1100410** | | | | | | |
| **Mercury** | **0.030 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8K1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:00 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

TOTAL Metals

Lot-Sample #...: E1D100233-003 Matrix.....: SOLID
Date Sampled...: 04/09/01 08:55 Date Received..: 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8M1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **24700** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.4** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **229** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.68** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.56** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **10.9** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **27.8** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **62.5** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

TOTAL Metals

Lot-Sample #...: E1D100233-003 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **0.91 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **19.5** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **9.8** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.55 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8M1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.67 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **57.4** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **75.2** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8M1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |

**Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mercury** | **0.038 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8M1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-004 Matrix.....: SOLID
Date Sampled...: 04/09/01 09:00 Date Received..: 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8N1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **25300** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **4.1** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **210** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.72** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.54** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **10.6** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **27.2** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AO** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **58.6** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_2

TOTAL Metals

Lot-Sample #...: E1D100233-004 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **0.90 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **19.7** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **7.4** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.64 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8N1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8N1AV |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **55.0** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **80.5** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8N1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:01 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |

**Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mercury** | **0.043 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8N1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:03 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

TOTAL Metals

**Lot-Sample #...:** E1D100233-005 **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:10 **Date Received..:** 04/10/01 14:00

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Prep Batch #...:** 1100405 | | | | | | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8R1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Aluminum** | **25700** | **20.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AF** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 8.0 | |
| **Arsenic** | **5.7** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AH** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Barium** | **151** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AJ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Beryllium** | **0.72** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AK** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cadmium** | **0.61** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AL** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.050 | |
| **Cobalt** | **11.1** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AM** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Chromium** | **29.4** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1A0** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Copper** | **34.6** | **2.5** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AN** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

TOTAL Metals

Lot-Sample #...: E1D100233-005 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **Molybdenum** | **1.0 B** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AQ** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Nickel** | **21.1** | **4.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AR** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Lead** | **10.3** | **0.50** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AP** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.30 | |
| **Antimony** | **0.26 B** | **6.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AG** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.20 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 04/10-04/11/01 | EAM8R1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.40 | |
| **Thallium** | **0.92 B** | **1.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AV** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.50 | |
| **Vanadium** | **58.9** | **5.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AW** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 0.10 | |
| **Zinc** | **267** | **2.0** | **mg/kg** | **SW846 6010B** | **04/10-04/11/01** | **EAM8R1AX** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:07 | Analyst ID.....: 0031191 | |
| | | Instrument ID..: M01 | | MS Run #.....: 1100201 | MDL.....: 1.0 | |

**Prep Batch #...:** 1100410

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mercury** | **0.051 B** | **0.10** | **mg/kg** | **SW846 7471A** | **04/10-04/11/01** | **EAM8R1AA** |
| | | Dilution Factor: 1 | | Analysis Time..: 16:05 | Analyst ID.....: 0210881 | |
| | | Instrument ID..: M04 | | MS Run #.....: 1100203 | MDL.....: 0.020 | |

**NOTE(S):**

B Estimated result. Result is less than RL.

SEVERN
TRENT
SERVICES

**STL Los Angeles**
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

April 19, 2001

STL LOT NUMBER: E1D100233
PO/CONTRACT: 05160-SEV002

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Logan,

This report contains the analytical results for the 11 samples received under chain of custody by STL Los Angeles on April 10, 2001. These samples are associated with your BRC former C6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report. Note that the 8310 analysis was performed by Del Mar Analytical. See attached report for any related anomalies.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC certification number 01118CA. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

This report contains 000123 pages.

# Chain of Custody Record

SEVERN TRENT SERVICES

**Severn Trent Laboratories, Inc.**

STL-4124 (0700)

| Client | Project Manager | Date | Chain of Custody Number |
|---|---|---|---|
| Kennedy / Jenks Consultants | Rus Purcell | 4-10-01 | 051858 |
| **Address** | **Telephone Number (Area Code)/Fax Number** | **Lab Number** | |
| 2151 Michelson Dr. Suite 100 | 949-261-1577 | | Page 1 of 1 |

| City | State | Zip Code | Site Contact | Lab Contact |
|---|---|---|---|---|
| Irvine | CA. | 92612 | Shane Scrimshire | |

| Project Name and Location (State) | Carrier/Waybill Number |
|---|---|
| Boeing Parcel C | |

Contract/Purchase Order/Quote No.: 004034.00

Analysis (Attach list if more space is needed)

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNOS | HCl | NaOH | ZnAc/NaOH | 8260/VOCs | 8015C/TPH | 6000/7000 Series Metals | 8310/PAHs | 8270/SVOCs | 7192 | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Build-3-P-23-040901-1 | 4-9-01 | 0840 | | | | X | X | | | | | | X | X | X | | | | |
| Build-3-P-23-040901-2 | | 0845 | | | | X | X | | | | | | X | X | X | | | | |
| Build-3-Q-23-040901-1 | | 0855 | | | | X | X | | | | | | X | X | X | | | | Please run 7192 if total chrome exceeds 3 mg/kg + run 8310 + 8270 if TPH is detected. |
| Build-3-Q-23-040901-2 | | 0900 | | | | X | X | | | | | | X | X | X | | | | |
| Build-3-R-23-040901-1 | | 0910 | | | | X | X | | | | | | X | X | X | | | | |
| Build-3-R-23-040901-2 | | 0915 | | | | X | X | | | | | | X | X | X | | | | |
| Build-1-N-15-040901-1 | | 1345 | | | | X | X | | | | | | X | X | X | | | | |
| Build-1-N-15-040901-2 | | 1400 | | | | X | X | | | | | | X | X | X | | | | |
| Source-K2-041001-1 | 4-10-01 | 0730 | | | | X | X | | | | | | X | X | X | X | | | 48 hr Turnaround |
| Source-K2-041001-2 | | 0735 | | | | X | X | | | | | | X | X | X | X | | | " |
| Source-K2-041001-3 | | 0740 | | | | X | X | | | | | | X | X | X | X | | | " |

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 4-10-01 | 1400 | 1. ADOLPO STLLA | 4/10/01 | 14:00 |
| 2. | | | 2. | | |
| 3. | | | 3. | | |

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

000002

BOE-C6-0232447

# STL – LOS ANGELES
## PROJECT RECEIPT CHECKLIST

Date: 4/10/01

Quantims Lot #: E1D100233
Client Name: KENNEDY JENKS
Received by: AV
Delivered by: ☒ Client ☐ Airborne ☐ Fed Ex ☐ DHL ☐ Ultra-Ex ☐ Rey B. ☐ UPS ☐ DES ☐ Other

Quote #:
Project: BOEING Parcel C
Date/Time Received: 4/10/01 14:00

Initial / Date

Custody Seal Status: ☐ Intact ☐ Broken ☒ None ..... AV 4/10
Custody Seal #(s): ☐ No Seal # .....
Sample Container(s): ☐ STL-LA ☒ Client ☐ N/A .....
Temperature(s) (COOLER/BLANK) in °C: 6°C (CORRECTED TEMP) .....
Thermometer Used : ☒ IR (Infra-red) ☐ Digital (Probe) .....
Samples: ☒ Intact ☐ Broken ☐ Other .....
Anomalies: ☒ No ☐ Yes (See Clouseau) .....
Labeled by .....
Labeling checked by .....

Turn Around Time: ☐ RUSH-24HR ☐ RUSH-48HR ☐ RUSH-72HR ☒ NORMAL ..... AV 4/10
Short-Hold Notification: ☐ Ph ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☐ N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) :

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

| Fraction | 1 TO 11 | | | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh /* | | | | | | | | | | | N/A |
| Sleeve | 1 | | | | | | | | | | |
| | | | | | | | | | | | |
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h:HCl na:Sodium Hydroxide znac:Zinc Acetate/Sodium Hydroxide s:H2SO4 n:HNO3 n/f:HNO3-Field filtered n/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: MB 04/10/01 REVIEWED BY/DATE: T Swart 4-11-01

000003

BOE-C6-0232448

# EXECUTIVE SUMMARY - Detection Highlights

E1D100233

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **BUILD_3_P_23_040901_1 04/09/01 08:40** | **001** | | | |
| Mercury | 0.026 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 24300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.6 | 1.0 | mg/kg | SW846 6010B |
| Barium | 151 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.63 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.63 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.9 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 27.1 | 1.0 | mg/kg | SW846 6010B |
| Copper | 38.4 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.2 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 18.6 | 4.0 | mg/kg | SW846 6010B |
| Lead | 6.1 | 0.50 | mg/kg | SW846 6010B |
| Thallium | 0.69 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 56.4 | 5.0 | mg/kg | SW846 6010B |
| Antimony | 0.54 B | 6.0 | mg/kg | SW846 6010B |
| Zinc | 63.9 | 2.0 | mg/kg | SW846 6010B |
| Acetone | 21 J | 25 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 5.0 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 3.2 J | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 4.7 J | 5.0 | ug/kg | SW846 8260B |
| **BUILD_3_P_23_040901_2 04/09/01 08:45** | **002** | | | |
| Mercury | 0.030 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 27200 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.6 | 1.0 | mg/kg | SW846 6010B |
| Barium | 187 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.75 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.66 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 12.0 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 31.1 | 1.0 | mg/kg | SW846 6010B |
| Copper | 46.0 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.1 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 21.7 | 4.0 | mg/kg | SW846 6010B |
| Lead | 22.1 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.59 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 1.4 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 62.2 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 77.1 | 2.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1D100233

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **BUILD_3_Q_23_040901_1 04/09/01 08:55** | **003** | | | |
| Mercury | 0.038 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 24700 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.4 | 1.0 | mg/kg | SW846 6010B |
| Barium | 229 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.68 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.56 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.9 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 27.8 | 1.0 | mg/kg | SW846 6010B |
| Copper | 62.5 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.91 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 19.5 | 4.0 | mg/kg | SW846 6010B |
| Lead | 9.8 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.55 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 0.67 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 57.4 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 75.2 | 2.0 | mg/kg | SW846 6010B |
| Acetone | 33 | 25 | ug/kg | SW846 8260B |
| **BUILD_3_Q_23_040901_2 04/09/01 09:00** | **004** | | | |
| Mercury | 0.043 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 25300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.1 | 1.0 | mg/kg | SW846 6010B |
| Barium | 210 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.72 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.54 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.6 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 27.2 | 1.0 | mg/kg | SW846 6010B |
| Copper | 58.6 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.90 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 19.7 | 4.0 | mg/kg | SW846 6010B |
| Lead | 7.4 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.64 B | 6.0 | mg/kg | SW846 6010B |
| Vanadium | 55.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 80.5 | 2.0 | mg/kg | SW846 6010B |
| **BUILD_3_R_23_040901_1 04/09/01 09:10** | **005** | | | |
| C14-C15 | 8.6 J | 10 | mg/kg | SW846 8015B |
| C16-C17 | 11 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 9.6 J | 10 | mg/kg | SW846 8015B |
| C20-C23 | 11 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 23 | 10 | mg/kg | SW846 8015B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

**E1D100233**

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **BUILD_3_R_23_040901_1 04/09/01 09:10** | **005** | | | |
| C28-C31 | 38 | 10 | mg/kg | SW846 8015B |
| C32-C35 | 52 | 10 | mg/kg | SW846 8015B |
| C36-C39 | 47 | 10 | mg/kg | SW846 8015B |
| C40+ | 88 | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 290 | 10 | mg/kg | SW846 8015B |
| Mercury | 0.051 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 25700 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 5.7 | 1.0 | mg/kg | SW846 6010B |
| Barium | 151 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.72 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.61 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 11.1 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 29.4 | 1.0 | mg/kg | SW846 6010B |
| Copper | 34.6 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.0 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 21.1 | 4.0 | mg/kg | SW846 6010B |
| Lead | 10.3 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.26 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 0.92 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 58.9 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 267 | 2.0 | mg/kg | SW846 6010B |
| **BUILD_3_R_23_040901_2 04/09/01 09:15** | **006** | | | |
| Mercury | 0.022 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 20200 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.6 | 1.0 | mg/kg | SW846 6010B |
| Barium | 112 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.61 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.44 B | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.1 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 24.3 | 1.0 | mg/kg | SW846 6010B |
| Copper | 32.6 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.83 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 15.9 | 4.0 | mg/kg | SW846 6010B |
| Lead | 8.7 | 0.50 | mg/kg | SW846 6010B |
| Thallium | 0.65 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 45.9 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 58.5 | 2.0 | mg/kg | SW846 6010B |
| Trichloroethene | 4.0 J | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 2.7 J | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1D100233

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **BUILD_1_N_15_040901_1 04/09/01 13:45** | **007** | | | |
| C12-C13 | 66 | 10 | mg/kg | SW846 8015B |
| C14-C15 | 99 | 10 | mg/kg | SW846 8015B |
| C16-C17 | 64 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 43 | 10 | mg/kg | SW846 8015B |
| C20-C23 | 23 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 15 | 10 | mg/kg | SW846 8015B |
| C28-C31 | 15 | 10 | mg/kg | SW846 8015B |
| C32-C35 | 17 | 10 | mg/kg | SW846 8015B |
| C36-C39 | 12 | 10 | mg/kg | SW846 8015B |
| C40+ | 5.9 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 360 | 10 | mg/kg | SW846 8015B |
| Mercury | 0.036 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 20400 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.3 | 1.0 | mg/kg | SW846 6010B |
| Barium | 131 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.60 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.53 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.5 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 24.3 | 1.0 | mg/kg | SW846 6010B |
| Copper | 46.8 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.93 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 17.4 | 4.0 | mg/kg | SW846 6010B |
| Lead | 11.2 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.32 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 0.77 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 51.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 66.7 | 2.0 | mg/kg | SW846 6010B |
| Acetone | 22 J | 25 | ug/kg | SW846 8260B |
| Trichloroethene | 3.4 J | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 48 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 13 | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | 9.5 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 17 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 53 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 4.7 J | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 18 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 12 | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | 54 | 5.0 | ug/kg | SW846 8260B |

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# EXECUTIVE SUMMARY - Detection Highlights

E1D100233

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **BUILD_1_N_15_040901_2 04/09/01 14:00 008** | | | | |
| Aluminum | 30800 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 5.0 | 1.0 | mg/kg | SW846 6010B |
| Barium | 272 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.94 | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 1.3 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 12.7 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 31.8 | 1.0 | mg/kg | SW846 6010B |
| Copper | 32.2 | 2.5 | mg/kg | SW846 6010B |
| Lead | 6.6 | 0.50 | mg/kg | SW846 6010B |
| Molybdenum | 1.4 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 15.6 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.83 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 55.9 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 111 | 2.0 | mg/kg | SW846 6010B |
| **SOURCE_K2_041001_1 04/10/01 07:30 009** | | | | |
| C18-C19 | 9.6 J | 10 | mg/kg | SW846 8015B |
| C20-C23 | 13 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 20 | 10 | mg/kg | SW846 8015B |
| C28-C31 | 23 | 10 | mg/kg | SW846 8015B |
| C32-C35 | 21 | 10 | mg/kg | SW846 8015B |
| C36-C39 | 20 | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 120 | 10 | mg/kg | SW846 8015B |
| Mercury | 0.072 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 17000 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.1 | 1.0 | mg/kg | SW846 6010B |
| Barium | 139 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.45 B | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.55 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 8.8 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 23.4 | 1.0 | mg/kg | SW846 6010B |
| Copper | 37.5 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 3.0 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 14.4 | 4.0 | mg/kg | SW846 6010B |
| Lead | 10.6 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.41 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 1.1 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 49.3 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 70.5 | 2.0 | mg/kg | SW846 6010B |

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# EXECUTIVE SUMMARY - Detection Highlights

**E1D100233**

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SOURCE_K2_041001_2 04/10/01 07:35 010** | | | | |
| C12-C13 | 8.8 J | 10 | mg/kg | SW846 8015B |
| C14-C15 | 18 | 10 | mg/kg | SW846 8015B |
| C16-C17 | 29 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 38 | 10 | mg/kg | SW846 8015B |
| C20-C23 | 36 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 39 | 10 | mg/kg | SW846 8015B |
| C28-C31 | 43 | 10 | mg/kg | SW846 8015B |
| C32-C35 | 40 | 10 | mg/kg | SW846 8015B |
| C36-C39 | 47 | 10 | mg/kg | SW846 8015B |
| C40+ | 46 | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 350 | 10 | mg/kg | SW846 8015B |
| Mercury | 0.051 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 16700 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.9 | 1.0 | mg/kg | SW846 6010B |
| Barium | 251 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.46 B | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.86 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 8.1 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 24.1 | 1.0 | mg/kg | SW846 6010B |
| Copper | 44.5 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 3.2 B | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.69 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 50.1 | 5.0 | mg/kg | SW846 6010B |
| Nickel | 16.5 | 4.0 | mg/kg | SW846 6010B |
| Lead | 13.6 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.30 B | 6.0 | mg/kg | SW846 6010B |
| Zinc | 77.2 | 2.0 | mg/kg | SW846 6010B |
| **SOURCE_K2_041001_3 04/10/01 07:40 011** | | | | |
| C12-C13 | 5.7 J | 10 | mg/kg | SW846 8015B |
| C14-C15 | 9.6 J | 10 | mg/kg | SW846 8015B |
| C16-C17 | 16 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 22 | 10 | mg/kg | SW846 8015B |
| C20-C23 | 34 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 51 | 10 | mg/kg | SW846 8015B |
| C28-C31 | 61 | 10 | mg/kg | SW846 8015B |
| C32-C35 | 54 | 10 | mg/kg | SW846 8015B |
| C36-C39 | 46 | 10 | mg/kg | SW846 8015B |
| C40+ | 45 | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 350 | 10 | mg/kg | SW846 8015B |
| Mercury | 0.10 | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 16800 | 20.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1D100233

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SOURCE_K2_041001_3 04/10/01 07:40 011** | | | | |
| Arsenic | 4.4 | 1.0 | mg/kg | SW846 6010B |
| Barium | 137 | 2.0 | mg/kg | SW846 6010B |
| Beryllium | 0.44 B | 0.50 | mg/kg | SW846 6010B |
| Cadmium | 0.59 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 8.4 | 5.0 | mg/kg | SW846 6010B |
| Chromium | 23.5 | 1.0 | mg/kg | SW846 6010B |
| Copper | 26.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 3.3 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 14.4 | 4.0 | mg/kg | SW846 6010B |
| Lead | 16.9 | 0.50 | mg/kg | SW846 6010B |
| Antimony | 0.29 B | 6.0 | mg/kg | SW846 6010B |
| Thallium | 0.80 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 47.6 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 71.2 | 2.0 | mg/kg | SW846 6010B |

# METHODS SUMMARY

**E1D100233**

| PARAMETER | ANALYTICAL METHOD | PREPARATION METHOD |
|---|---|---|
| Extractable Petroleum Hydrocarbons | SW846 8015B | SANA AUTO-SHAKE |
| Inductively Coupled Plasma (ICP) Metals | SW846 6010B | SW846 3050B |
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A | SW846 7471A |
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030 |
| Volatile Petroleum Hydrocarbons | SW846 8015B | SW846 5030 |

**References:**

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

# SAMPLE SUMMARY

**E1D100233**

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|
| EAM8H | 001 | BUILD_3_P_23_040901_1 | 04/09/01 | 08:40 |
| EAM8K | 002 | BUILD_3_P_23_040901_2 | 04/09/01 | 08:45 |
| EAM8M | 003 | BUILD_3_Q_23_040901_1 | 04/09/01 | 08:55 |
| EAM8N | 004 | BUILD_3_Q_23_040901_2 | 04/09/01 | 09:00 |
| EAM8R | 005 | BUILD_3_R_23_040901_1 | 04/09/01 | 09:10 |
| EAM8T | 006 | BUILD_3_R_23_040901_2 | 04/09/01 | 09:15 |
| EAM8W | 007 | BUILD_1_N_15_040901_1 | 04/09/01 | 13:45 |
| EAM8X | 008 | BUILD_1_N_15_040901_2 | 04/09/01 | 14:00 |
| EAM81 | 009 | SOURCE_K2_041001_1 | 04/10/01 | 07:30 |
| EAM82 | 010 | SOURCE_K2_041001_2 | 04/10/01 | 07:35 |
| EAM84 | 011 | SOURCE_K2_041001_3 | 04/10/01 | 07:40 |

**NOTE(S):**

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

GC Semivolatiles

**Lot-Sample #...:** E1D100233-001 **Work Order #...:** EAM8H1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 16:09
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |
| TPH (as Diesel) | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 98 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-001 | **Work Order #...:** | EAM8H1AD | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 08:40 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 19:39 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-001 **Work Order #...:** EAM8H1AA **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:40 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 18:39
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| **Acetone** | **21 J** | **25** | **ug/kg** | **15** |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-001 **Work Order #...:** EAM8H1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **5.0** | **5.0** | **ug/kg** | **2.0** |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| **1,3,5-Trimethylbenzene** | **3.2 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **1,2,4-Trimethylbenzene** | **4.7 J** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 80 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 78 | (60 - 140) |
| Toluene-d8 | 79 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_2

GC Semivolatiles

**Lot-Sample #...:** E1D100233-002 **Work Order #...:** EAM8K1AD **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:45 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/16/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 19:58
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 80 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-002 | **Work Order #...:** | EAM8K1AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 08:45 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 20:08 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

**Client Sample ID: BUILD_3_P_23_040901_2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1D100233-002 **Work Order #...:** EAM8K1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:45 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 18:08
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_P_23_040901_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-002 **Work Order #...:** EAM8K1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 79 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 71 | (60 - 140) |
| Toluene-d8 | 80 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

GC Semivolatiles

**Lot-Sample #...:** E1D100233-003 **Work Order #...:** EAM8M1AD **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:55 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 18:45
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 73 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-003 | **Work Order #...:** | EAM8M1AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 08:55 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 20:36 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-003 **Work Order #...:** EAM8M1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 08:55 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 17:38
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| **Acetone** | **33** | **25** | **ug/kg** | **15** |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-003 **Work Order #...:** EAM8M1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 78 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 63 | (60 - 140) |
| Toluene-d8 | 77 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_2

GC Semivolatiles

**Lot-Sample #...:** E1D100233-004 **Work Order #...:** EAM8N1AD **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:00 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 20:42
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 79 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-004 | **Work Order #...:** | EAM8N1AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 09:00 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 21:05 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 91 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

**Client Sample ID: BUILD_3_Q_23_040901_2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1D100233-004 **Work Order #...:** EAM8N1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:00 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 17:07
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_Q_23_040901_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-004 **Work Order #...:** EAM8N1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 76 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 70 | (60 - 140) |
| Toluene-d8 | 78 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-005 | **Work Order #...:** | EAM8R1AD | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 09:10 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1100215 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/16/01 | | |
| **Prep Batch #...:** | 1100431 | **Analysis Time..:** | 14:45 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 064667 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| **C14-C15** | **8.6 J** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **11** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **9.6 J** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **11** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **23** | **10** | **mg/kg** | **5.0** |
| **C28-C31** | **38** | **10** | **mg/kg** | **5.0** |
| **C32-C35** | **52** | **10** | **mg/kg** | **5.0** |
| **C36-C39** | **47** | **10** | **mg/kg** | **5.0** |
| **C40+** | **88** | **10** | **mg/kg** | **5.0** |
| **Total Carbon Chain Range** | **290** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 92 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1D100233-005 | **Work Order #...:** | EAM8R1AE | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 04/09/01 09:10 | **Date Received..:** | 04/10/01 14:00 | **MS Run #.....:** | 1101183 |
| **Prep Date.....:** | 04/10/01 | **Analysis Date..:** | 04/10/01 | | |
| **Prep Batch #...:** | 1101403 | **Analysis Time..:** | 21:33 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-005 **Work Order #...:** EAM8R1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:10 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1102147
**Prep Date.....:** 04/11/01 **Analysis Date..:** 04/11/01
**Prep Batch #...:** 1102355 **Analysis Time..:** 16:36
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_1

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-005 **Work Order #...:** EAM8R1AC **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 77 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 68 | (60 - 140) |
| Toluene-d8 | 78 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

GC Semivolatiles

**Lot-Sample #...:** E1D100233-006 **Work Order #...:** EAM8T1AD **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:15 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1100215
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/12/01
**Prep Batch #...:** 1100431 **Analysis Time..:** 21:59
**Dilution Factor:** 1
**Analyst ID.....:** 064667 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 90 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

GC Volatiles

**Lot-Sample #...:** E1D100233-006 **Work Order #...:** EAM8T1AE **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:15 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1101183
**Prep Date.....:** 04/10/01 **Analysis Date..:** 04/10/01
**Prep Batch #...:** 1101403 **Analysis Time..:** 22:02
**Dilution Factor:** 1
**Analyst ID.....:** 001464 **Instrument ID..:** G16
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_3_R_23_040901_2

GC/MS Volatiles

**Lot-Sample #...:** E1D100233-006 **Work Order #...:** EAM8T1AC **Matrix.....:** SOLID
**Date Sampled...:** 04/09/01 09:15 **Date Received..:** 04/10/01 14:00 **MS Run #.....:** 1108164
**Prep Date.....:** 04/17/01 **Analysis Date..:** 04/17/01
**Prep Batch #...:** 1107507 **Analysis Time..:** 16:46
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **4.0 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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