Krazan & Associates, INC.

GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING CONSTRUCTION TESTING & INSPECTION

September 23, 2016

KA Project No. 09616252

Page 1 of 4

Tel: (206)769-6542

Mr. John Dahlman Sierra Construction johnd@sierraind.com Lynnwood, WA

RE: Letter Report for Testing and Inspection Services for: Limited Soil Sampling and Analysis Proposed CarMax Property located at: 21301 Highway 99 Lynnwood, WA

Dear Mr. Dahlman:

Krazan and Associates is providing this Letter Report in reference to limited sampling of soil at the proposed CarMax located at 21301 Highway 99 in Lynnwood, Washington. Preliminary sample collection was conducted by Krazan representative Mr. Jordan Kain on September 15, 2016 and confirmational sample collection was conducted by Krazan representative Mr. Andrew Joyce on September 19, 2016 in the "Pond Area". This sampling was performed in accordance with federal, state and local regulatory requirements, and was limited to areas defined by the client. Sample location and contaminants of concern (COC) analysis were directed by the contractor.

1.0 Analytical Results

1.1 Soil Analytical Results

The soil sampled from the preliminary sampling and identified as "Gray Sand Pocket" at the location referenced above exceeded Model Toxics Control Act (MTCA) limits set forth by Washington State Department of Ecology (WDOE) of 100 ppm of gasoline in soil and 2,000 ppm of diesel in soil. Confirmational soil samples taken from the four walls and the center of the excavation pit indicated non-detectable levels of all analytes including gasoline, diesel, and MTCA 5 metals. Although confirmational samples identified resulted in lower levels of contamination below MTCA action levels, it can be assumed that the spoils pile is within 2-1,000 ppm gasoline and 50-21,000 ppm diesel throughout the pile. This assumption is made due to the mixing of the soil during excavation along with the pockets of high gasoline and diesel concentration throughout the pile. Trace metals typically associated with petroleum contamination were also indicated at levels below MTCA action levels. The laboratory analytical report is provided in Appendix A.

2.1 Sampling Methodology

The preliminary soil sampling location was defined by the client as discreet samples taken from the odorous gray sand pocket, additional proximity gray sand pocket, and the stock pile material. The confirmational soil sampling location was defined by the client as discreet samples taken from the north, south, east, and west walls of the excavation along with one sample of the bottom of the excavation located at in the "Pond Area" at 21301 Highway 99 in Lynnwood, Washington. The samples were collected by carefully collecting each sample of soil from the above referenced location and placing the samples in a clean sample container. The sampling instrument was wiped clean before sampling with a clean moist cloth to decontaminate the tool and minimize the potential cross contamination from previous samples. Data pertinent to each sample (e.g., date, sample number, material description, and material category) was recorded on a chain of custody.

Laboratory Analysis

Three (3) discrete soil samples were collected from the site and tested for TPH-Diesel, TPD-Gasoline, BTEX, and RCRA-8 metals on September 15, 2016. Five (5) discrete soil samples were collected from the site and tested for TPH-Diesel, TPH-Gasoline, BTEX, and MTCA-5 metals on September 19, 2016. The samples were placed in an iced cooler and delivered to Friedman & Bruya Laboratories in Seattle, Washington, under chain-of-custody protocol for analysis. Freidman & Bruya Laboratories is a Washington State accredited laboratory. Laboratory analytical data reports and chain-of-custody forms are provided in Appendix B

2.2 Laboratory Sample Results

Table 1 includes the sample number, sample location, sample description, and contamination level.

| Sample ID | Sample Location | Sample Material Description | TPH Gasoline | TPH Diesel | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Arsenic | Barium | Cadmium | Chromium | Lead | Mercury | Selenium | Silver |
|------------------------|--|-----------------------------------|-----------------|---------------|---------|---------|---------------|---------------|---------|--------|---------|----------|------|---------|----------|----------|
| Gray Sand Pocket | Pond Area | Soil | 1,000 | 21,000 | <0.02 | 0.19 | 1.3 | 7.9 | 0.09 | 4.32 | <1 | 0.38 | 0.07 | <1 | \leq 1 | <1 |
| Proximity | 10' West of "Gray Sand Pocket" | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 0.11 | 1.62 | <1 | 0.33 | 0.09 | <1 | <1 | <1 |
| Stock Pile | Stock Piled Soil | Soil | 14 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 0.143 | 2.11 | <1 | 0.39 | 0.43 | <1 | <1 | ≤ 1 |
| | | | | | | | | | | | | | | | | |

Table 1 – Summary of Analytical Data – Preliminary Sampling from 9/15/16

KA Project 096-16252

September 23, 2016

| | | | | | | | | | | | | | | газ | ,c | |
|---------------------------|----|------|------------|--------------|-----|----|----|----|---|-----|---|---|---|-----|----|---|
| RCRA Cleanup Levels | NA | Soil | 100 ррт | 2,000 ppm | 0.5 | NA | NA | NA | 2 | 100 | - | S | 5 | 0.2 | - | 5 |

| Sample ID | Sample Location | Sample Material Description | TPH Gasoline | TPH Diesel | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Arsenic | Cadmium | Chromium | Lead | Mercury |
|---------------------------|--------------------------------|-----------------------------------|-----------------|---------------|---------|---------|---------------|---------------|---------|---------|----------|------|---------|
| N-1 | North Wall of Excavation | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 1.59 | <1 | 7.72 | 1.17 | \leq |
| S-1 | South Wall of Excavation | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 1.49 | <1 | 13.2 | 1.62 | <1 |
| E-1 | East Wall of Excavation | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 1.53 | <1 | 7.94 | 1.28 | \leq |
| W-1 | West Wall of Excavation | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 1.73 | <1 | 11.1 | 1.52 | <1 |
| B-1 | Bottom of Excavation | Soil | <2 | <50 | <0.02 | <0.02 | <0.02 | <0.06 | 1.47 | <1 | 8.14 | 1.01 | <1 |
| MTCA Cleanup Levels | NA | Soil | 100 ppm | 2,000 ppm | 0.03 | 7 | 9 | 6 | 20 | 2 | 2,000 | 250 | 2 |

| Tab | le 2 – | Summarv | of A | Analyt | ical | Data – | Con | firmat | ional | Sam | pling | from | 9/1 | 9/1 | 6 |
|-----|--------|---------|------|--------|------|--------|-----|--------|-------|-----|-------|------|-----|-----|---|
| | | | | , - | | | | | | | | | | | - |

2.3 Conclusions

The preliminary soil samples obtained from the "Pond Area" located at 13509 21301 Highway 99 in Lynnwood, Washington exceeded the Resource Conservation and Recovery Act (RCRA) action level of 100 ppm of gasoline in soil and 2,000 ppm of diesel in soil by the Washington State Department of Ecology. The bottom of the excavation pit along with its four walls resulted in non-detectable levels of all analytes. This appears to indicate that no further remediation work is deemed necessary by Model Toxics Control Act (MTCA) regulations. Based on preliminary soil sample results, it can be assumed that portions of the spoils pile also exceed RCRA action limits of 100 ppm gasoline and 2,000 ppm diesel. This material should be removed as contaminated soil for proper disposal. According to chapter 173-340 of WAC of the *Model Toxics Control Act Regulation and Statute* handbook, Ecology's Toxics Cleanup Program must be notified within 90 days of discovery of a hazardous substance in soil.

LIMITATIONS

This survey and review of the subject property has been limited in scope to those areas defined by the client. This investigation is undertaken with the risk that visual observations and random sampling alone would not reveal the presence, full nature, and extent of Contaminants of Concern (COC). Krazan makes no representation as to the COC content of materials not sampled or that were inaccessible to our

inspector. The sample locations are approximate, and are based on field notes and diagrams of sample locations. The opinions presented herein apply to the site condition existing at the time of the investigation. Opinions and recommendations provided herein may not apply to future conditions that may exist at the site.

The findings presented in this report were based on field observations and sampling as defined by the client. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used. The information presented herein is based on professional interpretation using presently accepted methods with a degree of conservatism deemed proper as of the report date. We do not warrant that future technical developments cannot supersede such data.

This report is provided for the exclusive use of the client noted on the cover page and is subject to the terms and conditions in the applicable contract between the client and Krazan. The client is the only party to whom Krazan has explained the risks involved and has been involved in the shaping of the scope of services needed to satisfactorily manage those risks, if any, from the client's point of view. Any third party use of this report, including use by the Client's lender, prospective purchaser, or lessee will be subject to the terms and conditions governing the contractual work between the Client and Krazan. The unauthorized use of, reliance on, or release of the information contained in this report is strictly prohibited and will be without risk or liability to Krazan.

Laboratory analysis was conducted by a laboratory accredited under the guidance of the EPA. The results of the analyses are accurate only to the degree of care exercised by the independent laboratories and the representative nature of the samples obtained.

Krazan appreciates the opportunity to provide you with this information and trusts that you will find it useful. If you have any questions or if we may be of further assistance, please do not hesitate to contact our office at (425) 485-5519.

Respectfully submitted, KRAZAN & ASSOCIATES, INC.

ferm Vin

Jordan Kain Environmental Technician Krazan & Associate



ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

September 22, 2016

Steven Padilla, Project Manager Krazan & Associates 4303 198th Street SW Lynnwood, WA 98036

Dear Mr. Padilla:

Included are the results from the testing of material submitted on September 15, 2016 from the CarMax, PO 096-16252, F&BI 609261 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Cale

Michael Erdahl Project Manager

Enclosures c: Jordan Kain krz0922R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 15, 2016 by Friedman & Bruya, Inc. from the Krazan & Associates CarMax, PO 096-16252, F&BI 609261 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Krazan & Associates</u> |
|----------------------|--------------------------------|
| 609261 -01 | Gray Sand Pocket |
| 609261 -02 | Proximity |
| 609261 -03 | Stock Pile |

The 200.8 silver matrix spike and laboratory control sample failed below the acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/15/16 Project: CarMax, PO 096-16252, F&BI 609261 Date Extracted: 09/15/16 Date Analyzed: 09/15/16 and 09/17/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

| Sample ID Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | Ethyl <u>Benzene</u> | Total <u>Xylenes</u> | Gasoline <u>Range</u> | Surrogate (<u>% Recovery</u>) (Limit 50-150) |
|-----------------------------------|----------------|----------------|-------------------------|-------------------------|--------------------------|--|
| Gray Sand Pocket 609261-01 1/5 | <0.02 j | 0.19 | 1.3 | 7.9 | 940 | 108 |
| Proximity 609261-02 | <0.02 | <0.02 | < 0.02 | < 0.06 | <2 | 79 |
| Stock Pile 609261-03 | <0.02 | <0.02 | <0.02 | <0.06 | 14 | 81 |
| Method Blank 06-1869 MB | < 0.02 | < 0.02 | < 0.02 | < 0.06 | <2 | 85 |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/15/16 Project: CarMax, PO 096-16252, F&BI 609261 Date Extracted: 09/15/16 Date Analyzed: 09/15/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Surrogato

| Sample ID | Diesel Range | Motor Oil Range | $\frac{(\% \text{ Recovery})}{(1 \text{ imit } 56-165)}$ |
|-------------------------------|--------------|-----------------|--|
| Gray Sand Pocket 609261-01 | 21,000 | <250 | ip |
| Proximity 609261-02 | <50 | <250 | 110 |
| Stock Pile 609261-03 | <50 | <250 | 102 |
| Method Blank 06-1898 MB | <50 | <250 | 97 |

ENVIRONMENTAL CHEMISTS

| Client ID: Date Received: Date Extracted: | Gray Sand Pocket 09/15/16 09/15/16 | Client: Project: Lab ID: | Krazan & Associates CarMax, PO 096-16252, F&BI 609261 609261-01 |
|---|--|--------------------------------|---|
| Date Analyzed: | 09/15/16 | Data File: | 609261-01.064 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| Analyte: | Concentration mg/kg (ppm) | | |
| Arsenic | 1.83 | | |
| Barium | 86.3 | | |
| Cadmium | <1 | | |
| Chromium | 7.54 | | |
| Lead | 1.43 | | |
| Mercury | <1 | | |
| Selenium | <1 | | |
| Silver | <1 jl | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | Proximity | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-----------------------------------|
| Date Received: | 09/15/16 | Project: | CarMax, PO 096-16252, F&BI 609261 |
| Date Extracted: | 09/15/16 | Lab ID: | 609261-02 |
| Date Analyzed: | 09/15/16 | Data File: | 609261-02.065 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 2.21 | | |
| Barium | 32.3 | | |
| Cadmium | <1 | | |
| Chromium | 6.52 | | |
| Lead | 1.80 | | |
| Mercury | <1 | | |
| Selenium | <1 | | |
| Silver | <1 jl | | |

ENVIRONMENTAL CHEMISTS

| Stock Pile | Client: | Krazan & Associates |
|------------------------|---|--|
| 09/15/16 | Project: | CarMax, PO 096-16252, F&BI 609261 |
| 09/15/16 | Lab ID: | 609261-03 |
| 09/15/16 | Data File: | 609261-03.066 |
| Soil | Instrument: | ICPMS2 |
| mg/kg (ppm) Dry Weight | Operator: | SP |
| Concentration | | |
| mg/kg (ppm) | | |
| 2.86 | | |
| 42.2 | | |
| <1 | | |
| 7.79 | | |
| 8.52 | | |
| <1 | | |
| <1 | | |
| <1 jl | | |
| | Stock Pile 09/15/16 09/15/16 Soil mg/kg (ppm) Dry Weight Concentration mg/kg (ppm) 2.86 42.2 <1 7.79 8.52 <1 <1 <1 <1 <1 jl | Stock PileClient: $09/15/16$ Project: $09/15/16$ Lab ID: $09/15/16$ Data File:SoilInstrument:mg/kg (ppm) Dry WeightOperator:Concentration mg/kg (ppm)Concentration 2.86 42.2 <1 |

ENVIRONMENTAL CHEMISTS

| Client ID: | Method Blank | Client: | Krazan & Associates |
|-----------------|------------------------------|-------------|-----------------------------------|
| Date Received: | NA | Project: | CarMax, PO 096-16252, F&BI 609261 |
| Date Extracted: | 09/15/16 | Lab ID: | I6-611 mb |
| Date Analyzed: | 09/15/16 | Data File: | I6-611 mb.022 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| Analyte: | Concentration mg/kg (ppm) | | |
| Arsenic | <1 | | |
| Barium | <1 | | |
| Cadmium | <1 | | |
| Chromium | <5 | | |
| Lead | <1 | | |
| Mercury | <1 | | |
| Selenium | <1 | | |
| Silver | <1 jl | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/15/16 Project: CarMax, PO 096-16252, F&BI 609261

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING METHOD 8021B AND NWTPH-Gx

Laboratory Code: 609183-03 (Duplicate)

| | | Sample | Duplicate | |
|--------------|-----------------|----------|-----------|------------|
| | | Result | Result | RPD |
| Analyte | Reporting Units | (Wet Wt) | (Wet Wt) | (Limit 20) |
| Benzene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Toluene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Xylenes | mg/kg (ppm) | < 0.06 | < 0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| | | | Percent | |
|--------------|------------------------|-------|----------|------------|
| | | Spike | Recovery | Acceptance |
| Analyte | Reporting Units | Level | LCS | Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 96 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 96 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 96 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 96 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 105 | 71-131 |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/15/16 Project: CarMax, PO 096-16252, F&BI 609261

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 609245-01 (Matrix Spike)

| | | | Sample | Percent | Percent | | |
|---------------------|------------------|--------|----------|----------|----------|------------|------------|
| | Reporting | Spike | Result | Recovery | Recovery | Acceptance | RPD |
| Analyte | Units | Level | (Wet Wt) | MS | MSD | Criteria | (Limit 20) |
| Diesel Extended | mg/kg (ppm) | 5,000 | <50 | 102 | 105 | 63-146 | 3 |
| Laboratory Code: La | boratory Control | Sample | | | | | |
| | | | Percent | | | | |
| | Reporting | Spike | Recovery | Accept | tance | | |
| Analyte | Units | Level | LCS | Crite | eria | | |
| Diesel Extended | mg/kg (ppm) | 5,000 | 101 | 79-1 | 44 | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/15/16 Project: CarMax, PO 096-16252, F&BI 609261

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 609078-17 (Matrix Spike)

| Laboratory Code: 609078-17 (Matrix Spike) | | | | | | | | |
|---|-------------|-------|----------|----------|----------|------------|------------|--|
| | | | Sample | Percent | Percent | | | |
| | Reporting | Spike | Result | Recovery | Recovery | Acceptance | RPD | |
| Analyte | Units | Level | (Wet wt) | MS | MSD | Criteria | (Limit 20) | |
| Arsenic | mg/kg (ppm) | 10 | 4.87 | 70 | 81 | 70-130 | 15 | |
| Barium | mg/kg (ppm) | 50 | 62.4 | 65 b | 85 b | 70-130 | 27 b | |
| Cadmium | mg/kg (ppm) | 10 | 4.39 | 89 | 101 | 70-130 | 13 | |
| Chromium | mg/kg (ppm) | 50 | 12.1 | 87 | 97 | 70-130 | 11 | |
| Lead | mg/kg (ppm) | 50 | 325 | 13 b | 143 b | 70-130 | 167 b | |
| Mercury | mg/kg (ppm | 10 | <1 | 78 | 85 | 70-130 | 9 | |
| Selenium | mg/kg (ppm) | 5 | <1 | 70 | 77 | 70-130 | 10 | |
| Silver | mg/kg (ppm) | 10 | <1 | 69 vo | 75 | 70-130 | 8 | |

Laboratory Code: Laboratory Control Sample

| | | | Percent | |
|----------|-------------|-------|----------|------------|
| | Reporting | Spike | Recovery | Acceptance |
| Analyte | Units | Level | LCS | Criteria |
| Arsenic | mg/kg (ppm) | 10 | 91 | 85-115 |
| Barium | mg/kg (ppm) | 50 | 100 | 85-115 |
| Cadmium | mg/kg (ppm) | 10 | 98 | 85-115 |
| Chromium | mg/kg (ppm) | 50 | 113 | 85-115 |
| Lead | mg/kg (ppm) | 50 | 102 | 85-115 |
| Mercury | mg/kg (ppm) | 10 | 97 | 85-115 |
| Selenium | mg/kg (ppm) | 5 | 85 | 85-115 |
| Silver | mg/kg (ppm) | 10 | 82 vo | 85-115 |

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

 $\ensuremath{\text{ip}}$ - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

| | | | | | <u>.</u> | | 4 | . <u>.</u> | | | | | | n in shipe An gan | | | 5 |
|-------|--------------------|------------------------|-----------------------|---------|----------|------|----|------------|-----------|------------------|-----------------|------|------------------------------|----------------------|---------------|------------|--------------------|
| | Ph. (206) 285-8282 | Seattle, WA 98119-2029 | 2019 16th Avenue West | | | | | Stock Pile | proximity | Giny sond Packet | Sample ID | | City, State, ZIP PhoneEma | Address | Company Kazan | Report To | 09261 Jordan Kain, |
| | Received by: | Relinquished by: | Received by | SI | | | | 20 | 02 - | 01 A-B | Lab ID | | | | | stored to | Liferen D. |
| | | | y energy | GNATURE | | | | | `. | 9/15/16 | Date Sampled | | W Kinzania | | | 10-11-1 | |
| | | | in~ | | | | | | | | Time Sampled | | -(0-1) | - Cal | PROJEC | SAMPLE | SAMPLE |
| | | × | C | | | | | | | 50:1 | Sample Type | | | Max | T NAME | RS (signat | CHAIN |
| | | | - 00 - 00 - 00 | PRIN | | | | 2 | 4 | 4 | # of Jars | | | | \langle | ure) | OF C |
| | | E | | TNA | | | | | | | TPH-HCID | | | | | | ISU |
| | | 7 | 12 | ME | | | | X | X= X | ~ | TPH-Diesel | | | | | Ð | OD |
| | | | | | | | + | , ~ | X | 7 | BTEX by 8021B | | | | | Ê. | Y |
| | | | | | | | | | | | VOCs by 8260C | ANA | | 2 | | 1 | X |
| | | 7 | | | | | | | | | SVOCs by 8270D | LYSE | | -16 | PO | En) | תו |
| | | 25 | Ka | | | | ļ | | | | PAHs 8270D SIM | S RE | | J. J. |) # | 5 | 99. |
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| Yed a | | 4 | 15 | DATI | | | | | | | | | nples | autho | "Inar | ROUN | 31/ |
| | | | 6 | | | | | | | | Note | | lays | rized | Sund | | |
| 6 | | 4 | 1:30 | TIME | | | *• | | | | Ø | | l f | by: | | ME - | 181 |

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

September 22, 2016

Steven Padilla, Project Manager Krazan & Associates 4303 198th Street SW Lynnwood, WA 98036

Dear Mr. Padilla:

Included are the results from the testing of material submitted on September 19, 2016 from the CarMax No. 7250, PO 096-16252, F&BI 609315 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Jordan Kain krz0922R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 19, 2016 by Friedman & Bruya, Inc. from the Krazan & Associates CarMax No. 7250, PO 096-16252, F&BI 609315 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | Krazan & Associates |
|----------------------|---------------------|
| 609315 -01 | N-1 |
| 609315 -02 | S-1 |
| 609315 -03 | E-1 |
| 609315 -04 | W-1 |
| 609315 -05 | B-1 |

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/19/16 Project: CarMax No. 7250, PO 096-16252, F&BI 609315 Date Extracted: 09/19/16 Date Analyzed: 09/19/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

| Sample ID Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | Ethyl <u>Benzene</u> | Total <u>Xylenes</u> | Gasoline <u>Range</u> | Surrogate (<u>% Recovery)</u> (Limit 50-150) |
|----------------------------|----------------|----------------|-------------------------|-------------------------|--------------------------|---|
| N-1 609315-01 | < 0.02 | < 0.02 | < 0.02 | < 0.06 | <2 | 80 |
| S-1 609315-02 | <0.02 | <0.02 | < 0.02 | <0.06 | <2 | 81 |
| E-1 609315-03 | <0.02 | <0.02 | < 0.02 | <0.06 | <2 | 80 |
| W-1 609315-04 | <0.02 | < 0.02 | < 0.02 | < 0.06 | <2 | 79 |
| B-1 609315-05 | <0.02 | <0.02 | < 0.02 | <0.06 | <2 | 75 |
| Method Blank 06-1909 MB | < 0.02 | < 0.02 | < 0.02 | < 0.06 | <2 | 81 |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/19/16 Project: CarMax No. 7250, PO 096-16252, F&BI 609315 Date Extracted: 09/19/16 Date Analyzed: 09/19/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Surrogato

| <u>Sample ID</u> Laboratory ID | Diesel Range (C10-C25) | Motor Oil Range (C25-C36) | <u>(% Recovery)</u> (Limit 56-165) |
|-----------------------------------|---------------------------|------------------------------|---------------------------------------|
| N-1 609315-01 | <50 | <250 | 93 |
| S-1 609315-02 | <50 | <250 | 93 |
| E-1 609315-03 | <50 | <250 | 93 |
| W-1 609315-04 | <50 | <250 | 100 |
| B-1 609315-05 | <50 | <250 | 87 |
| Method Blank 06-1940 MB | <50 | <250 | 100 |

ENVIRONMENTAL CHEMISTS

| Client ID: | N-1 | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-------------------------------|
| Date Received: | 09/19/16 | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | 609315-01 |
| Date Analyzed: | 09/19/16 | Data File: | 609315-01.067 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 1.59 | | |
| Cadmium | <1 | | |
| Chromium | 7.72 | | |
| Lead | 1.17 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | S-1 | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-------------------------------|
| Date Received: | 09/19/16 | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | 609315-02 |
| Date Analyzed: | 09/19/16 | Data File: | 609315-02.068 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 1.49 | | |
| Cadmium | <1 | | |
| Chromium | 13.2 | | |
| Lead | 1.62 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | E-1 | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-------------------------------|
| Date Received: | 09/19/16 | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | 609315-03 |
| Date Analyzed: | 09/19/16 | Data File: | 609315-03.069 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 1.53 | | |
| Cadmium | <1 | | |
| Chromium | 7.94 | | |
| Lead | 1.28 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | W-1 | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-------------------------------|
| Date Received: | 09/19/16 | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | 609315-04 |
| Date Analyzed: | 09/19/16 | Data File: | 609315-04.070 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 1.73 | | |
| Cadmium | <1 | | |
| Chromium | 11.1 | | |
| Lead | 1.52 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | B-1 | Client: | Krazan & Associates |
|-----------------|------------------------|-------------|-------------------------------|
| Date Received: | 09/19/16 | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | 609315-05 |
| Date Analyzed: | 09/19/16 | Data File: | 609315-05.071 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| | Concentration | | |
| Analyte: | mg/kg (ppm) | | |
| Arsenic | 1.47 | | |
| Cadmium | <1 | | |
| Chromium | 8.14 | | |
| Lead | 1.01 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

| Client ID: | Method Blank | Client: | Krazan & Associates |
|-----------------|------------------------------|-------------|-------------------------------|
| Date Received: | NA | Project: | CarMax No. 7250, PO 096-16252 |
| Date Extracted: | 09/19/16 | Lab ID: | I6-617 mb |
| Date Analyzed: | 09/19/16 | Data File: | I6-617 mb.029 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |
| Analyte: | Concentration mg/kg (ppm) | | |
| Arsenic | <1 | | |
| Cadmium | <1 | | |
| Chromium | <5 | | |
| Lead | <1 | | |
| Mercury | <1 | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/19/16 Project: CarMax No. 7250, PO 096-16252, F&BI 609315

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 609301-01 (Duplicate)

| | | Sample | Duplicate | |
|--------------|-----------------|----------|-----------|------------|
| | | Result | Result | RPD |
| Analyte | Reporting Units | (Wet Wt) | (Wet Wt) | (Limit 20) |
| Benzene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Toluene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | < 0.02 | < 0.02 | nm |
| Xylenes | mg/kg (ppm) | < 0.06 | < 0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| | | Percent | | | | | | | |
|--------------|-----------------|---------|----------|------------|--|--|--|--|--|
| | | Spike | Recovery | Acceptance | | | | | |
| Analyte | Reporting Units | Level | LCS | Criteria | | | | | |
| Benzene | mg/kg (ppm) | 0.5 | 94 | 69-120 | | | | | |
| Toluene | mg/kg (ppm) | 0.5 | 92 | 70-117 | | | | | |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 92 | 65-123 | | | | | |
| Xylenes | mg/kg (ppm) | 1.5 | 91 | 66-120 | | | | | |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 | | | | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/19/16 Project: CarMax No. 7250, PO 096-16252, F&BI 609315

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 609311-03 (Matrix Spike)

| | | | Sample | Percent | Percent | | | | | | |
|--|------------------------|-------|----------|---------------------|----------|------------|------------|--|--|--|--|
| | Reporting | Spike | Result | Recovery | Recovery | Acceptance | RPD | | | | |
| Analyte | Units | Level | (Wet Wt) | MS | MSD | Criteria | (Limit 20) | | | | |
| Diesel Extended | mg/kg (ppm) | 5,000 | <50 | 118 | 112 | 63-146 | 5 | | | | |
| Laboratory Code: Laboratory Control Sample | | | | | | | | | | | |
| | | | Percent | | | | | | | | |
| | Reporting | Spike | Recovery | Recovery Acceptance | | | | | | | |
| Analyte | Units | Level | LCS | Crite | eria | | | | | | |
| Diesel Extended | l Extended mg/kg (ppm) | | 121 | 79-1 | 44 | | | | | | |
| | | | | | | | | | | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 09/22/16 Date Received: 09/19/16 Project: CarMax No. 7250, PO 096-16252, F&BI 609315

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 609260-01 x2 (Matrix Spike)

| | | | Sample | Percent | Percent | | |
|----------|-------------|-------|----------|----------|----------|------------|------------|
| | Reporting | Spike | Result | Recovery | Recovery | Acceptance | RPD |
| Analyte | Units | Level | (Wet wt) | MS | MSD | Criteria | (Limit 20) |
| Arsenic | mg/kg (ppm) | 10 | 6.18 | 75 | 84 | 70-130 | 11 |
| Cadmium | mg/kg (ppm) | 10 | <2 | 95 | 98 | 70-130 | 3 |
| Chromium | mg/kg (ppm) | 50 | 25.9 | 91 | 96 | 70-130 | 5 |
| Lead | mg/kg (ppm) | 50 | 7.65 | 90 | 91 | 70-130 | 1 |
| Mercury | mg/kg (ppm | 10 | <2 | 95 | 94 | 70-130 | 1 |

Laboratory Code: Laboratory Control Sample

| | | | Percent | |
|---|---|----------------------------|------------------------------|--|
| | Reporting | Spike | Recovery | Acceptance |
| Analyte | Units | Level | LCS | Criteria |
| Arsenic | mg/kg (ppm) | 10 | 96 | 85-115 |
| Cadmium | mg/kg (ppm) | 10 | 96 | 85-115 |
| Chromium | mg/kg (ppm) | 50 | 106 | 85-115 |
| Lead | mg/kg (ppm) | 50 | 100 | 85-115 |
| Mercury | mg/kg (ppm) | 10 | 99 | 85-115 |
| Arsenic Cadmium Chromium Lead Mercury | mg/kg (ppm) mg/kg (ppm) mg/kg (ppm) mg/kg (ppm) mg/kg (ppm) | 10 10 50 50 10 | 96 96 106 100 99 | 85-115 85-115 85-115 85-115 85-115 85-115 |

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

 ${\bf b}$ - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

 $hr\ \text{-}\ The\ sample\ and\ duplicate\ were\ reextracted\ and\ reanalyzed.\ RPD\ results\ were\ still\ outside\ of\ control\ limits.\ Variability\ is\ attributed\ to\ sample\ inhomogeneity.$

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

| | Ph. (206) 285-8282 | Seattle, WA 98119-2029 | JUIZ 10" Avenue West | onio ich de diuju, ilic. | Friedman & Brunn Inc | | | | | 5- | > ₹ _ | E-1 | 5-1 | V-1 | Sample ID | | PhoneE | City, State, ZIP | Address | Company Krazan | 609315 meport To Steven Pa |
|-----------|--------------------|------------------------|----------------------|-------------------------------|----------------------|---------------|---|----------|--|--------------|--------------|---------------------|--------------|-------------------------|------------------------|-----|--------------------------|------------------|---------------------|----------------|-------------------------------|
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