KARY ENVIRONMENTAL SERVICES INC.
"THE KEY TO YOUR ENVIRONMENTAL SOLUTIONS"

July 17, 2012

Kary Environmental Services, Inc. Project Number: 120476

Mr. Terry L. Hill
Environmental Specialist
White Mountain Apache Tribe
Environmental Protection Office
PO Box 2109
202 East Walnut Street
Whiteriver, AZ. 85941
Office (928) 338-2484
FAX (928) 338-5195
E-mail: thill@wmat.us

- All 7 bag headspace samples had PID hits (max 104 ppm)
- No obvious staining.
- USTs in good shape.
- Previous piping just sheared off and not capped, so venting into overlying soils occurred.
- No VOC or GRO/DRO/ORO detections
- 4 lower conc. PAH detections in 1 soil pile sample
- 8K UST was diesel possibly for vehicle fueling.
- 4K UST believed to be heating oil.

RE: LETTER REPORT FOR THE UST REMOVALS, INVESTIGATIVE SAMPLING AND CLOSURE OF TWO FORMER UNDERGROUND STORAGE TANKS DISCOVERED AT REMOVAL SITE LOCATED AT THE FORMER INDIAN HEALTH SERVICES HOSPITAL CHAGHACHE DAY CARE CENTER 309 2ND AVENUE WHITERIVER, ARIZONA 85941

- Somewhat elevated lead (56 ppm vs. 7.1-19 ppm) in fuel line sample.

Dear Mr. Hill:

Kary Environmental Services, Inc. (KES) Kary Environmental Services, Inc. (KES) is pleased to submit this letter report and attached closure document to the White Mountain Apache Tribe's (WMATs) Environmental Protection Office (EPO) for submittal to the United States Environmental Protection Agency (USEPA) for the above listed project.

INTRODUCTION

The information in this report is based on information supplied to KES by Mr. Terry Hill, Environmental Specialist with the WMAT-EPO. Additional information was gathered with discussions at the project site. Sampling requirements for the UST removal was followed as per regulatory requirements as well as input from Mr. Chris Prokop of the USEPA.

KES's understanding is that the site once was the location of a former United States Public Health Service's Indian Health Service's Hospital. The hospital was believed to have been closed down in 1977 when the newer hospital just north of Whiteriver was opened. Demolition of the former hospital occurred sometime around 1980. It appeared that upon closing the hospital that two Underground Storage Tanks (USTs) that still contained product were left in place. It also appeared that rather then remove the USTs that sometime, assumed to be during demolition of the structure, all of the piping attached to the USTs was scraped off or removed leaving the tanks open to the atmosphere but about two-foot below grade.

The USTs appeared to be single wall steel in construction with no secondary containment.

The UST, labeled East Tank, was 4,084-gallons in size, and measured 6'4" wide by 17'4" long and had about 12" of what appeared to be old heating oil still in the tank.

The UST, labeled West Tank, was 8,428-gallons in size, and measured 96" wide by 22' 5" long and had about 4" of what appeared to be old diesel fuel still in the tank.

SITE HISTORY

The IHS hospital was closed in 1977 and in 1997 the Chaghache Day Care Center was built at the former hospital location of 309 2nd Avenue in Whiteriver, Arizona 85941. The Day Care Centers playground was built above and adjacent to the USTs. A swing set was built directly over the USTs. At the request of IHS personnel the swing set was requested to be moved due to the fact it was too close to the concrete walk sidewalk that was located in the playground. It was during the removal of the swing set that the USTs were discovered by Navapache Construction, a private construction company hired to move the swing set and reset in place elsewhere.

Upon the discovery and prior to notifying the WMAT-EPO the USTs were exposed by NavApache Construction and were venting heavily into the atmosphere.

This is the condition of the site upon KES's arrival. The USTs were already exposed and open to the atmosphere for at least one week prior to KES's arrival.

For safety the WMAT-EPO has cancelled school from the school located directly across the road from the USTs and also the Chaghache Day Care Center located at the UST site.

SCOPE OF WORK COMPLETED

KES, upon receipt of a signed contract agreement and notice to proceed arranged for KES personnel to complete the following scope of work on June 26th and 27th, 2012.

- KES notified Mr. Chris Prokop of the USEPA for information and to identify any USEPA requirements for the UST removal.

- KES generated a site specific tail-gate for the site.

  KES assigned the following personnel to the task.

  - Mr. Jerome Kryn acting as the Senior Project Manager and UST Certified Decommissioner (ICC Certified 8144891 UST Decommissioning Expire 02/09/2014 and ADEQ D00273 expire 02/09/2014)
  - Mr. Zach Skinner as SIte Supervisor and Operator
  - Mr. Justin Brisbon and Mr. Ryan Connolly as Technicians.

  All KES personnel were 40-hour HAZWOPER certified.

- **Site Coordinates:** Latitude (North): 33° 50' 09.59" Longitude (West): 109° 58' 09.54" Elevation: 5266 ft. above sea level. 33.835997 -109.969317

- **USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY** - Target Property Map: 33109-G8 WHITERIVER, AZ Most Recent Revision: 1984

- On June 26th, 2012 KES mobilized to the site to remove the USTs. KES met with Mr. Terry Hill of the WMAT-EPO, the head of the WMAT Public Works, the owner of Navapache Construction, two tribal attorneys, and a Lieutenant with the IHS.

- The excavator, front-end loader and operators were supplied by the WMAT Public Works Department and assisted with the UST removal under the guidance of KES.

- Clean backfill was supplied by the WMAT-Public Works Department

- Transportation for the USTs to the recycler once they were removed.

- On June 26, 2012 KES personnel utilizing KES's vacuum tanker and pressure wash trailer removed the existing product and triple rinsed both USTs. The product and rinsate were manifest to Solvent Recyclean, a permitted fuels/oil and water recycler located in Phoenix, Arizona.

- On June 26th, 2012 the two USTs were then inerted using dry ice with the smaller East Tank receiving 215 pounds of ice or 53 pounds per thousand gallons and the large West Tank receiving 325 pounds of ice or 40 pounds per thousand gallons. The tanks were properly sealed and vented to allow the ice to inert the USTs. The removal was schedule for 0600 on June 27th, 2012.

- KES arrived on site on June 27, 2012 at 0600 to remove the USTs. KES held a tailgate safety meeting and prepared the USTs for removal.

- At 0700 the internal atmosphere of the two USTs were tested using a calibrated four-gas MSA unit. The readings were 0 LEL and Oxygen at 2.2 % for the East Tank and 0 LEL and Oxygen at .6 for the West Tank. Tanks were then readied for removal.

- The East Tank was removed at 7:08 AM and the West Tank was removed at 07:55 AM. Both tanks were inspected and found to be in excellent shape with very little surface rust and were loaded for transport on WMAT- Public Work truck. KES handled the two Bill of ladings to the steel recycler for the WMAT-EPO office.

- Once the two USTs were removed and loaded KES collected samples with two being collected beneath each UST, one from each of the soil piles, and one at the end of the 16' run of piping from the UST pit. The description of the samples is listed below. A duplicate sample was also collected at the request of the USEPA.

- On June 27, 2012 all samples were collected from the excavator bucket using methanol extraction kits for EPA Method 8015D for the petroleum hydrocarbon chain for the_GRO's (gasoline) and the EPA Method 8260B Full VOC list for all sample points and split sample. See attached analytical reports for the sample results.

- Additionally, properly decontaminated (triple wash and rinse method utilizing Alconox, DI water, and tap water) Stainless Steel sleeves were used to collect soil samples from the excavator bucket. The analytical to be run for the soils collected in the sleeves were Petroleum Hydrocarbons (8015AZ for ORO/DRO), Total Eight RCRA Metals using EPA Method 6010/7000, and PA Method 8310 for Poly Nuclear Aromatic Hydrocarbons for all samples. See attached analytical reports for the sample results.

- Two samples were collected at an approximate two feet below each UST at both ends. These samples were collected at 10.5 feet below grade on the East Tank and 12 feet below grade on the West Tank.

- A duplicate soil sample was collected below the east end of the West Tank as requested by the USEPA. KES felt this was the best location due to the West Tank having a larger open port at that point.

- One sample was collected at the end of the single piping run on the west end of the tank pit. This sample was collected one foot below the end of the pipe or three foot below grade.

- One sample was collected from each soil pile about after removing two foot from the surface to access the soils deeper in the soil piles.

- KES used a calibrated PID to further sample the soils in the location of the sample collection. Grab samples of the soil at each sampling point were collected and sealed in quart size sealed bags and allowed to heat in the sun for an estimated 30-minutes prior to testing. No VOCs were recorded when tested with the PID on any of the samples. All samples came back with readings but could be attributed to the fact that vapors for years had vented through the soils. The readings were as follows:

  062712-East 1 – 3.1 ppm
  062712-East 2 – 47.1 ppm
  062712-West 1 – 20.3 ppm
  062712-West 2 – 5.3 ppm
  Soil Pile – West – 104.0 ppm
  Soil Pile – East – 3.2 ppm
  Fuel Line – West – 0 ppm

  The results can be attributed to moisture interference in the bag but it is KES professional opinion that the number of years of off gassing when heated by the sun that the tank vapors were trapped in the air pockets in the soils. Soils weren't impacted but the vapors were still trapped in the soils.

- KES supplied a Certified Tank Decommissioner to handle all sampling and consulting services that included the following:

  - Plan and execute the UST removal process
  - Document the removal, sampling, and discussions
  - Collection of all samples per the UESPA UST Closure requirements.
  - UST Closure Report to the USEPA through WMAT

- The work conducted by KES during this project followed the UST closure requirements set forth in Federal and White Mountain Apaches Tribe rules, statutes, regulations and policies, as well as guidelines in under the direction of KES' management personnel.

- KES made every effort to acquire history of the former use of the USTs through conversation and discussions with the WMAT, IHS, BIA, and the USEPA. No additional records of the USTs could be discovered either through IHS, the USEPA, the BIA and/or White Mountain Apache Tribe environmental records at the time of the writing of this report.

- Photographs of the UST removal project are attached to the back of this letter report.
- Topographic maps and site aerials are attached to this letter report.
- All Bills of Lading for the UST removal task covering the USTs and the Rinsate/Fuel are attached to this letter report
- Analytical Reports for all sampling locations are attached to this letter report.
- Completion and submittal of USEPA Form 7530-1 (Rev 9-2008) Notification for Underground Storage Tanks attached to this report
- Completion of Underground Tank (UST) Permanent Closure Assessment Report Form. KES used ADEQ's report format but did not turn it in to the State since the jurisdiction is Indian Land and therefore Tribal Law and Federal Law.

CONCLUSIONS AND RECOMMENDATIONS

Based on the condition of the tanks, the site characterization, and the results of the sample collection KES would consider this site clean and recommends based on the UST closure report that the site be closed.

KES appreciates the opportunity to complete this professional environmental services task consisting of the UST removals and closure of the former UST site for the WMAT-EPO. If you have any questions regarding this project or require additional information, please contact the undersigned at (480) 945-0009.

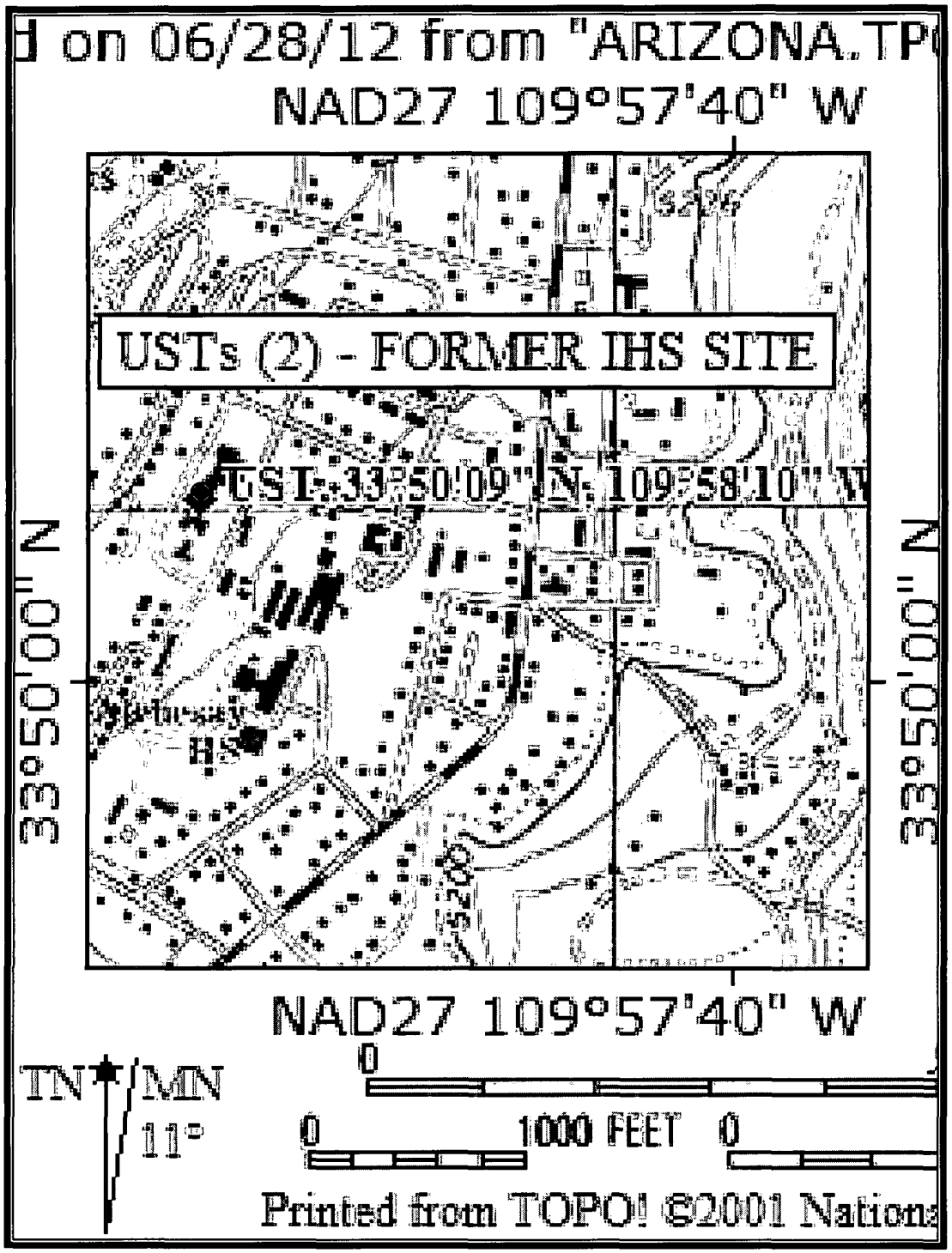
Respectfully submitted,
Kary Environmental Services, Inc.

Jerome A. Kryn
Senior Project Manager
Office: 480-945-0009
Cell: 480-945-8599

Attachements

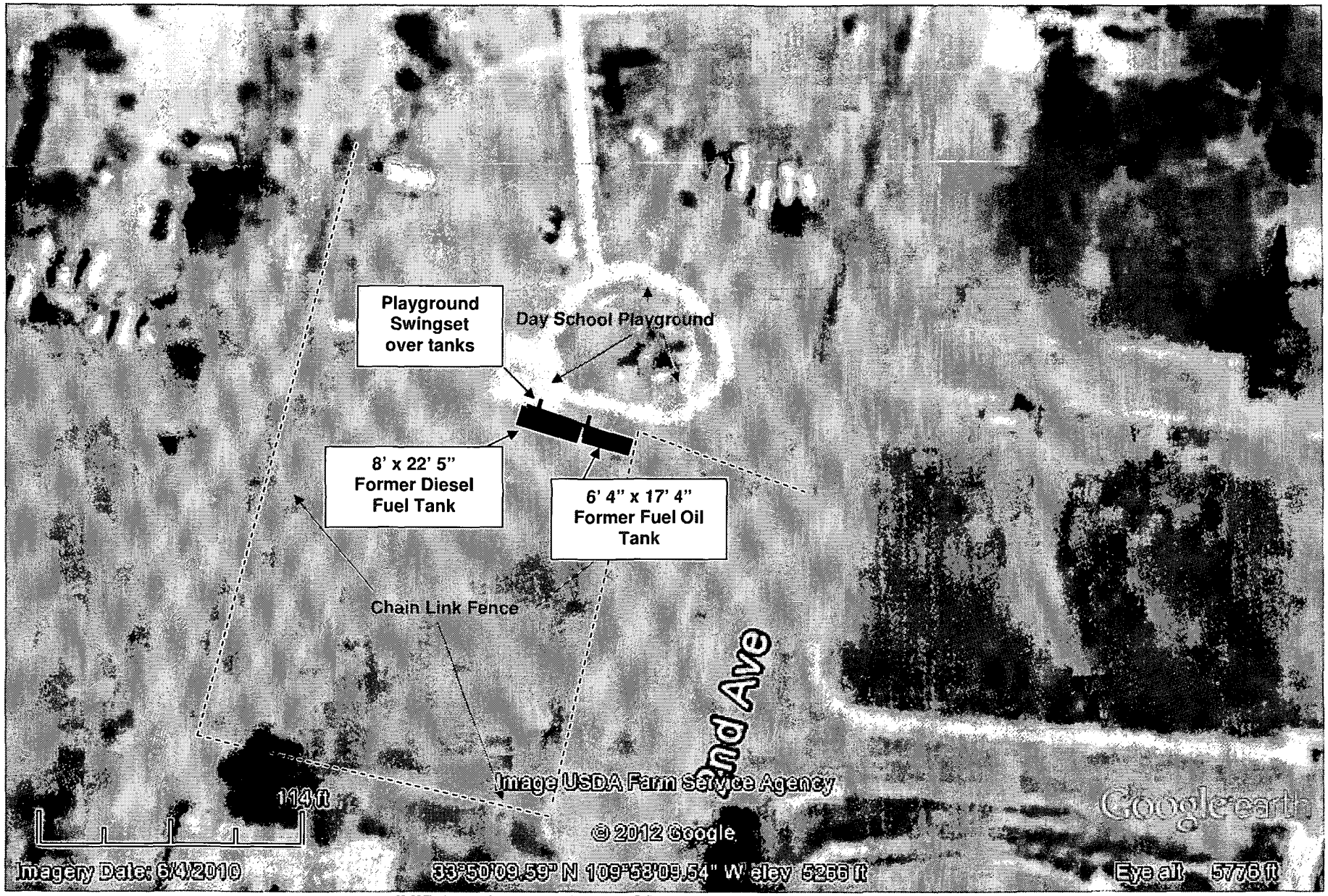
SITE TOPOGRAPHIC MAP

WHITE MOUNTAIN APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
FORMER INDIAN HEALTH SERVICES HOSPITAL
CHAGHACHE DAY CARE CENTER
309 2ND AVENUE
WHITERIVER, ARIZONA 85941



KARY ENVIRONMENTAL SERVICES, INC. PROJECT NUMBER: 120476

SITE AERIAL PHOTOGRAPH

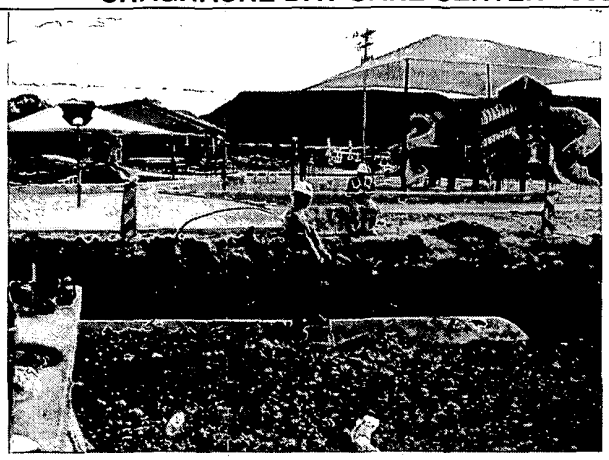


KARY ENVIRONMENTAL SERVICES, INC. PROJECT NUMBER: 120476

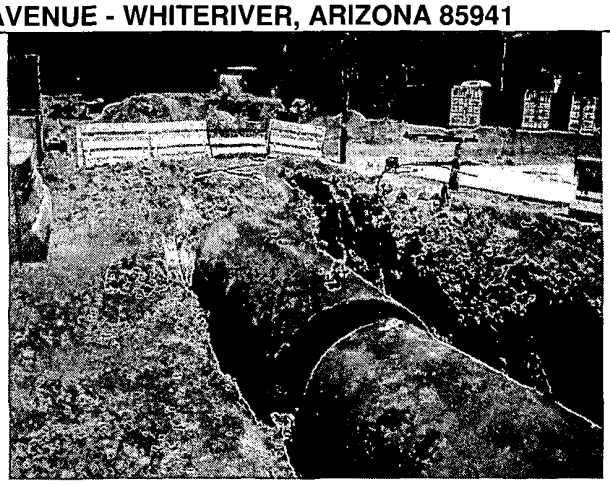
PHOTOGRAPHIC RECORD

PHOTOGRAPH LOG

INVESTIGATIVE SAMPLING AND CLOSURE REPORT
WHITE MOUNTAIN APACHE TRIBE - ENVIRONMENTAL PROTECTION OFFICE
FORMER INDIAN HEALTH SERVICES HOSPITAL SITE
CHAGHACHE DAY CARE CENTER - 309 2ND AVENUE - WHITERIVER, ARIZONA 85941



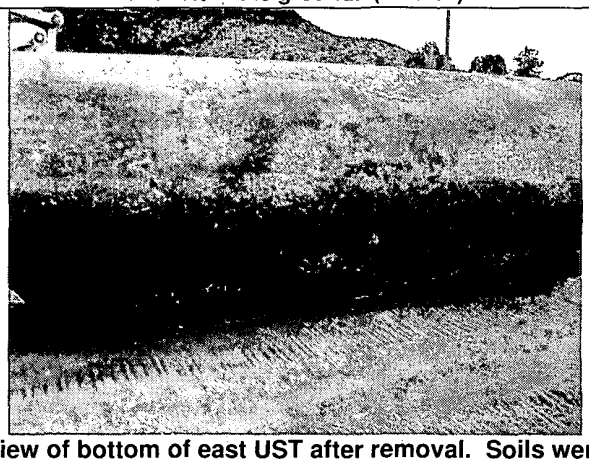
View looking north / northeast showing relationship of USTs to playground. Swing set was located directly over the tank in foreground. (6-27-12)



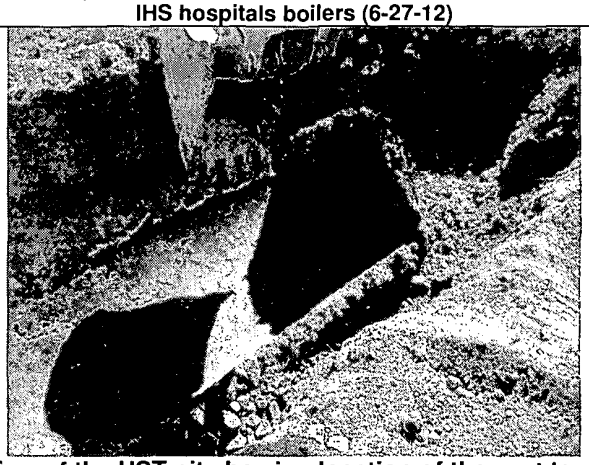
View looking west with smaller fuel oil tank in foreground and larger diesel tank in background. Note removed swing set in background of photo. (6-26-12)

View of both USTs as discovered on arrival. Both USTs had open holes where pipes were shaved off by equipment earlier and left in the ground. (6-26-12)

View of east UST (4,084-gallons) being removed. This tank had a heavy fuel oil believed to have once powered the former IHS hospitals boilers (6-27-12)



View of bottom of east UST after removal. Soils were extremely dry in the tank area. Tank in exceptionally good shape. (6-27-12)

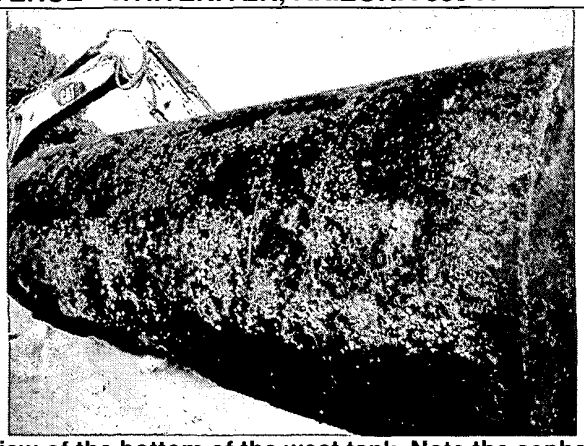


View of the UST pit showing location of the east tank. No staining evident in excavation pit (6-27-12)

PHOTOGRAPH LOG

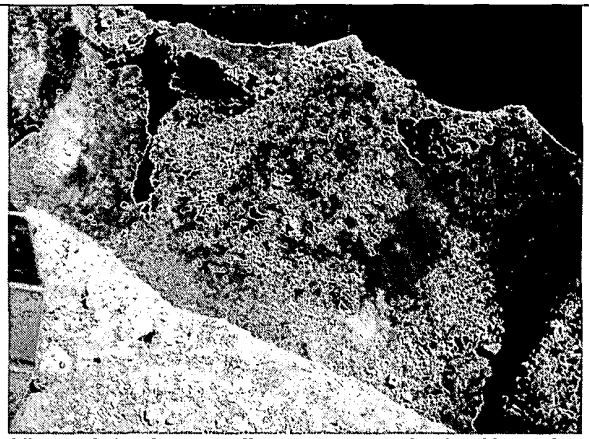
INVESTIGATIVE SAMPLING AND CLOSURE REPORT
WHITE MOUNTAIN APACHE TRIBE - ENVIRONMENTAL PROTECTION OFFICE
FORMER INDIAN HEALTH SERVICES HOSPITAL SITE
CHAGHACHE DAY CARE CENTER - 309 2ND AVENUE - WHITERIVER, ARIZONA 85941

View of larger west UST, former diesel tank (8,428-gallons) being removed. Again note playground in background. (6-27-12)



View of the bottom of the west tank. Note the asphalt coating on the lower portion of the tank. (6-27-12)

View looking at the bottom of the west diesel UST. Tank in exceptional shape. (6-27-12)



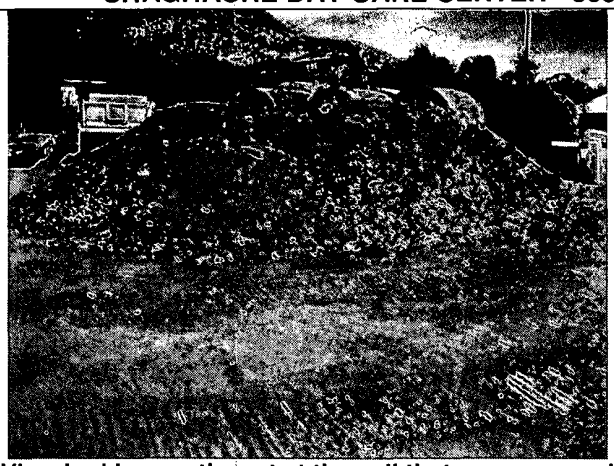
View of the former diesel west tank pit. Note the cinders in the bottom of excavation. Appears to have been put in as part of tank installation. (6-27-12)

View of the tank pit looking east from the west end. UST samples were collected 2' below tanks. Note the piping on the site in foreground. (6-27-12)

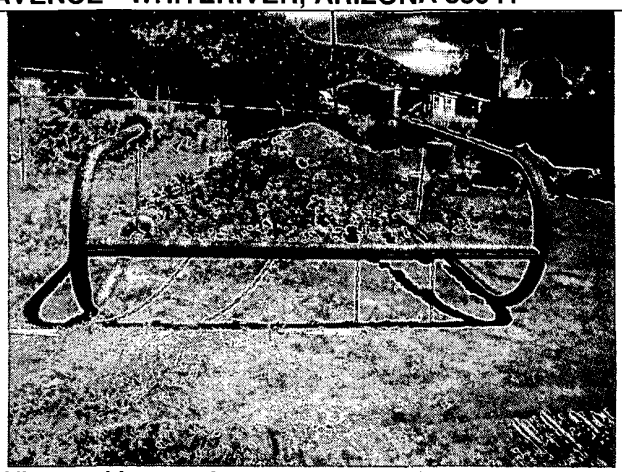
Piping that ran west from the tank pit about 16' where it ended at a concrete block. This could of been the location of a former boiler or generator (6-27-12)

PHOTOGRAPH LOG

INVESTIGATIVE SAMPLING AND CLOSURE REPORT
WHITE MOUNTAIN APACHE TRIBE - ENVIRONMENTAL PROTECTION OFFICE
FORMER INDIAN HEALTH SERVICES HOSPITAL SITE
CHAGHACHE DAY CARE CENTER - 309 2ND AVENUE - WHITERIVER, ARIZONA 85941



View looking northwest at the soil that was removed from around the western most tank area. Pile had both soil and cinders intermixed. Extremely dry Discreet sample collected with Sample number: Soil Pile – West. (6-27-12)



View looking northwest at the soil that was removed from around the eastern most tank. Soil was primarily clay like. No cinders. Discreet sample collected. Sample number: Soil Pile – East. Note the swing set that was once located directly above the two USTs. (6-27-12)

UNDERGROUND STORAGE TANK
PERMANENT CLOSURE ASSESSMENT REPORT FORM

(used for documentation only – not turned into ADEQ)

UNDERGROUND STORAGE TANKS

UNDERGROUND STORAGE TANK
PERMANENT CLOSURE ASSESSMENT REPORT FORM
For Permanent Closure or Change-in-Service

NOTE: (used for documentation only – not turned into ADEQ)

Waste Programs Division
UST Coordination Unit
1110 West Washington Street, Phoenix, Arizona 85007
www.azdeq.gov (602) 771-4303 ç 1-800-234-5677
Revised: November 2009

UNDERGROUND STORAGE TANK (UST) PERMANENT CLOSURE
ASSESSMENT REPORT FORM

1. **FACILITY NAME: _Former IHS Hospital UST Site_____ FACILITY ID No. ____N/a_____**

2a. ADEQ Closure No. ___N/a_____ 2b. Fire Authority Closure Permit No.____N/a_____

3. LOCATION OF TANK(S)

309 2nd Avenue
Street Address (P.O. Box NOT acceptable)
Whiteriver **AZ** **85941**
City State Zip Code
Navajo
County

Legal Location (Township, Range, Section, Quarter, Quarter, Quarter)

Site Coordinates:
Latitude (North): 33° 50' 09.59"
Longitude (West): 109° 58' 09.54"
Elevation: 5266 ft. above sea level

4. OWNERSHIP OF TANK(S)

White Mountain Apache Tribe EPO Office – Former IHS Hospital Site
Owner Name
Terry Hill – Environmental Specialist
Contact Person Job Title
PO Box 2109, 202 East Walnut Street
Mailing Address
Whiteriver **AZ** **85941**
City State Zip Code
(928) 338-2484
Telephone Number (include area code)

5. CONTRACTOR, LABORATORY AND CONSULTANT INFORMATION

Contractor	**Kary Environmental Services, Inc.**	Phone No.: **480-945-0009**
Certified Individual	**Jerome A. Kryn**	ADEQ Certification No.: **D00273 exp 2-9-14** ICC Certification No.: **8144891 exp 2-9-14**
ROC License No.	**ROC 151767**	Type of License: A B-1 B-2 L-57 **L-5** Other _____
Laboratory Name	**Environmental Science Laboratory (ESC)**	ADHS License No.: **AZ0612**
Laboratory Contact Name	**Daphne Richards**	Contact Phone No.: **615-758-5858**
Consultant Name	**Kary Environmental Services, Inc.** **Jerome A. Kryn**	Contact Phone No.: **480-945-0009**

6. SITE INFORMATION

a. Number of active tanks* at facility prior to closure or change-in-service (CIS): ____**2**_____
(* Do not include previously closed tanks)
b. Number of tanks being closed or undergoing a CIS: _____**2**_____
c. Will new tanks be installed? Yes **X** No
If yes, how many:_____ When?_____
d. Depth to groundwater (if known):
Source:**50-125 feet in area** Date: **2010**

7. SITE PREPARATION

a. Date and time tank(s) emptied of all product and accumulated sludge:
Date: **6-26-12** Time: **1300 hours**
b. Date and time of inerting or purging:
Date: **6-26-12** Time: **1300 hours**
c. Method of inerting or purging: _____
Dry Ice at >40lbs per 1,000 gallons
d. Date of closure or change-in-service:
Date: **6-27-12 Tank Removed**

8. INERT SOLID MATERIAL USED TO CLOSE TANK IN-PLACE

_X_ Not Applicable - Tank(s) Excavated ___ Not Applicable – Change In Service (CIS)

__ Sand __ Foam __ Concrete __ Other:_____

9. DIMENSION OF TANK EXCAVATION(S) (measurements in feet)

__ Not Applicable - CIS or in-place closure

Excavation I Length _55'6'__ Width _16'_ Depth __8'5" for East Tank and 10' for West Tank **Excavation III** Length _____ Width _____ Depth _____	**Excavation II** Length _____ Width _____ Depth _____ **Excavation IV** Length _____ Width _____ Depth _____

10. TANK INFORMATION

Table I - Tank(s) undergoing permanent closure

Tank ID No.	Size (gallons)	Material of Construction	Contents Stored	Holes in Tank (yes or no)	Holes in Piping (yes or no)	Proposed unregulated * substance
East	**4,084**	**Steel**	**Old Fuel Oil**	**No**	**N/a**	
West	**8,428**	**Steel**	**Old Diesel**	**No**	**N/a**	

* Complete only if the tank is undergoing a CIS

11. VISUAL EXCAVATION ASSESSMENT

Did the following conditions exist at the excavation site:

Stained Soil: __ Yes _X_ No	Water in Excavation __ Yes _X_ No
Petroleum Odor in Soil: __ Yes _X_ No	Sheen or Free Product on Water: __ Yes _X_ No
Free Product in Excavation: __ Yes _X_ No	Evidence of Spill and/or Overfill: __ Yes _X_ No

NOTE: If at any time during the closure or CIS activity, contamination is discovered or believed to have existed, the USEPA must be notified within twenty-four (24) hours of discovery. The release or suspected release should be reported by calling the USEPA.

12.SOIL INVESTIGATION PROCEDURES

NOTE: Ensure that all soil sampling equipment has been decontaminated prior to sampling.

a. Were all soil samples collected by pushing or driving clean sleeves, constructed of an inert material, into the soil contained in the backhoe or trackhoe bucket per the Sampling Guidelines in the *Underground Storage Tank Permanent Closure Guidance Document*?
X_ Yes ___ No

If no, describe why not and alternative mode used: _____

b. Describe how sleeves were sealed and labeled: **_All sleeves sealed with teflon, then foil, then plastic cap, and then custody sealed__Methanol extraction bottles custody sealed and place in bubble wrap sleeves**

c. Were all soil samples preserved at approximately 4 degrees Centigrade prior to delivery to the laboratory?

_**X**_ Yes ___ No

d. Do field investigations indicate contamination? ___ Yes **X** No
If yes, what was the methodology used and where were the hot spots located?
_____

e. Estimated volume of excavated soil (cubic yards): _____

NOTE: Excavated soil should be tested to determine if it is petroleum-contaminated soil (PCS) that must be disposed properly.

13. SITE MAP (To be provided as an attachment to this report form and prepared to scale)

a. Are all tanks, dispensers and associated piping shown on the site map? _**X**_ Yes ___ No

If no, describe why not:
_____

b. Are the length, width, depth and location of pipe unions and areas of corrosion for each piping run (trench) shown on the map? _ **X**_ Yes ___ No

If no, describe why not: **___Piping was removed prior to tanks being exposed- most likely when the IHS hospital was demolised___Only one small 16' section of pipe remained visible**

c. Are all excavations and stockpiles, including stockpiled Petroleum Contaminated Soil (PCS), shown on the map? _ **X**_ Yes _ No

If no, describe why not:
_____**No stockpiled PCS...Fill went back into tanks pit when done**_____

c. Are all sampling locations and areas of contamination shown on map?
X_ Yes ___ No

If no, describe why not: _____**No areas of contamination**_____

e. Are all cross streets and major structures (i.e. buildings) near the excavation zone(s) shown on map?

_ **X**_ Yes ___ No

If no, describe why not:

_____

14. LABORATORY RESULTS

a. Submit the laboratory analytical results in Table II and Table III (if applicable)following the Sampling Guidelines outlined in the *UST Permanent Closure Guidance Document.*

b. Identify all samples (including stockpile samples), location of each sample, depth of each sample, soil lithology of each sample and analytical test results of each sample in the table below.

c. Laboratory Reporting Limits: Indicate reporting limits for range(s) of compounds separately. If non-detected, do not write non-detect or "ND." List the numerical reporting limit, for example, "<0.25 mg/kg".

Table II - Soil Analytical Results

Name of Chemicals sampled & corresponding analytical methods				TPH Method 8015A Z[1]	Benzene	Toluene	Ethyl-Benzene	Xylenes	VOCs[2]	PAHs[2]	Metals
					Method 8021 or 8260				Method 8260	Method 8310	Method See[3]
Laboratory Reporting Limits(mg/kg)					0.046	0.046	0.23	0.34			See 'C'
Sample ID #	Location of sample	Depth (bgs)	Soil Type	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
062712-East 1	East Tank East end 10.5' bgs	10.5	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
062712-East 2	East Tank West End 10.5' bgs	10.5	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
062712-West1	West Tank East end 12' bgs	12	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
062712-West2	West Tank West end 12' bgs	12	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
Duplicate 1	West Tank – East end 12' bgs	12	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
Soil Pile-West	Soil Pile from west tank area	n/a	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL	X	See "C" below
Soil Pile-East	Soil pile from East tank area	n/a	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
Fuel Line-West	End of remaining 16' fuel line 3' bgs	3	See "A" below	See "B" below	BDL	BDL	BDL	BDL	BDL		See "C" below
"A" Soil type determined by the WMAT – Public Works Department as a "sticky Clay/sand". Backfill though was dry and appeared to have a mix of light gravel and cinders in it. Also the asphaltic coating on the larger tanks had deteriated and was interspersed throughout the backfill that came from the area of the west tank											
"B" Detection level for Petroleum Hydrocarbons was 8.8 ppm/kg for GRO and 30 ppm/kg for C10-C32 and 50 ppm/kg for C22-C32 All results were below detection limits											
"C' Metals detected were Aresenic, Barium, Chromium, and Lead all at constistent low levels below any regulatory level. The levels are oonsistent with background levels found in earlier samping events in the general area.											

[1] Provide a break-down of reporting limits and concentrations of total petroleum hydrocarbons (TPH) as follows: gasoline range, diesel range and oil range.
[2] If VOCs, PAHs or Metals are detected, use an X to identify the appropriate sample and use Table III to provide analytical data.
[3] Use EPA 6000/7000 series Test Methods

mg/kg = milligram per kilogram, bgs = below ground surface, ppm = parts per million

d. Provide copies of the laboratory results, including Quality Assurance/Quality Control (QA/QC) information and an original, legible chain-of-custody as an attachment to this report form. Refer to ASTM Standard D 4840-88 for chain-of-custody procedures.

e. Holding time (hours):_____ NOTE: Soil samples to be analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) or other Volatile Organic Compounds (VOCs) should be extracted within 72 hours of collection. ADEQ may extend the 72 hour limit to 120 hours with site-specific pre-approval. ADEQ may not consider samples exceeding the extraction holding time as valid and may require additional sampling.

f. If an extension to the holding time has been granted by ADEQ, furnish below the date of extension and the name of the person that granted extension:

Date: _____ ADEQ Authorized Representative: _____

15. THE SPACE BELOW IS PROVIDED FOR ADDITIONAL COMMENTS:

Based on the condition of the tanks, the site characterization, and the results of the sample collection KES would consider this site clean and recommends based on the UST closure report that the site be closed

16. UST PERMANENT CLOSURE ASSESSMENT REPORT PREPARED BY:

Signature: _____ Date: **7-17-12**

Name Printed: **Jerome A. Kryn**

Company Name: **Kary Environmental Services, Inc.** Position Title: **Senior Project Manager**

Street Address: **641 South Drew Street**

City: **Mesa** State: **AZ** Zip: **85210**

Phone Number: **480-945-0009** Fax Number: **480-945-599**

Where registration is required by the Board of Technical Registration, please affix seal below: **N/A**

---

17. QUESTIONS:

ADEQ would appreciate receiving the consultant's response to the following question: "In your professional opinion, has there been a release of a regulated substance at this site?"

___ Yes _X_ No ___ Needs further assessment

18. VOC, PAH and METAL RESULTS (Complete only if applicable)

a. Use Table III to identify the concentrations of the VOCs, PAHs and Metals detected for each applicable sample.

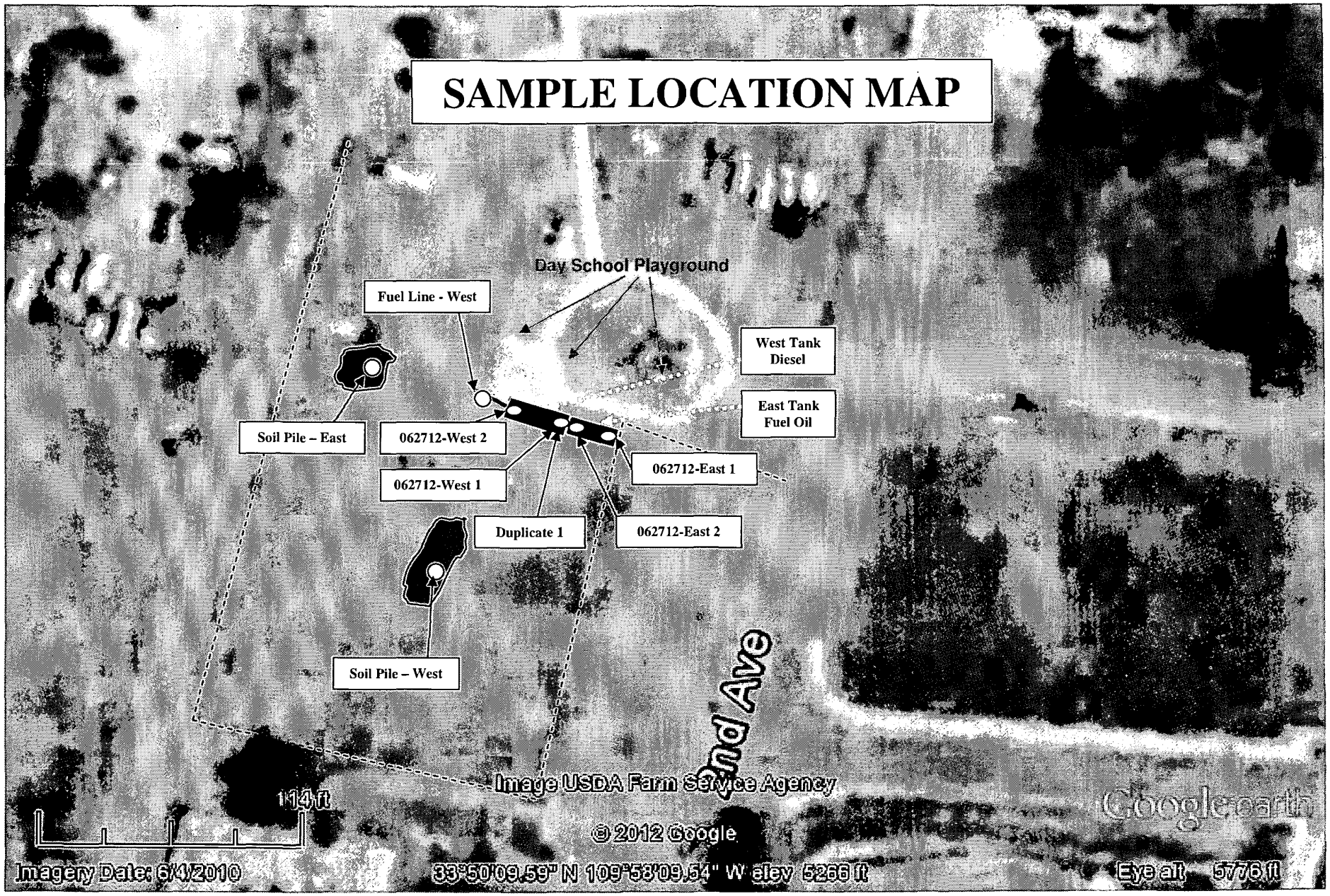
b. In cases where a compound is detected in some but not all samples, list the numerical reporting limit for each sample in which the compound was not detected to indicate that. Do not write "non-detect" or "ND" only.

c. Holding time (hours):_____

Table III

VOCs , PAHs and Metals Detected	Laboratory Reporting Limit mg/kg (ppm)	Concentration in mg/kg (ppm)						
		Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
Acenaphthene 0.020	0.020	Soil Pile - West						
Fluoranthene 0.027	0.020							
Phenanthrene 0.050	0.020							
Pyrene 0.025	0.020							
NOTE **The soil pile tested as Soil Pile – West was the backfill removed from the larger diesel tank labeled West Tank. The tank had an aged asphalt coating that caused interference in the sample analysis. The tank was clean with no apparent staining on the tank or in the surrounding soils with the exception of the asphalt coating.**								

SAMPLE LOCATION MAP


SAMPLE LOCATION MAP
Day School Playground
Fuel Line - West
West Tank Diesel
East Tank Fuel Oil
Soil Pile – East
062712-West 2
062712-West 1
062712-East 1
Duplicate 1
062712-East 2
Soil Pile – West
Image USDA Farm Service Agency
114 ft
© 2012 Google
Imagery Date: 6/4/2010
33°50'09.59" N 109°58'09.54" W elev 5266 ft
Eye alt 5776 ft

COMPLETED

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION FOR UNDERGROUND STORAGE TANKS

EPA FORM 7530-1 (Rev. 9-2008)

United States
Environmental Protection Agency
Washington DC 20460

Form Approved
OMB No 2050-0068
Approval Expires 9-30-2014

Notification for Underground Storage Tanks

State Agency Name and Address
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
1110 W. WASHINGTON ST
PHOENIX AZ 85007

STATE USE ONLY
ID NUMBER
DATE RECEIVED
DATE ENTERED INTO COMPUTER
DATA ENTRY CLERK INITIALS
OWNER WAS CONTACTED TO CLARIFY RESPONSES COMMENTS

TYPE OF NOTIFICATION

☐ A NEW FACILITY ☐ B AMENDED ☒ C CLOSURE

2 Number of tanks at facility ____ Number of continuation sheets attached

INSTRUCTIONS AND GENERAL INFORMATION

Please type or print in ink. Also, be sure you have signatures in ink for sections VIII and XI. Complete a notification form for each location containing underground storage tanks. If more than 5 tanks are owned at this location, you may photocopy pages 3 through 5 and use them for additional tanks.

The primary purpose of this notification program is to locate and evaluate underground storage tank systems (USTs) that store or have stored petroleum or hazardous substances. The information you provide will be based on reasonably available records, or in the absence of such records, your knowledge or recollection.

Federal law requires UST owners to use this notification form for all USTs storing regulated substances that are brought into use after May 8, 1986, or USTs in the ground as of May 8, 1986 that have stored regulated substances at any time since January 1, 1974. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

Who Must Notify? Section 9002 of RCRA, as amended, requires owners of USTs that store regulated substances (unless exempted) to notify designated State or local agencies of the existence of their USTs. "Owner" is defined as

- In the case of an UST in use on November 8, 1984, or brought into use after that date, any person who owns an UST used for storage, use, or dispensing of regulated substances; or
- In the case of an UST in use before November 8, 1984, but no longer in use on that date, any person who owned the UST immediately before its discontinuation.

Also, if the State so requires, any facility that has made any changes to facility information or UST system status, must submit a notification form (only amended information needs to be included).

What USTs Are Included? An UST system is defined as any one or combination of tanks that (1) is used to contain an accumulation of regulated substances, and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Regulated USTs store petroleum or hazardous substances (see the following "What Substances Are Covered").

What Tanks Are Excluded From Notification?

- Tanks removed from the ground before May 8, 1986.
- Farm or residential tanks of 1,100 gallons or less capacity storing motor fuel for noncommercial purposes.
- Tanks storing heating oil for use on the premises where stored.
- Septic tanks;
- Pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
- Surface impoundments, pits, ponds, or lagoons.
- Storm water or waste water collection systems.
- Flow-through process tanks.
- Liquid traps or associated gathering lines directly related to oil or gas production and gathering operations
- Tanks on or above the floor of underground areas, such as basements or tunnels;
- Tanks with a capacity of 110 gallons or less.

What Substances Are Covered? The notification requirements apply to USTs containing petroleum or certain hazardous substances. Petroleum includes gasoline, used oil, diesel fuel, crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute). Hazardous substances are those found in Section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA.

Where To Notify? Send completed forms to

When To Notify? 1. Owners of USTs in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring USTs into use after May 8, 1986, must notify within 30 days of bringing the UST into use. 3. If the State requires notification of any amendments to facility, send information to State agency immediately.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $11,000 for each tank for which notification is not given or for which false information is given.

I. OWNERSHIP OF UST(s)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
White Mountain Apache Tribe - EPO Office

Street Address (Former IHS Hospital UST's)
PO Box 2109
202 East Walnut Street

County Navajo

City Whiteriver | State AZ | Zip Code 85941

Phone Number (Include Area Code) (928) 338 7434

II. LOCATION OF UST(s)

If required by State, give the geographic location of USTs to degrees, minutes, and seconds. Example: Latitude 42° 36' 12" N Longitude 85° 24' 17" W
Latitude 33° 50' 09.59" Longitude 109° 58' 09.54"

Facility Name or Company site identifier, as applicable
Chaghachi Day Care Center (Former IHS Hospital)

☐ If address is the same as in Section I, check the box and proceed to section III
If address is different, enter address below

Street Address 304 2nd Avenue

County Navajo

City Whiteriver | State AZ | Zip Code 85941

United States
Environmental Protection Agency
Washington DC 20460

Form Approved
OMB No 2050-0068
Approval Expires 9-30-2014

Notification for Underground Storage Tanks

III. TYPE OF OWNER

- [ ] Federal Government
- [ ] State Government [ ] Commercial
- [X] Local Government [ ] Private

IV. INDIAN COUNTRY

USTs are located on land within an Indian Reservation or on trust lands outside reservation boundaries [X]

USTs are owned by a Native American nation or tribe [X]

Tribe or Nation where USTs are located: White Mountain Apache Tribe

V. TYPE OF FACILITY

- [ ] Gas Station
- [ ] Petroleum Distributor
- [ ] Air Taxi (Airline)
- [ ] Aircraft Owner
- [ ] Auto Dealership
- [ ] Railroad
- [ ] Federal - Non-Military
- [ ] Federal - Military
- [ ] Industrial
- [ ] Contractor
- [ ] Trucking/Transport
- [ ] Utilities
- [ ] Residential
- [ ] Farm
- [X] Other (Explain) (Former IHS Hospital Site)

VI. CONTACT PERSON IN CHARGE OF TANKS

Name	Job Title	Address	Phone Number (Include Area Code)
Mr Terry Hill	Environmental Specialist	White Mountain Apache Tribe EPO Office PO Box 2126 Whiteriver AZ 85941	(928) 338-2484

VII. FINANCIAL RESPONSIBILITY

[ ] I have met the financial responsibility requirements in accordance with 40 CFR 280 Subpart H) by using the following mechanisms

Check All that Apply

- [ ] Self Insurance
- [ ] Commercial Insurance
- [ ] Risk Retention Group
- [ ] Local Government Financial Test
- [ ] Guarantee
- [ ] Surety Bond
- [ ] Letter of Credit
- [ ] Bond Rating Test
- [ ] State Funds
- [ ] Trust Fund
- [X] Other Method (describe here) IHS Abandoned USTs

VIII. CERTIFICATION (Read and sign after completing ALL SECTIONS of this notification form)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in Sections I through XI of this notification form and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete

Name and official title of owner or owner's authorized representative (Print)	Signature	Date Signed
Jerome A. Kryn	Jerome A. Kryn	7-17-12

Paperwork Reduction Act Notice

EPA estimates public reporting burden for this form to average 30 minutes per response including time for reviewing instructions gathering and maintaining the data needed and completing and reviewing the form. Send comments regarding this burden estimate to Director OIE Regulatory Information Division (2137) U.S. Environmental Protection Agency 401 M Street Washington D.C. 20460 marked Attention Desk Officer for EPA. This form amends the previous notification form as posted in 40 CFR Part 280 Appendix I. Previous editions of this notification form may be used while supplies last

EPA

United States
Environmental Protection Agency
Washington, DC 20460

Form Approved
OMB No. 2050-0068
Approval Expires 9-30-2014

Notification for Underground Storage Tanks

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for all tanks and piping at this location.)

Tank Identification Number	Tank No EAST	Tank No WEST	Tank No	Tank No	Tank No
1. Status of Tank (check only one) Currently In Use	☐	☐	☐	☐	☐
Temporarily Closed	☐	☐	☐	☐	☐
Permanently Closed	☒	☒	☐	☐	☐
2. Date of Installation (month/year)	prior to 1967	Unk	Unk		
3. Estimated Total Capacity (gallons)	4,091	8,428			
4. Material of Construction (check all that apply)					
Asphalt Coated or Bare Steel	☒	☒	☐	☐	☐
Cathodically Protected Steel	☐	☐	☐	☐	☐
Coated and Cathodically Protected Steel	☐	☐	☐	☐	☐
Composite (Steel Clad with Fiberglass)	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Lined Interior	☐	☐	☐	☐	☐
Excavation Liner	☐	☐	☐	☐	☐
Double Walled	☐	☐	☐	☐	☐
Polyethylene Tank Jacket	☐	☐	☐	☐	☐
Concrete	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
If Other, please specify here					
Check box if tank has ever been repaired	☐	☐	☐	☐	☐
5. Piping Material (check all that apply) Bare Steel	☒	☒	☐	☐	☐
Galvanized Steel	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Copper	☐	☐	☐	☐	☐
Cathodically Protected	☐	☐	☐	☐	☐
Double Walled	☐	☐	☐	☐	☐
Secondary Containment	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, please specify					
6. Piping Type (Check all that apply) "Safe" Suction (no valve at tank)	☐	☐	☐	☐	☐
"U.S." Suction (valve at tank)	☐	☐	☐	☐	☐
Unk Pressure	☐	☐	☐	☐	☐
Gravity Feed	☐	☐	☐	☐	☐
Check box if piping has ever been repaired	☐	☐	☐	☐	☐

United States
Environmental Protection Agency
Washington DC 20460

Form Approved
OMB No 2050-0068
Approval Expires 9-30-2014

Notification for Underground Storage Tanks

Tank Identification Number	Tank No EAST	Tank No. WEST	Tank No	Tank No	Tank No
7. Substance Currently Stored (or last stored in the case of closed tanks) (Check all that apply) — Gasoline	☐	☐	☐	☐	☐
Diesel	☐	☒	☐	☐	☐
Gasohol	☐	☐	☐	☐	☐
Kerosene	☐	☐	☐	☐	☐
Heating Oil	☒	☐	☐	☐	☐
Used Oil	☐	☐	☐	☐	☐
If Other, please specify here					
Hazardous Substance	☐	☐	☐	☐	☐
CERCLA name and/or					
CAS number					
Mixture of Substances	☐	☐	☐	☐	☐
Please specify here					

8. Release Detection (check all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
Manual tank gauging	☐		☐		☐		☐		☐	
Tank tightness testing	☐		☐		☐		☐		☐	
Inventory Control	☐		☐		☐		☐		☐	
Automatic tank gauging	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Vapor monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Groundwater monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Automatic line leak detectors		☐		☐		☐		☐		☐
Line tightness testing		☐		☐		☐		☐		☐
No release detection required (such as some types of suction piping emergency generator tanks or field constructed tanks)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Other method allowed by implementing agency (such as SIR)	☐		☐		☐		☐		☐	
Please specify other method here	Unk		Unk							
	Not applicable		Not applicable							
9. Spill and Overfill Protection	NONE		NONE							
Overfill device installed	☐		☐		☐		☐		☐	
Spill device installed	☐		☐		☐		☐		☐	

United States
Environmental Protection Agency
Washington, DC 20460

Form Approved
OMB No 2050-0068
Approval Expires 9-30-2014

Notification for Underground Storage Tanks

Tank Identification Number	Tank No EAST	Tank No WEST	Tank No	Tank No	Tank No
X. CLOSURE OR CHANGE IN SERVICE					
1 **Closure or Change in Service**					
Estimated date the UST was last used for storing regulated substances (month/day/year)	1977 box check still in tank	1977 box check still in tank			
Check box if this is a change in service	☒	☒	☐	☐	☐
2 **Tank Closure**					
Estimated date tank closed (month/day/year)	6 27 12	6 27 12			
(check all that apply below)					
Tank was removed from ground	☒	☒	☐	☐	☐
Tank was closed in ground	☐	☐	☐	☐	☐
Tank filled with inert material	☐	☐	☐	☐	☐
Describe the inert fill material here					
3. **Site Assessment**					
Check box if the site assessment was completed	☒	☒	☐	☐	☐
Check box if evidence of a leak was detected	☐	☐	☐	☐	☐
XI. CERTIFICATION OF INSTALLATION (COMPLETE FOR UST SYSTEMS INSTALLED AFTER DECEMBER 22, 1988)					
Installer Of Tank And Piping Must Check All That Apply:					
Installer certified by tank and piping manufacturers	☐	☐	☐	☐	☐
Installer certified or licensed by the implementing agency	☐	☐	☐	☐	☐
Installation inspected by a registered engineer	☐	☐	☐	☐	☐
Installation inspected and approved by implementing agency	☐	☐	☐	☐	☐
Manufacturer's installation checklists have been completed	☐	☐	☐	☐	☐
Another method allowed by State agency If so, please specify here	☐	☐	☐	☐	☐

Signature of UST Installer Certifying Proper Installation of UST System

Name Signature Date

Position Company

SHIPPING DOCUMENTS

UNDERGROUND STORAGE TANKS
AND
RINSATE FROM TANKS

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record

Shipper No. 002

Carrier No. 0002

Page 1 of 1

White Mountain Apache Tribe - Publ. Wo... (Name of carrier) (SCAC)

Date 6 27 12

On Collect on Delivery shipments the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec 1

TO:
Consignee: S+D Auto Wrecking
Street: 1590 E. Frost
City: Show Low State: AZ Zip Code: 85901

FROM: Shipper: White Mountain Apache Tribe (Former HS Site)
Street: 309 2nd Ave
City: Whiteriver State: AZ Zip Code: 85941
24 hr. Emergency Contact Tel. No. 480 945 0009

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group / UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 CM		Former Diesel Tank - Triple Rinsed Inerted 8,000 gal Steel UST				
		Make Check Payable to:				
		White Mountain Apache Tribe Environmental Protection Off. P.O Box 2109 Whiteriver AZ 85941 Attn: Terry Hill				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D TO ADDRESS

COD Amt $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

C.O.D FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID (except when box at right is checked) ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER: WMAT Publ. Work / EPO
PER: [signature]
DATE: 6 27 12

CARRIER: WMAT - Publ. Work
PER: [signature]
DATE: 6 27 12

3

Permanent post-office address of shipper

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record

Shipper No. [illegible]

Carrier No. [illegible]

Page 1 of 1

White Mountain Apache Tribe - Publ Work
(Name of carrier) (SCAC)

Date 6 27 12

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec 1

TO:
Consignee S & D Auto Wrecking 928-537-7132
Street 1590 E Frost
City Show Low State AZ Zip Code 85901

FROM:
Shipper White Mountain Apache Tribe (Former IHS Site)
Street 309 2nd Avenue
City Whiteriver State AZ Zip Code 85941
24 hr Emergency Contact Tel. No. [illegible]

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group / UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 CM		Former Fuel Oil Tank - Triple Rinsed and Inerted 4,000 gal Steel UST	3190	lb.		
		Make Check Payable to:				
		White Mountain Apache Tribe				
		Environmental Protection Office				
		P.O. 2109				
		Whiteriver, AZ 85941				
		Attn: Terry L. Hill				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded and are in all respects in proper condition for transport according to applicable international and national governmental regulations

Signature

REMIT COD TO ADDRESS

COD Amt. $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

COD FEE PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collected

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER WMAT - Publ. Work / EPO
PER [signature]
6 27 12

CARRIER WMAT Publ. Work
PER [signature]
DATE 6 27 12

3

Permanent post-office address of shipper

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Order Must be legibly filled in in Ink Indelible Pencil or in Carbon, and retained by the agent

Shipper No. 0003

Carrier No. 0003

Page 1 of 1

KARI ENVIRONMENTAL SERVICES (Name of carrier) (SCAC)

Date 06/26/12

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

TO:
Consignee Solvent Recyclean
Street 1850 W Broadway
City Phoenix State AZ Zip Code 85041

FROM:
Shipper White Mountain Apache Tribe
Street Chaghachi Day School 309 2nd Avenue
City White River State AZ Zip Code 85941
24 hr. Emergency Contact Tel. No. 480 945 0009

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 CM		Rinsate / Residue from two	500	gal		
		Former USTs located at old				
		IHS hospital Site				
		Job: 120476				
		Received - STC 6-26-12				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ per ____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO ADDRESS

COD Amt. $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

PREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER White Mountain Apache Tribe - EPO
PER [signature] 6-26-12

CARRIER Kari Environmental
PER [signature]
DATE 6-26-12

2

Permanent post-office address of shipper

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Tax I.D. 62-0814289

Est. 1970

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

Report Summary

Wednesday July 11, 2012

Report Number: L582913
Samples Received: 06/29/12
Client Project: 120476

Description: WMAT UST - Day School

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Daphne R Richards
Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-01

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-EAST 1 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:28

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	2.5	1.0	mg/kg	6010B	07/06/12	1
Barium	120	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	17.	0.50	mg/kg	6010B	07/06/12	1
Lead	7.1	0.25	mg/kg	6010B	07/06/12	1
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	0.50	mg/kg	6010B	07/06/12	1
C6-C10 Hydrocarbons	BDL	8.8	mg/kg	8015D/GRO_AZ	07/01/12	88
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	122.		% Rec.	8015D/GRO_AZ	07/01/12	88
Volatile Organics						
Acetone	BDL	2.3	mg/kg	8260B	06/30/12	45.5
Acrylonitrile	BDL	0.46	mg/kg	8260B	06/30/12	45.5
Benzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Bromobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Bromodichloromethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Bromoform	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Bromomethane	BDL	0.23	mg/kg	8260B	06/30/12	45.5
1,3-Butadiene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
n-Butylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
sec-Butylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
tert-Butylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Carbon disulfide	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Carbon tetrachloride	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Chlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Chlorodibromomethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Chloroethane	BDL	0.23	mg/kg	8260B	06/30/12	45.5
Chloroform	BDL	0.23	mg/kg	8260B	06/30/12	45.5
Chloromethane	BDL	0.11	mg/kg	8260B	06/30/12	45.5
2-Chlorotoluene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
4-Chlorotoluene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Cyclohexane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,2-Dibromo-3-Chloropropane	BDL	0.23	mg/kg	8260B	06/30/12	45.5
1,2-Dibromoethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Dibromomethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,2-Dichlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,3-Dichlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,4-Dichlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Dichlorodifluoromethane	BDL	0.23	mg/kg	8260B	06/30/12	45.5
1,1-Dichloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L582913-01 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-01

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-EAST 1 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:28

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1-Dichloroethene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
cis-1,2-Dichloroethene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
trans-1,2-Dichloroethene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,2-Dichloropropane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1-Dichloropropene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,3-Dichloropropane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
cis-1,3-Dichloropropene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
trans-1,3-Dichloropropene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
2,2-Dichloropropane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Dicyclopentadiene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Di-isopropyl ether	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Ethylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
4-Ethyltoluene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Hexachloro-1,3-butadiene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
n-Hexane	BDL	0.46	mg/kg	8260B	06/30/12	45.5
Isopropylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
p-Isopropyltoluene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
2-Butanone (MEK)	BDL	0.46	mg/kg	8260B	06/30/12	45.5
Methylene Chloride	BDL	0.23	mg/kg	8260B	06/30/12	45.5
4-Methyl-2-pentanone (MIBK)	BDL	0.46	mg/kg	8260B	06/30/12	45.5
Methyl tert-butyl ether	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Methyl Cyclohexane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Naphthalene	BDL	0.23	mg/kg	8260B	06/30/12	45.5
Propene	BDL	0.11	mg/kg	8260B	06/30/12	45.5
n-Propylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Styrene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1,1,2-Tetrachloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1,2,2-Tetrachloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1,2-Trichlorotrifluoroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Tetrachloroethene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Toluene	BDL	0.23	mg/kg	8260B	06/30/12	45.5
1,2,3-Trichlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,2,4-Trichlorobenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1,1-Trichloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,1,2-Trichloroethane	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Trichloroethene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Trichlorofluoromethane	BDL	0.23	mg/kg	8260B	06/30/12	45.5
1,2,3-Trichloropropane	BDL	0.11	mg/kg	8260B	06/30/12	45.5
1,2,4-Trimethylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,2,3-Trimethylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
1,3,5-Trimethylbenzene	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Vinyl chloride	BDL	0.046	mg/kg	8260B	06/30/12	45.5
Xylenes, Total	BDL	0.14	mg/kg	8260B	06/30/12	45.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L582913-01 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-01

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-EAST 1 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:28

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/30/12	45.5
Dibromofluoromethane	99.0		% Rec.	8260B	06/30/12	45.5
4-Bromofluorobenzene	106.		% Rec.	8260B	06/30/12	45.5
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	76.1		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	91.3		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25
L582913-01 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-02

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712- EAST 2 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	1.8	1.0	mg/kg	6010B	07/06/12	1
Barium	150	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	24.	0.50	mg/kg	6010B	07/06/12	1
Lead	9.5	0.25	mg/kg	6010B	07/06/12	1
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	0.50	mg/kg	6010B	07/06/12	1
C6-C10 Hydrocarbons	BDL	10.	mg/kg	8015D/GRO_AZ	07/01/12	103
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	122.		% Rec.	8015D/GRO_AZ	07/01/12	103
Volatile Organics						
Acetone	BDL	3.0	mg/kg	8260B	06/30/12	59.5
Acrylonitrile	BDL	0.60	mg/kg	8260B	06/30/12	59.5
Benzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Bromobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Bromodichloromethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Bromoform	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Bromomethane	BDL	0.30	mg/kg	8260B	06/30/12	59.5
1,3-Butadiene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
n-Butylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
sec-Butylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
tert-Butylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Carbon disulfide	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Carbon tetrachloride	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Chlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Chlorodibromomethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Chloroethane	BDL	0.30	mg/kg	8260B	06/30/12	59.5
Chloroform	BDL	0.30	mg/kg	8260B	06/30/12	59.5
Chloromethane	BDL	0.15	mg/kg	8260B	06/30/12	59.5
2-Chlorotoluene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
4-Chlorotoluene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Cyclohexane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,2-Dibromo-3-Chloropropane	BDL	0.30	mg/kg	8260B	06/30/12	59.5
1,2-Dibromoethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Dibromomethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,2-Dichlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,3-Dichlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,4-Dichlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Dichlorodifluoromethane	BDL	0.30	mg/kg	8260B	06/30/12	59.5
1,1-Dichloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L582913-02 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-02

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712- EAST 2 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1-Dichloroethene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
cis-1,2-Dichloroethene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
trans-1,2-Dichloroethene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,2-Dichloropropane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1-Dichloropropene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,3-Dichloropropane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
cis-1,3-Dichloropropene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
trans-1,3-Dichloropropene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
2,2-Dichloropropane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Dicyclopentadiene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Di-isopropyl ether	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Ethylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
4-Ethyltoluene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Hexachloro-1,3-butadiene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
n-Hexane	BDL	0.60	mg/kg	8260B	06/30/12	59.5
Isopropylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
p-Isopropyltoluene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
2-Butanone (MEK)	BDL	0.60	mg/kg	8260B	06/30/12	59.5
Methylene Chloride	BDL	0.30	mg/kg	8260B	06/30/12	59.5
4-Methyl-2-pentanone (MIBK)	BDL	0.60	mg/kg	8260B	06/30/12	59.5
Methyl tert-butyl ether	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Methyl Cyclohexane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Naphthalene	BDL	0.30	mg/kg	8260B	06/30/12	59.5
Propene	BDL	0.15	mg/kg	8260B	06/30/12	59.5
n-Propylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Styrene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1,1,2-Tetrachloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1,2,2-Tetrachloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1,2-Trichlorotrifluoroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Tetrachloroethene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Toluene	BDL	0.30	mg/kg	8260B	06/30/12	59.5
1,2,3-Trichlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,2,4-Trichlorobenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1,1-Trichloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,1,2-Trichloroethane	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Trichloroethene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Trichlorofluoromethane	BDL	0.30	mg/kg	8260B	06/30/12	59.5
1,2,3-Trichloropropane	BDL	0.15	mg/kg	8260B	06/30/12	59.5
1,2,4-Trimethylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,2,3-Trimethylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
1,3,5-Trimethylbenzene	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Vinyl chloride	BDL	0.060	mg/kg	8260B	06/30/12	59.5
Xylenes, Total	BDL	0.18	mg/kg	8260B	06/30/12	59.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L582913-02 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-02

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712- EAST 2 10.5FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/30/12	59.5
Dibromofluoromethane	97.8		% Rec.	8260B	06/30/12	59.5
4-Bromofluorobenzene	105.		% Rec.	8260B	06/30/12	59.5
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	75.9		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	90.1		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25
L582913-02 (GROAZ) - Cannot run lower, due to dilution factor on MeOH vial.

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-03

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:52

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	3.0	1.0	mg/kg	6010B	07/06/12	1
Barium	130	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	25.	0.50	mg/kg	6010B	07/06/12	1
Lead	10.	0.25	mg/kg	6010B	07/06/12	1
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	0.50	mg/kg	6010B	07/06/12	1
C6-C10 Hydrocarbons	BDL	4.0	mg/kg	8015D/GRO_AZ	07/01/12	40.5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	123.		% Rec.	8015D/GRO_AZ	07/01/12	40.5
Volatile Organics						
Acetone	BDL	2.5	mg/kg	8260B	06/30/12	50
Acrylonitrile	BDL	0.50	mg/kg	8260B	06/30/12	50
Benzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Bromobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Bromodichloromethane	BDL	0.050	mg/kg	8260B	06/30/12	50
Bromoform	BDL	0.050	mg/kg	8260B	06/30/12	50
Bromomethane	BDL	0.25	mg/kg	8260B	06/30/12	50
1,3-Butadiene	BDL	0.050	mg/kg	8260B	06/30/12	50
n-Butylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
sec-Butylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
tert-Butylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Carbon disulfide	BDL	0.050	mg/kg	8260B	06/30/12	50
Carbon tetrachloride	BDL	0.050	mg/kg	8260B	06/30/12	50
Chlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Chlorodibromomethane	BDL	0.050	mg/kg	8260B	06/30/12	50
Chloroethane	BDL	0.25	mg/kg	8260B	06/30/12	50
Chloroform	BDL	0.25	mg/kg	8260B	06/30/12	50
Chloromethane	BDL	0.12	mg/kg	8260B	06/30/12	50
2-Chlorotoluene	BDL	0.050	mg/kg	8260B	06/30/12	50
4-Chlorotoluene	BDL	0.050	mg/kg	8260B	06/30/12	50
Cyclohexane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,2-Dibromo-3-Chloropropane	BDL	0.25	mg/kg	8260B	06/30/12	50
1,2-Dibromoethane	BDL	0.050	mg/kg	8260B	06/30/12	50
Dibromomethane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,2-Dichlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,3-Dichlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,4-Dichlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Dichlorodifluoromethane	BDL	0.25	mg/kg	8260B	06/30/12	50
1,1-Dichloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-03

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:52

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1-Dichloroethene	BDL	0.050	mg/kg	8260B	06/30/12	50
cis-1,2-Dichloroethene	BDL	0.050	mg/kg	8260B	06/30/12	50
trans-1,2-Dichloroethene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,2-Dichloropropane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1-Dichloropropene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,3-Dichloropropane	BDL	0.050	mg/kg	8260B	06/30/12	50
cis-1,3-Dichloropropene	BDL	0.050	mg/kg	8260B	06/30/12	50
trans-1,3-Dichloropropene	BDL	0.050	mg/kg	8260B	06/30/12	50
2,2-Dichloropropane	BDL	0.050	mg/kg	8260B	06/30/12	50
Dicyclopentadiene	BDL	0.050	mg/kg	8260B	06/30/12	50
Di-isopropyl ether	BDL	0.050	mg/kg	8260B	06/30/12	50
Ethylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
4-Ethyltoluene	BDL	0.050	mg/kg	8260B	06/30/12	50
Hexachloro-1,3-butadiene	BDL	0.050	mg/kg	8260B	06/30/12	50
n-Hexane	BDL	0.50	mg/kg	8260B	06/30/12	50
Isopropylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
p-Isopropyltoluene	BDL	0.050	mg/kg	8260B	06/30/12	50
2-Butanone (MEK)	BDL	0.50	mg/kg	8260B	06/30/12	50
Methylene Chloride	BDL	0.25	mg/kg	8260B	06/30/12	50
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/kg	8260B	06/30/12	50
Methyl tert-butyl ether	BDL	0.050	mg/kg	8260B	06/30/12	50
Methyl Cyclohexane	BDL	0.050	mg/kg	8260B	06/30/12	50
Naphthalene	BDL	0.25	mg/kg	8260B	06/30/12	50
Propene	BDL	0.12	mg/kg	8260B	06/30/12	50
n-Propylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Styrene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1,1,2-Tetrachloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1,2,2-Tetrachloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1,2-Trichlorotrifluoroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
Tetrachloroethene	BDL	0.050	mg/kg	8260B	06/30/12	50
Toluene	BDL	0.25	mg/kg	8260B	06/30/12	50
1,2,3-Trichlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,2,4-Trichlorobenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1,1-Trichloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
1,1,2-Trichloroethane	BDL	0.050	mg/kg	8260B	06/30/12	50
Trichloroethene	BDL	0.050	mg/kg	8260B	06/30/12	50
Trichlorofluoromethane	BDL	0.25	mg/kg	8260B	06/30/12	50
1,2,3-Trichloropropane	BDL	0.12	mg/kg	8260B	06/30/12	50
1,2,4-Trimethylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,2,3-Trimethylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
1,3,5-Trimethylbenzene	BDL	0.050	mg/kg	8260B	06/30/12	50
Vinyl chloride	BDL	0.050	mg/kg	8260B	06/30/12	50
Xylenes, Total	BDL	0.15	mg/kg	8260B	06/30/12	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-03

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:52

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/30/12	50
Dibromofluoromethane	98.5		% Rec.	8260B	06/30/12	50
4-Bromofluorobenzene	108.		% Rec.	8260B	06/30/12	50
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	85.2		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	71.4		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-04

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 2 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	2.4	1.0	mg/kg	6010B	07/06/12	1
Barium	110	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	27.	0.50	mg/kg	6010B	07/06/12	1
Lead	9.4	0.25	mg/kg	6010B	07/06/12	1
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	0.50	mg/kg	6010B	07/06/12	1
C6-C10 Hydrocarbons	BDL	3.6	mg/kg	8015D/GRO_AZ	07/01/12	35.5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	121.		% Rec.	8015D/GRO_AZ	07/01/12	35.5
Volatile Organics						
Acetone	BDL	2.4	mg/kg	8260B	06/30/12	48.5
Acrylonitrile	BDL	0.48	mg/kg	8260B	06/30/12	48.5
Benzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Bromobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Bromodichloromethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Bromoform	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Bromomethane	BDL	0.24	mg/kg	8260B	06/30/12	48.5
1,3-Butadiene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
n-Butylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
sec-Butylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
tert-Butylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Carbon disulfide	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Carbon tetrachloride	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Chlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Chlorodibromomethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Chloroethane	BDL	0.24	mg/kg	8260B	06/30/12	48.5
Chloroform	BDL	0.24	mg/kg	8260B	06/30/12	48.5
Chloromethane	BDL	0.12	mg/kg	8260B	06/30/12	48.5
2-Chlorotoluene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
4-Chlorotoluene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Cyclohexane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,2-Dibromo-3-Chloropropane	BDL	0.24	mg/kg	8260B	06/30/12	48.5
1,2-Dibromoethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Dibromomethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,2-Dichlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,3-Dichlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,4-Dichlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Dichlorodifluoromethane	BDL	0.24	mg/kg	8260B	06/30/12	48.5
1,1-Dichloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-04

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 2 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1-Dichloroethene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
cis-1,2-Dichloroethene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
trans-1,2-Dichloroethene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,2-Dichloropropane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1-Dichloropropene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,3-Dichloropropane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
cis-1,3-Dichloropropene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
trans-1,3-Dichloropropene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
2,2-Dichloropropane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Dicyclopentadiene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Di-isopropyl ether	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Ethylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
4-Ethyltoluene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Hexachloro-1,3-butadiene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
n-Hexane	BDL	0.48	mg/kg	8260B	06/30/12	48.5
Isopropylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
p-Isopropyltoluene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
2-Butanone (MEK)	BDL	0.48	mg/kg	8260B	06/30/12	48.5
Methylene Chloride	BDL	0.24	mg/kg	8260B	06/30/12	48.5
4-Methyl-2-pentanone (MIBK)	BDL	0.48	mg/kg	8260B	06/30/12	48.5
Methyl tert-butyl ether	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Methyl Cyclohexane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Naphthalene	BDL	0.24	mg/kg	8260B	06/30/12	48.5
Propene	BDL	0.12	mg/kg	8260B	06/30/12	48.5
n-Propylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Styrene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1,1,2-Tetrachloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1,2,2-Tetrachloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1,2-Trichlorotrifluoroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Tetrachloroethene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Toluene	BDL	0.24	mg/kg	8260B	06/30/12	48.5
1,2,3-Trichlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,2,4-Trichlorobenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1,1-Trichloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,1,2-Trichloroethane	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Trichloroethene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Trichlorofluoromethane	BDL	0.24	mg/kg	8260B	06/30/12	48.5
1,2,3-Trichloropropane	BDL	0.12	mg/kg	8260B	06/30/12	48.5
1,2,4-Trimethylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,2,3-Trimethylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
1,3,5-Trimethylbenzene	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Vinyl chloride	BDL	0.048	mg/kg	8260B	06/30/12	48.5
Xylenes, Total	BDL	0.14	mg/kg	8260B	06/30/12	48.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-04

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : 062712-WEST 2 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/30/12	48.5
Dibromofluoromethane	101.		% Rec.	8260B	06/30/12	48.5
4-Bromofluorobenzene	108.		% Rec.	8260B	06/30/12	48.5
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	71.9		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	60.6		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-05

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : DUPLICATE 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:53

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	2.4	1.0	mg/kg	6010B	07/06/12	1
Barium	130	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	25.	0.50	mg/kg	6010B	07/06/12	1
Lead	9.6	0.25	mg/kg	6010B	07/06/12	1
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	0.50	mg/kg	6010B	07/06/12	1
C6-C10 Hydrocarbons	BDL	4.0	mg/kg	8015D/GRO_AZ	07/01/12	39.5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	122.		% Rec.	8015D/GRO_AZ	07/01/12	39.5
Volatile Organics						
Acetone	BDL	2.6	mg/kg	8260B	06/30/12	51.5
Acrylonitrile	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Benzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromodichloromethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromoform	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromomethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,3-Butadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
n-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
sec-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
tert-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Carbon disulfide	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Carbon tetrachloride	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chlorodibromomethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chloroethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Chloroform	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Chloromethane	BDL	0.13	mg/kg	8260B	06/30/12	51.5
2-Chlorotoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
4-Chlorotoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Cyclohexane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dibromo-3-Chloropropane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2-Dibromoethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dibromomethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,4-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dichlorodifluoromethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,1-Dichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-05

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : DUPLICATE 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:53

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
cis-1,2-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
trans-1,2-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
cis-1,3-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
trans-1,3-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
2,2-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dicyclopentadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Di-isopropyl ether	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Ethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
4-Ethyltoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Hexachloro-1,3-butadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
n-Hexane	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Isopropylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
p-Isopropyltoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
2-Butanone (MEK)	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Methylene Chloride	BDL	0.26	mg/kg	8260B	06/30/12	51.5
4-Methyl-2-pentanone (MIBK)	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Methyl tert-butyl ether	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Methyl Cyclohexane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Naphthalene	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Propene	BDL	0.13	mg/kg	8260B	06/30/12	51.5
n-Propylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Styrene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,1,2-Tetrachloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2,2-Tetrachloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2-Trichlorotrifluoroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Tetrachloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Toluene	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2,3-Trichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2,4-Trichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,1-Trichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2-Trichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Trichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Trichlorofluoromethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2,3-Trichloropropane	BDL	0.13	mg/kg	8260B	06/30/12	51.5
1,2,4-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2,3-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3,5-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Vinyl chloride	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Xylenes, Total	BDL	0.15	mg/kg	8260B	06/30/12	51.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-05

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : DUPLICATE 1 12FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 09:53

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/30/12	51.5
Dibromofluoromethane	94.9		% Rec.	8260B	06/30/12	51.5
4-Bromofluorobenzene	105.		% Rec.	8260B	06/30/12	51.5
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	73.8		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	72.4		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-06

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - WEST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:22

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.086	0.020	mg/kg	7471	07/04/12	1
Arsenic	3.0	1.0	mg/kg	6010B	07/06/12	1
Barium	94.	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	19.	0.50	mg/kg	6010B	07/06/12	1
Lead	17.	1.2	mg/kg	6010B	07/06/12	5
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	2.5	mg/kg	6010B	07/06/12	5
C6-C10 Hydrocarbons	BDL	4.0	mg/kg	8015D/GRO_AZ	07/01/12	40.5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	121.		% Rec.	8015D/GRO_AZ	07/01/12	40.5
Volatile Organics						
Acetone	BDL	2.6	mg/kg	8260B	06/30/12	51.5
Acrylonitrile	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Benzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromodichloromethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromoform	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Bromomethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,3-Butadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
n-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
sec-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
tert-Butylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Carbon disulfide	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Carbon tetrachloride	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chlorodibromomethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Chloroethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Chloroform	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Chloromethane	BDL	0.13	mg/kg	8260B	06/30/12	51.5
2-Chlorotoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
4-Chlorotoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Cyclohexane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dibromo-3-Chloropropane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2-Dibromoethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dibromomethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,4-Dichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dichlorodifluoromethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,1-Dichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-06

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - WEST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:22

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
cis-1,2-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
trans-1,2-Dichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
cis-1,3-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
trans-1,3-Dichloropropene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
2,2-Dichloropropane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Dicyclopentadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Di-isopropyl ether	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Ethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
4-Ethyltoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Hexachloro-1,3-butadiene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
n-Hexane	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Isopropylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
p-Isopropyltoluene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
2-Butanone (MEK)	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Methylene Chloride	BDL	0.26	mg/kg	8260B	06/30/12	51.5
4-Methyl-2-pentanone (MIBK)	BDL	0.52	mg/kg	8260B	06/30/12	51.5
Methyl tert-butyl ether	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Methyl Cyclohexane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Naphthalene	BDL	0.26	mg/kg	8260B	06/30/12	51.5
Propene	BDL	0.13	mg/kg	8260B	06/30/12	51.5
n-Propylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Styrene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,1,2-Tetrachloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2,2-Tetrachloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2-Trichlorotrifluoroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Tetrachloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Toluene	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2,3-Trichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2,4-Trichlorobenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,1-Trichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,1,2-Trichloroethane	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Trichloroethene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Trichlorofluoromethane	BDL	0.26	mg/kg	8260B	06/30/12	51.5
1,2,3-Trichloropropane	BDL	0.13	mg/kg	8260B	06/30/12	51.5
1,2,4-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,2,3-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
1,3,5-Trimethylbenzene	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Vinyl chloride	BDL	0.052	mg/kg	8260B	06/30/12	51.5
Xylenes, Total	BDL	0.15	mg/kg	8260B	06/30/12	51.5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-06

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - WEST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:22

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/30/12	51.5
Dibromofluoromethane	95.8		% Rec.	8260B	06/30/12	51.5
4-Bromofluorobenzene	103.		% Rec.	8260B	06/30/12	51.5
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	70.7		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	0.020	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	0.027	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	0.050	0.020	mg/kg	8310	07/08/12	1
Pyrene	0.025	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	63.5		% Rec.	8310	07/08/12	1

NO

YES

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-07

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - EAST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:32

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	07/04/12	1
Arsenic	3.0	1.0	mg/kg	6010B	07/06/12	1
Barium	140	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.25	mg/kg	6010B	07/08/12	1
Chromium	27.	0.50	mg/kg	6010B	07/06/12	1
Lead	19.	1.2	mg/kg	6010B	07/06/12	5
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	2.5	mg/kg	6010B	07/06/12	5
C6-C10 Hydrocarbons	BDL	4.8	mg/kg	8015D/GRO_AZ	07/02/12	48.5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	105.		% Rec.	8015D/GRO_AZ	07/02/12	48.5
Volatile Organics						
Acetone	BDL	4.2	mg/kg	8260B	06/30/12	85
Acrylonitrile	BDL	0.85	mg/kg	8260B	06/30/12	85
Benzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Bromobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Bromodichloromethane	BDL	0.085	mg/kg	8260B	06/30/12	85
Bromoform	BDL	0.085	mg/kg	8260B	06/30/12	85
Bromomethane	BDL	0.42	mg/kg	8260B	06/30/12	85
1,3-Butadiene	BDL	0.085	mg/kg	8260B	06/30/12	85
n-Butylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
sec-Butylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
tert-Butylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Carbon disulfide	BDL	0.085	mg/kg	8260B	06/30/12	85
Carbon tetrachloride	BDL	0.085	mg/kg	8260B	06/30/12	85
Chlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Chlorodibromomethane	BDL	0.085	mg/kg	8260B	06/30/12	85
Chloroethane	BDL	0.42	mg/kg	8260B	06/30/12	85
Chloroform	BDL	0.42	mg/kg	8260B	06/30/12	85
Chloromethane	BDL	0.21	mg/kg	8260B	06/30/12	85
2-Chlorotoluene	BDL	0.085	mg/kg	8260B	06/30/12	85
4-Chlorotoluene	BDL	0.085	mg/kg	8260B	06/30/12	85
Cyclohexane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,2-Dibromo-3-Chloropropane	BDL	0.42	mg/kg	8260B	06/30/12	85
1,2-Dibromoethane	BDL	0.085	mg/kg	8260B	06/30/12	85
Dibromomethane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,2-Dichlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,3-Dichlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,4-Dichlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Dichlorodifluoromethane	BDL	0.42	mg/kg	8260B	06/30/12	85
1,1-Dichloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-07

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - EAST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:32

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1-Dichloroethene	BDL	0.085	mg/kg	8260B	06/30/12	85
cis-1,2-Dichloroethene	BDL	0.085	mg/kg	8260B	06/30/12	85
trans-1,2-Dichloroethene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,2-Dichloropropane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1-Dichloropropene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,3-Dichloropropane	BDL	0.085	mg/kg	8260B	06/30/12	85
cis-1,3-Dichloropropene	BDL	0.085	mg/kg	8260B	06/30/12	85
trans-1,3-Dichloropropene	BDL	0.085	mg/kg	8260B	06/30/12	85
2,2-Dichloropropane	BDL	0.085	mg/kg	8260B	06/30/12	85
Dicyclopentadiene	BDL	0.085	mg/kg	8260B	06/30/12	85
Di-isopropyl ether	BDL	0.085	mg/kg	8260B	06/30/12	85
Ethylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
4-Ethyltoluene	BDL	0.085	mg/kg	8260B	06/30/12	85
Hexachloro-1,3-butadiene	BDL	0.085	mg/kg	8260B	06/30/12	85
n-Hexane	BDL	0.85	mg/kg	8260B	06/30/12	85
Isopropylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
p-Isopropyltoluene	BDL	0.085	mg/kg	8260B	06/30/12	85
2-Butanone (MEK)	BDL	0.85	mg/kg	8260B	06/30/12	85
Methylene Chloride	BDL	0.42	mg/kg	8260B	06/30/12	85
4-Methyl-2-pentanone (MIBK)	BDL	0.85	mg/kg	8260B	06/30/12	85
Methyl tert-butyl ether	BDL	0.085	mg/kg	8260B	06/30/12	85
Methyl Cyclohexane	BDL	0.085	mg/kg	8260B	06/30/12	85
Naphthalene	BDL	0.42	mg/kg	8260B	06/30/12	85
Propene	BDL	0.21	mg/kg	8260B	06/30/12	85
n-Propylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Styrene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1,1,2-Tetrachloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1,2,2-Tetrachloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1,2-Trichlorotrifluoroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
Tetrachloroethene	BDL	0.085	mg/kg	8260B	06/30/12	85
Toluene	BDL	0.42	mg/kg	8260B	06/30/12	85
1,2,3-Trichlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,2,4-Trichlorobenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1,1-Trichloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
1,1,2-Trichloroethane	BDL	0.085	mg/kg	8260B	06/30/12	85
Trichloroethene	BDL	0.085	mg/kg	8260B	06/30/12	85
Trichlorofluoromethane	BDL	0.42	mg/kg	8260B	06/30/12	85
1,2,3-Trichloropropane	BDL	0.21	mg/kg	8260B	06/30/12	85
1,2,4-Trimethylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,2,3-Trimethylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
1,3,5-Trimethylbenzene	BDL	0.085	mg/kg	8260B	06/30/12	85
Vinyl chloride	BDL	0.085	mg/kg	8260B	06/30/12	85
Xylenes, Total	BDL	0.26	mg/kg	8260B	06/30/12	85

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-07

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : SOIL PILE - EAST

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 10:32

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/30/12	85
Dibromofluoromethane	99.4		% Rec.	8260B	06/30/12	85
4-Bromofluorobenzene	104.		% Rec.	8260B	06/30/12	85
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	76.5		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/11/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/11/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/11/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/11/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/11/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/11/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/11/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/11/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/11/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/11/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/11/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/11/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/11/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/11/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/11/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/11/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/11/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/11/12	1
Surrogate						
p-Terphenyl-d14	86.9		% Rec.	8310	07/11/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25

ESC
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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-08

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : FUEL LINE - WEST 3FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 11:06

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.028	0.020	mg/kg	7471	07/04/12	1
Arsenic	4.1	1.0	mg/kg	6010B	07/06/12	1
Barium	140	0.25	mg/kg	6010B	07/06/12	1
Cadmium	BDL	0.50	mg/kg	6010B	07/09/12	2
Chromium	29.	0.50	mg/kg	6010B	07/06/12	1
Lead	56.	1.2	mg/kg	6010B	07/09/12	5
Selenium	BDL	1.0	mg/kg	6010B	07/06/12	1
Silver	BDL	2.5	mg/kg	6010B	07/09/12	5
C6-C10 Hydrocarbons	BDL	3.8	mg/kg	8015D/GRO_AZ	07/02/12	38
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	105.		% Rec.	8015D/GRO_AZ	07/02/12	38
Volatile Organics						
Acetone	BDL	2.2	mg/kg	8260B	06/30/12	45
Acrylonitrile	BDL	0.45	mg/kg	8260B	06/30/12	45
Benzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Bromobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Bromodichloromethane	BDL	0.045	mg/kg	8260B	06/30/12	45
Bromoform	BDL	0.045	mg/kg	8260B	06/30/12	45
Bromomethane	BDL	0.22	mg/kg	8260B	06/30/12	45
1,3-Butadiene	BDL	0.045	mg/kg	8260B	06/30/12	45
n-Butylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
sec-Butylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
tert-Butylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Carbon disulfide	BDL	0.045	mg/kg	8260B	06/30/12	45
Carbon tetrachloride	BDL	0.045	mg/kg	8260B	06/30/12	45
Chlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Chlorodibromomethane	BDL	0.045	mg/kg	8260B	06/30/12	45
Chloroethane	BDL	0.22	mg/kg	8260B	06/30/12	45
Chloroform	BDL	0.22	mg/kg	8260B	06/30/12	45
Chloromethane	BDL	0.11	mg/kg	8260B	06/30/12	45
2-Chlorotoluene	BDL	0.045	mg/kg	8260B	06/30/12	45
4-Chlorotoluene	BDL	0.045	mg/kg	8260B	06/30/12	45
Cyclohexane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,2-Dibromo-3-Chloropropane	BDL	0.22	mg/kg	8260B	06/30/12	45
1,2-Dibromoethane	BDL	0.045	mg/kg	8260B	06/30/12	45
Dibromomethane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,2-Dichlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,3-Dichlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,4-Dichlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Dichlorodifluoromethane	BDL	0.22	mg/kg	8260B	06/30/12	45
1,1-Dichloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-08

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : FUEL LINE - WEST 3FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 11:06

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1-Dichloroethene	BDL	0.045	mg/kg	8260B	06/30/12	45
cis-1,2-Dichloroethene	BDL	0.045	mg/kg	8260B	06/30/12	45
trans-1,2-Dichloroethene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,2-Dichloropropane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1-Dichloropropene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,3-Dichloropropane	BDL	0.045	mg/kg	8260B	06/30/12	45
cis-1,3-Dichloropropene	BDL	0.045	mg/kg	8260B	06/30/12	45
trans-1,3-Dichloropropene	BDL	0.045	mg/kg	8260B	06/30/12	45
2,2-Dichloropropane	BDL	0.045	mg/kg	8260B	06/30/12	45
Dicyclopentadiene	BDL	0.045	mg/kg	8260B	06/30/12	45
Di-isopropyl ether	BDL	0.045	mg/kg	8260B	06/30/12	45
Ethylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
4-Ethyltoluene	BDL	0.045	mg/kg	8260B	06/30/12	45
Hexachloro-1,3-butadiene	BDL	0.045	mg/kg	8260B	06/30/12	45
n-Hexane	BDL	0.45	mg/kg	8260B	06/30/12	45
Isopropylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
p-Isopropyltoluene	BDL	0.045	mg/kg	8260B	06/30/12	45
2-Butanone (MEK)	BDL	0.45	mg/kg	8260B	06/30/12	45
Methylene Chloride	BDL	0.22	mg/kg	8260B	06/30/12	45
4-Methyl-2-pentanone (MIBK)	BDL	0.45	mg/kg	8260B	06/30/12	45
Methyl tert-butyl ether	BDL	0.045	mg/kg	8260B	06/30/12	45
Methyl Cyclohexane	BDL	0.045	mg/kg	8260B	06/30/12	45
Naphthalene	BDL	0.22	mg/kg	8260B	06/30/12	45
Propene	BDL	0.11	mg/kg	8260B	06/30/12	45
n-Propylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Styrene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1,1,2-Tetrachloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1,2,2-Tetrachloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1,2-Trichlorotrifluoroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
Tetrachloroethene	BDL	0.045	mg/kg	8260B	06/30/12	45
Toluene	BDL	0.22	mg/kg	8260B	06/30/12	45
1,2,3-Trichlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,2,4-Trichlorobenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1,1-Trichloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
1,1,2-Trichloroethane	BDL	0.045	mg/kg	8260B	06/30/12	45
Trichloroethene	BDL	0.045	mg/kg	8260B	06/30/12	45
Trichlorofluoromethane	BDL	0.22	mg/kg	8260B	06/30/12	45
1,2,3-Trichloropropane	BDL	0.11	mg/kg	8260B	06/30/12	45
1,2,4-Trimethylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,2,3-Trimethylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
1,3,5-Trimethylbenzene	BDL	0.045	mg/kg	8260B	06/30/12	45
Vinyl chloride	BDL	0.045	mg/kg	8260B	06/30/12	45
Xylenes, Total	BDL	0.14	mg/kg	8260B	06/30/12	45

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Jerry Kryn
Kary Environmental Services
641 S. Drew Street
Mesa, AZ 85210

July 11, 2012

ESC Sample # : L582913-08

Date Received : June 29, 2012
Description : WMAT UST - Day School

Site ID :

Sample ID : FUEL LINE - WEST 3FT

Project # : 120476

Collected By : Jerry Kryn
Collection Date : 06/27/12 11:06

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/30/12	45
Dibromofluoromethane	96.8		% Rec.	8260B	06/30/12	45
4-Bromofluorobenzene	105.		% Rec.	8260B	06/30/12	45
C10-C22 Hydrocarbons	BDL	30.	mg/kg	8015D/DRO_AZ	07/09/12	1
C22-C32 Hydrocarbons	BDL	50.	mg/kg	8015D/DRO_AZ	07/09/12	1
Surrogate Recovery						
o-Terphenyl	79.7		% Rec.	8015D/DRO_AZ	07/09/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthene	BDL	0.020	mg/kg	8310	07/08/12	1
Acenaphthylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	07/08/12	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Chrysene	BDL	0.020	mg/kg	8310	07/08/12	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluoranthene	BDL	0.020	mg/kg	8310	07/08/12	1
Fluorene	BDL	0.020	mg/kg	8310	07/08/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Naphthalene	BDL	0.020	mg/kg	8310	07/08/12	1
Phenanthrene	BDL	0.020	mg/kg	8310	07/08/12	1
Pyrene	BDL	0.020	mg/kg	8310	07/08/12	1
Surrogate						
p-Terphenyl-d14	71.3		% Rec.	8310	07/08/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/11/12 14:24 Printed: 07/11/12 14:25

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L582913-06	WG600572	SAMP	Silver	R2242973	O
L582913-07	WG601930	SAMP	Benzo(a)anthracene	R2249575	J4
	WG600572	SAMP	Arsenic	R2242973	P1
	WG600572	SAMP	Barium	R2242973	J6
	WG600572	SAMP	Silver	R2242973	O
L582913-08	WG600754	SAMP	Arsenic	R2243534	P1
	WG600754	SAMP	Barium	R2243534	J6J5
	WG601648	SAMP	Cadmium	R2245756	O
	WG600754	SAMP	Silver	R2243534	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
F1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/11/12 at 14:25:29

TSR Signing Reports: 288
RX - Priority Rush

client req 10k Must have PO # on ALL Invoices Log ALL projects as RX Hard 5 day , no upcharge

Sample: L582913-01 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-02 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-03 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-04 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-05 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-06 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-07 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Sample: L582913-08 Account: KARYMAZ Received: 06/29/12 09:00 Due Date: 07/10/12 00:00 RPT Date: 07/11/12 14:24

Company Address

Kary Environmental Services

641 S. Drew St.
Mesa, AZ 85210

Alternate Billing

Report to: Jerry Kryn

E-mail to: jerryk@karyenvironmental.com

Project Description: WMAT- VST - Day School

City/State Collected: Whiteriver

PHONE: 480-945-0009

FAX: 480-945-8599

Client Project No. 120476

Lab Project #

Collected by: Jerry Kryn

Site/Facility ID#

P.O.# 120476

Collected by (signature):

Packed on Ice N___ Y___

Rush? (Lab MUST be Notified)
___Next Day.....100%
___Two Day.....50%
___Three Day.....25%

Date Results Needed: Std 5 day

Email?___No_X__Yes
FAX?___No___Yes

Analysis/Container/Preservative

B115

Custody Page 1 of 1

Prepared by:

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122

Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)

KARYMAZ

Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	8260B (Full)	GRO 8015D-GRO AZ	ORO/DRO 8015AZ R1	PAH-8310	8 RCRA Metals 6010/7471			Remarks/contaminant	Sample # (lab only)
062712-EAST 1	Grab	SS	10.5	6-27-12	0928	3	X	X	X	X	X			L582913	-01
062712-EAST 2	Grab	SS	10.5	6-27-12	0940	3	X	X	X	X	X				-02
062712-WEST 1	Grab	SS	12'	6-27-12	0952	3	X	X	X	X	X				-03
062712-WEST 2	Grab	SS	12'	6-27-12	1005	3	X	X	X	X	X				-04
Duplicate 1	Grab	SS	12'	6-27-12	0953	3	X	X	X	X	X				-05
Soil Pile - WEST	Grab	SS	Pile	6-27-12	1022	3	X	X	X	X	X				-06
Soil Pile - East	Grab	SS	Pile	6/27/12	1032	3	X	X	X	X	X				-07
~~Dark Pipe 1~~															
Fuel Line-West	Grab	SS	3	6/27/12	1106	3	X	X	X	X	X				-08

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks: 5040 06334899 Flow_____ Other_____

Relinquished by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx X UPS__Other__		Condition (lab use only)
	6-28-12	1431				OK
Relinquished by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 72°C	Bottles Received: 24	
Relinquished by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 6-29-12	Time: 0900	pH Checked: NCF: