



January 23, 2013

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**Subject: Hazardous Material Site Investigation
U.S. Highway 6 Bridges at Interstate 25 and BNSF Railroad, Denver, Colorado
RMC Consultants Project E12-023-154**

Dear Ms. Hartwig:

RMC Consultants, Inc. (RMC) is pleased to provide Hartwig & Associates, Inc. (Hartwig) with this letter report to present the observations and results from a Hazardous Material Site Investigation (SI) performed in December 2012 in accordance with RMC's December 2012 Work Plan. The SI was conducted as a supplemental study in connection with the preconstruction and redevelopment of the U.S. Highway 6 (6th Avenue) and I-25 Bridge and 6th Avenue and Burlington Northern Santa Fe (BNSF) Railroad Bridge in the City and County of Denver. All work was performed within the Colorado Department of Transportation (CDOT) right-of-way (see Figure 1).

Limited Subsurface Investigation

The SI field work took place on December 20, and 26, 2012, and included the installation of four boreholes/temporary monitor wells adjacent to the planned bridge construction activity. The drilling of the borings was supervised and logged by an RMC professional geologist. Drilling work was performed by Site Services Inc., of Golden, Colorado. RMC personnel logged the borings to record the lithology encountered and any evidence of petroleum hydrocarbon impact, evidence of chemical impacts, and the depth to groundwater. Borehole logs are included in Attachment 1.

RMC personnel supervised the installation and completion of the temporary groundwater monitoring well in each of the borings, which were selected based on their location adjacent to the planned bridge construction activity. Soils collected during borehole advancement were examined for evidence of staining or odor, and were screened using a photoionization detector (PID) to assess the presence of volatile organic compounds. No evidence of petroleum hydrocarbon or chemical impacts was observed in any of the soil borings.

Soil samples were collected from three intervals in each of the boreholes: 0 to 2 feet, an intermediate depth, and at the vadose zone and groundwater interface. Samples were placed into laboratory provided glass sample jars and submitted to TestAmerica's Laboratory in Arvada, Colorado, for the analysis of volatile organic compounds (VOCs) by Method SW 8260B, total concentrations of eight Resource Conservation and Recovery Act (RCRA) Metals (arsenic, barium, cadmium, chromium, lead, selenium, silver, and mercury) by SW 6010B/SW 7471A, and polychlorinated biphenyles (PCBs) by

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Method SW 8082, and herbicides and pesticides by Methods 8151A/8081A. An additional soil sample was collected from the uppermost interval (0 to 2 feet) in each borehole and was submitted to TestAmerica for asbestos analysis by polarized light microscopy (PLM) Method 600/R-93-116. The sample jars were labeled with the date, time, analytical parameters, and were placed into coolers and stored on ice. The soil samples were transported to TestAmerica's laboratory following chain-of-custody protocols. The asbestos samples were submitted to TestAmerica but analyzed by EMLab P&K in Costa Mesa, California.

Following completion of the borehole to a depth of at least 10 feet into the water table, temporary monitoring wells were constructed through the hollow-stem augers. The wells were constructed using 2-inch diameter schedule 40 polyvinyl chloride (PVC) 0.010-inch factory slotted screen and 2-inch diameter schedule 40 PVC blank pipe casing. Fifteen feet of well screen was used in each well. The annular space around the screen was filled with 10-20 Colorado Silica Sand. The sand pack was placed from the bottom of the well to a level two feet above the top of the well screen. The remaining annular space in the wells around the blank PVC pipe casing was filled with 3/8-diameter bentonite chips. Bentonite was placed from the sand pack up to the ground surface. Wells were quickly developed and sampled immediately thereafter. Groundwater sampling logs are included in Attachment 1. The locations of each of the boreholes/temporary wells were located with a Trimble GeoExplorer GPS. The wells were abandoned per the requirements of the State Engineer's Office immediately following collection of groundwater samples. A notice of intent was filed with the Colorado State Engineer's Office. Well Abandonment Reports were also filed with the Colorado State Engineer's Office. All drill cuttings (8 55-gallon drums), purge water, and decontamination water (3 55-gallon drums) investigative derived waste (IDW) was removed from the site as required by CDOT and temporarily staged at RMC's office until analytical results can be used to characterize the waste for disposal. Soil IDW will be transported and disposed of at the Front Range Landfill in Erie, Colorado. Water IDW will be transported and disposed of at the Affiliated Wastewater Treatment facility in Denver, Colorado.

Groundwater Sampling

Groundwater samples were collected from the four temporary monitoring wells on December 20 and 26, 2012. Prior to groundwater sampling, the depth to groundwater was measured using a water level indicator in each of the monitoring wells relative to the ground surface. The depth to groundwater ranged from 13 feet below ground surface (bgs) (NE-02) to 40 feet bgs (NW-02). Field parameters including temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential were measured in each of the wells. A summary of monitoring well field parameters is included in Table 1 and groundwater sampling logs are included in Attachment 1. In accordance with the Work Plan, the monitoring wells were minimally developed (i.e., purged with a submersible pump for approximately 30 minutes prior to sampling). Groundwater flow is expected to be west-northwest directed toward and parallel to the flow in the South Platte River.

The groundwater samples were collected using submersible pump at a reduced flow rate. The samples were placed into laboratory provided containers and were shipped on ice to TestAmerica's Laboratory in Arvada, Colorado, for the analysis following chain-of-custody protocols. The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) by Method SW 8260B, total and dissolved concentrations of eight Resource Conservation and Recovery Act (RCRA) Metals (arsenic, barium, cadmium, chromium, lead, selenium, silver, and mercury) by SW 6010B/SW 7470A, and Semi-volatile Organic Compounds (SVOCs) by Method SW 8270C, Oil and Grease by Methods 1664A, pH, Total Suspended Solids (TSS), and Gross Alpha and Gross Beta by Method 900.0.

Soil Analytical Results (Bridge F-16-EJ)

The laboratory analytical results for the soil samples collected at bridge F-16-EJ indicated that four VOC concentrations were detected above the laboratory reporting limit (RL) in three soil samples. Acetone was reported at a concentration of 78 micrograms/kilogram ($\mu\text{g}/\text{kg}$) in NW-02 at 25 feet bgs and at 36 $\mu\text{g}/\text{kg}$ in SE-01 at 34 feet bgs. Methylcyclohexane was reported at a concentration of 12 $\mu\text{g}/\text{kg}$ in NW-02 at 25 feet bgs and at 11 $\mu\text{g}/\text{kg}$ in NW02 at 37 feet bgs. Analytical results for 2-butanone (methyl ethyl ketone [MEK]), carbon disulfide, methyl acetate, and cyclohexane results are qualified with a "J" indicating that they are an estimated concentration, detected above the method detection limits (MDL), but less than the laboratory reporting limits (RL). Acetone and bromoform (common laboratory contaminants) were detected in three samples and in the associated method blank and are qualified with a "B". The VOC sample results qualified with a "B" have been reviewed and further qualified as non-detect. All VOCs detected are below the state regulatory limits for these compounds in soils.

The VOC detections for the F-16-EJ bridge are shown on Table 2 and are compared to the Colorado Soil Evaluation Values (CSEV) established by the Colorado Department of Public Health and Environment (CDPHE) as soil cleanup standards (July 2011) as part of the Voluntary Cleanup Program. The most stringent soil cleanup standards are the residential soil standards which are based on toxicology data and potential routes of exposure.

The soil samples were also submitted for analysis of eight RCRA metals. The results indicated that arsenic was detected at concentrations that exceed the residential soil standard in all six of the soil samples submitted from the F-16-EJ bridge boreholes. These arsenic concentrations are within the range of naturally occurring arsenic in the soils as detailed in *Risk Management Guidance for Evaluating Arsenic Concentrations in Soil – Second Edition* (CDPHE, 2011). The highest arsenic concentration was 6.1 mg/kg in boring NW-02 at 37 feet bgs. The laboratory reported that concentrations of barium were detected in all six soil samples, but none of the concentrations exceed the residential soil standard of 15,000 mg/kg. The barium results ranged from 50 mg/kg (SE-01 at 0 feet) to 400 mg/kg (SE-01 at 24 feet). Cadmium concentrations were reported above the MDL, but below the laboratory reporting limit in five of the six soil samples, and are qualified with a "J" as an estimated value. The laboratory reported that cadmium was detected above the MDL in sample NW-02 at 0 – 2 feet bgs, however, all of the cadmium results are well below the CSEV residential soil standard of 70 mg/kg. Chromium and lead were detected in all six soil samples at concentrations ranging from 11 to 17 mg/kg and 11 to 220 mg/kg, respectively, which are below their respective CSEV residential soil standards of 120,000 and 400, respectively. Selenium concentrations were reported above the MDL, but below the laboratory reporting limit in two of the six soil samples, and are qualified with a "J" as an estimated value. The remaining four selenium values were not detected above the MDL. All of the selenium results are below the CSEV residential soil standard of 390 mg/kg. Mercury concentrations were reported above the MDL, but below the laboratory reporting limit in three of the six soil samples, and are qualified with a "J" as an estimated value. The remaining three mercury values were not detected above the MDL. All of the mercury results are below the CSEV residential soil standard of 13 mg/kg.

The laboratory reported that concentrations of 4,4-DDT (3.2 $\mu\text{g}/\text{kg}$), chlordane (0.70 $\mu\text{g}/\text{kg}$), and PCB-1260 (24 $\mu\text{g}/\text{kg}$) were detected in the soil sample submitted from the surface sample at NW-02. These pesticides and PCB concentrations are below the CSEV residential soil limits of 1,700, 1,600, and 220 $\mu\text{g}/\text{kg}$, respectively. No herbicides were detected above their respective MDLs in the six F-16-EJ bridge soil samples.

The laboratory reported that asbestos was not detected in the two surface soil samples from NW-02 and SE-01. A summary of soil analytical results from Bridge F-16-EJ is included as Table 2. Laboratory data sheets are included in Attachment 2.

Soil Analytical Results (Bridge F-16-DU)

The laboratory analytical results for the soil samples collected at Bridge F-16-DU indicated that no VOC compounds were detected above the laboratory RL. Acetone, methylene chloride, and tetrachloroethene results are qualified with a "J" indicating that they are an estimated concentration, detected above the MDL, but less than the laboratory RL. Bromoform (common laboratory contaminant), cyclohexane, and methylcyclohexane were detected in three samples and in the associated method blank and are qualified with a "B". The VOC sample results qualified with a "B" have been reviewed and further qualified as non-detect. All VOCs detected are below the state regulatory limits for these compounds in soils. The VOC detections for the F-16-DU Bridge are shown on Table 3 and are compared to the CSEV established by the CDPHE as soil cleanup standards (July 2011).

The soil samples were also submitted for analysis of eight RCRA metals. The results indicated that arsenic was detected at concentrations exceeding the residential soil standard in five of the six soil samples submitted from the F-16-DU Bridge boreholes. These arsenic concentrations are within the range of naturally occurring arsenic in the soils as detailed in *Risk Management Guidance for Evaluating Arsenic Concentrations in Soil – Second Edition* (CDPHE, 2011). The highest arsenic concentration was 6 mg/kg in boring SW-01 at 4 feet bgs and boring NE-02 at 0 feet bgs. The laboratory reported that concentrations of barium were detected in all six soil samples, but none of the concentrations exceed the residential soil standard of 15,000 mg/kg. The barium results ranged from 19 mg/kg (SW-01 at 11 feet) to 330 mg/kg (NE-02 at 0 feet). Cadmium concentrations were reported above the MDL, but below the laboratory reporting limit in five of the six soil samples, and are qualified with a "J" as an estimated value. All of the cadmium results are well below the CSEV residential soil standard of 70 mg/kg. Chromium and lead were detected in all six soil samples at concentrations ranging from 1.1 to 10 mg/kg and 1.5 to 170 mg/kg, respectively, which are below their respective CSEV residential soil standards of 120,000 and 400, respectively. Selenium concentrations were reported above the MDL, but below the laboratory reporting limit in two of the six soil samples, and are qualified with a "J" as an estimated value. The remaining four selenium values were not detected above the MDL. All of the selenium results are below the CSEV residential soil standard of 390 mg/kg. Mercury was detected in three soil samples at concentrations ranging from 0.019 to 0.58 mg/kg. Mercury concentrations were reported above the MDL, but below the laboratory reporting limit in two of the six soil samples, and are qualified with a "J" as an estimated value. The laboratory reported that Mercury was not detected above the MDL in the one remaining soil sample, and all of the mercury results are below the CSEV residential soil standard of 13 mg/kg.

The laboratory reported that concentrations of 4,4-DDE (1,900 µg/kg) and 4,4-DDT (2,700 µg/kg) were detected in the soil sample submitted from the surface sample at NE-02. These pesticide concentrations are above the CSEV residential soil limits of 1,400 and 1,700 µg/kg, respectively and below the CSEV worker soil limits of 5,100 and 7,000 µg/kg, respectively. 4,4-DDE and 4,4-DDT were detected above the RL in four other soil samples, except for the one 4,4-DDE detection in SW-01 at the surface which was between the MDL and RL and qualified with a "J" as an estimated value. 4,4-DDD, dieldrin, and heptachlor epoxide were reported above the MDL, but below the laboratory RL in three of the six soil samples, and are qualified with a "J" as an estimated value. Chlordane was detected in two samples and

in the associated method blank and are qualified with a "B". The chlordane sample results qualified with a "B" have been reviewed and further qualified as non-detect. The laboratory reported that concentrations of PCB-1254 (61 µg/kg) and PCB-1260 (64 µg/kg) were detected in the soil sample submitted from the surface sample at SW-01. These PCB concentrations are below the CSEV residential soil limits of 220µg/kg. No herbicides were detected above their respective MDLs in the six F-16-DU Bridge soil samples.

The laboratory reported that asbestos was not detected in the two surface soil samples from SW-01 and NE-02. A summary of soil analytical results from Bridge F-16-DU is included as Table 3. Laboratory data sheets are included in Attachment 2.

Groundwater Analytical Results (Bridge F-16-EJ)

The laboratory analytical results for the groundwater samples collected at Bridge F-16-EJ indicated that one VOC compound (chloroform) was detected and qualified with a "J" indicating that it is an estimated concentration, detected above the MDL, but less than the laboratory RL. The VOC detected is below the state regulatory limits for this compound in groundwater. The VOC detections for the F-16-EJ Bridge are shown on Table 4 and are compared to current State of Colorado or federal maximum contaminant levels (MCLs).

A bis(2-ethylhexyl) phthalate (semi-volatile organic compound [SVOC]) concentration was reported above the MDL, but below the laboratory RL in the groundwater sample from NW-02, and is qualified with a "J" as an estimated value.

The groundwater samples were also submitted for analysis of eight RCRA metals, for both total and dissolved values. The laboratory reported concentrations of dissolved barium were detected at a concentration of 170 µg/L in both groundwater samples. The dissolved barium concentrations do not exceed the MCL of 2,000 µg/L. Dissolved silver, arsenic, chromium, lead, and mercury were not detected in either groundwater sample above the MDL. Cadmium concentrations were reported above the MDL, but below the laboratory RL in both groundwater samples, and are qualified with a "J" as an estimated value. Dissolved selenium was detected in both groundwater samples at concentrations above the MDL, but below the laboratory RL and in the associated method blank and are qualified with a "B". The dissolved selenium sample result qualified with a "B" has been reviewed and further qualified as non-detect.

The laboratory reported that total arsenic was detected at a concentration of 27 µg/L in NW-02 and total lead was detected in both groundwater samples at concentrations of 12 µg/L in SE-01 and 54 µg/L in NW-02. The total lead and arsenic concentrations detected in NW-02 exceeds the MCL of 50 µg/L and 10 µg/L, respectively. Total silver was not detected in either groundwater sample above the MDL. Total selenium concentrations were reported above the MDL, but below the laboratory RL in both of the groundwater samples, and are qualified with a "J" as an estimated value. Total chromium and cadmium detected in sample SE-01 are also qualified with a "J" as an estimated value. Total cadmium was reported in sample NW-02 at a concentration of 8.4 µg/L and also in the associated method blank at an estimated concentration of 0.65 J and is qualified with a "B" for blank contamination. The total cadmium is slightly above the MCL of 5 µg/L. Total barium and mercury were detected in both samples and in the associated method blank and are qualified with a "B". The total metal sample results qualified with a "B" have been reviewed and further qualified as biased high due to the reported associated blank concentrations. RMC requested the laboratory re-analyze the total metals from

sample NW-02 to ensure results for arsenic, cadmium, and lead were not in error. The re-analysis indicated very comparable results for all compounds except the cadmium results. As indicated above, cadmium was initially reported at a concentration of 8.4 µg/L. The re-analysis results for total cadmium are reported as an estimated (between the RL and MDL) concentration of 1.6 µg/L. Both the initial and re-analysis total metals results are shown in Table 4.

The laboratory reported that a concentration of oil and grease (1.8 milligrams per liter [mg/L]) was detected in the groundwater sample submitted from SE-01.

Analytical results for total suspended solids (TSS) from both groundwater samples were elevated due to the limited well development prior to sampling. TSS was reported at concentrations of 380 mg/L and 2400 mg/L in samples from SE-01 and NW-02, respectively. At this time, there is no state or federal MCL for oil and grease or TSS. However, there are construction discharge permit restrictions on oil and grease and TSS. Colorado Regulation 62.5 sets the TSS standard for a 7- and 30-day average concentration at 45 and 30 mg/L, respectively. Colorado Regulation 62.5 sets instantaneous maximum concentration for the Oil and Grease at 10 mg/L.

Gross alpha analytical results range from a low of 22.2 pCi/L in well SE-01 to a high of 159 pCi/L in well NW-02 at Bridge F-16-EJ. Both gross alpha values exceed the MCL of 15 pCi/L. Laboratory reported gross beta analytical results for the wells SE-01 and NW-02 are 25 and 88.9 pCi/L, respectively. The gross beta value of 88.9 exceeds the MCL of 50 pCi/L. A summary of groundwater analytical results from Bridge F-16-EJ is included in Table 4. Laboratory data sheets are included in Attachment 2.

Groundwater Analytical Results (Bridge F-16-DU)

The laboratory analytical results for the groundwater samples collected at Bridge F-16-DU indicated that three VOC compounds were detected (acetone, chloroform, and methyl tert-butyl ether) but are qualified with a "J" indicating that they are an estimated concentration, detected above the MDL, but less than the laboratory RL. All VOCs detected are below the state regulatory limits for these compounds in groundwater. The VOC detections for the F-16-EJ Bridge are shown on Table 4 and are compared to current State of Colorado or federal MCLs.

No SVOCs or oil and grease concentrations were detected above their respective MDLs in the two F-16-DU Bridge groundwater samples.

The groundwater samples were also submitted for analysis of eight RCRA metals, for both total and dissolved values. The laboratory reported no dissolved metals were detected above their respective RL except for barium which was also detected in the associated method blank and is qualified with a "B". The dissolved barium sample results qualified with a "B" have been reviewed and further qualified as biased high. The dissolved barium concentrations did not exceed the MCL of 2,000 µg/L. Dissolved silver, arsenic, lead, and mercury were not detected in either groundwater sample above the MDL. Chromium and selenium concentrations were reported above the MDL, but below the laboratory RL in both of the groundwater samples, and are qualified with a "J" as an estimated value. Cadmium was also detected above the MDL, but below the RL, in the groundwater sample from NE-02 and qualified with a "J" as an estimated value.

The laboratory reported that total barium was detected at a concentration of 430 µg/L in SW-01 and 310 µg/L in NE-02, chromium was detected at concentrations of 28 µg/L in SW-01 and 38 µg/L in NE-02,

and total lead was detected in both groundwater samples at concentrations of 21 µg/L in SW-01 and 11 µg/L in NE-02. Total silver, mercury, and arsenic in NE-02 were not detected in the groundwater samples above the MDL. Total cadmium and selenium concentrations were reported above the MDL, but below the laboratory RL in the groundwater samples, and are qualified with a "J" as an estimated value. Total arsenic detected in SW-01 was also qualified with a "J" as an estimated value. All total metals detected are below the state regulatory limits for these metals in groundwater.

The laboratory reported concentration of oil and grease were both non-detect in the groundwater sample submitted from SW-01 and NE-02.

Total suspended solids were reported at concentrations of 1,400 mg/L in SW-01 and 1,000 mg/L in NE-02. At this time, there is no state or federal MCL for oil and grease or TSS. However, there are construction discharge permit restrictions on oil and grease and TSS. Colorado Regulation 62.5 sets the TSS standard for a 7- and 30-day average concentration at 45 and 30 mg/L, respectively and sets instantaneous maximum concentration for the Oil and Grease at 10 mg/L.

Gross alpha analytical results in wells SW-01 and NE-02 at Bridge location F-16-DU are reported at 89.9 and 30.4 pCi/L, respectively. Both gross alpha values exceed the MCL of 15 pCi/L. Laboratory reported gross beta analytical results for wells SW-01 and NE-02 are 96.8 and 29.6 pCi/L, respectively. The reported gross beta values for these wells exceed the MCL of 50 pCi/L. It should be noted the samples analyzed for gross alpha/beta were not filtered and contained a fair amount of sediment due to limited well development. A summary of groundwater analytical results from Bridge F-16-EJ is included as Table 4. Laboratory data sheets are included in Attachment 2.

Conclusions and Recommendations

This hazardous materials SI found no environmental concerns associated with soil present at Bridge F-16-EJ. The soil results at Bridge F-16-DU indicated the presence of the pesticides 4, 4-DDE and 4, 4-DDT at concentrations above the residential screening level and below the worker screening level. If during future construction activity at this site, soil is to be moved off-site for disposal, the soil disposition will need to be managed appropriately. If the soil is not removed from the construction site, no special handling restrictions would be applicable because the site is not zoned for residential use and results are below worker screening levels.

Groundwater associated with Bridge F-16-DU (6th Avenue and I-25) was encountered between 13 and 14 feet bgs and did not have any reported RCRA metals, VOCs, SVOCs or oil and grease detected above Colorado or federal water quality standards. TSS is reported at concentrations between 1000 and 1400 mg/L and are above the General Construction Discharge Permit limits for 7-day and 30-day averages. Similarly, gross alpha and beta values exceed their respective MCLs. Although gross alpha and beta values exceed the MCL, the values are likely due to naturally occurring elements such as uranium, thorium, or radium for alpha, and potassium for beta that occur within the geologic sediments in this region. If the elevated gross alpha and beta values are due to naturally occurring elements, the MCL exceedances are not a concern. Should dewatering activities be required as part of the bridge replacement and construction, mitigation measures to minimize suspended solids present in water prior to discharge will be necessary. Applicable permits from CDPHE for water discharge will also be

necessary to ensure proper water management. Proper water management may include monitoring to ensure discharges are within state regulatory limitations. Monitoring may include, but is not limited to: discharge rate, total suspended solids, total dissolved solids, gross alpha and beta with specific analyses for potassium and uranium, oil and grease, pH, metals, volatile organic compounds, etc.

Groundwater associated with Bridge F-16-EJ (6th Avenue and the BNSF Railroad) was encountered between 38 to 40 feet bgs. Groundwater at this location did not contain any VOCs or SVOCs at concentrations above Colorado or federal water quality standards. However, groundwater did contain the RCRA metals arsenic, cadmium, and lead at concentrations above their respective water quality standards in the "total" or non-filtered water sample analyses. These metals were reduced to below the water quality standard limits in the "dissolved" or filtered water sample analyses. As noted earlier, the re-analysis of the total metals sample from NW-02 indicated that cadmium at a concentration of 1.6 µg/L would not exceed regulatory limits. TSS are reported at concentrations as high as 2400 mg/L which are above the General Construction Discharge Permit limits for 7- and 30-day averages. As noted above, one gross beta and both gross alpha values exceed their respective MCLs. These gross alpha and beta concentrations are likely due to naturally occurring values and associated with the geologic sediments in this region. Construction dewatering activity associated with this bridge replacement, if necessary, will likely require mitigation. Mitigation may include obtaining applicable permits from CDPHE for water discharge and discharge monitoring as noted above.

As part of this SI, RMC reviewed environmental assessment reports at Denver Environmental Health associated with the 6th Avenue and Osage Street Union Pacific Railroad Burnham Yard area located adjacent and to the east of the F-16-EJ Bridge. Several investigations starting in 1999 and going through 2005 have been completed and have identified at least three fuel related shallow groundwater plumes associated with multiple diesel fuel releases from above ground and underground storage tanks. The western edges of these fuel related plumes are within a quarter mile of the F-16-EJ Bridge replacement project area. Although fuel related contaminants were not detected at the two temporary wells installed at F-16-EJ (except very minor concentration of oil and grease in SE-01), it is cautioned that during the construction of the replacement bridge, fuel related contaminants may be encountered in shallow groundwater and mitigation measures may be required.

Limitations of Assessment

The statements and recommendations included in this letter are based on a limited scope of services. RMC Consultants, Inc. (RMC) and their agents, employees, and attorneys make no representation that environmental hazards or conditions beyond the scope included in this SI are fully known or characterized. Statements and conclusions in this letter are an assessment of the environmental conditions noted during the execution of this site inspection and are not a guarantee of the property's overall environmental conditions. Conclusions reached are based on available information at the time of the SI.

RMC appreciates this opportunity to perform this SI for Hartwig and Associates. Please contact David Groy or me at (303) 980-4101 if you have any questions.

Ms. Marvinitta Hartwig
January 23, 2013
Page 9 of 9

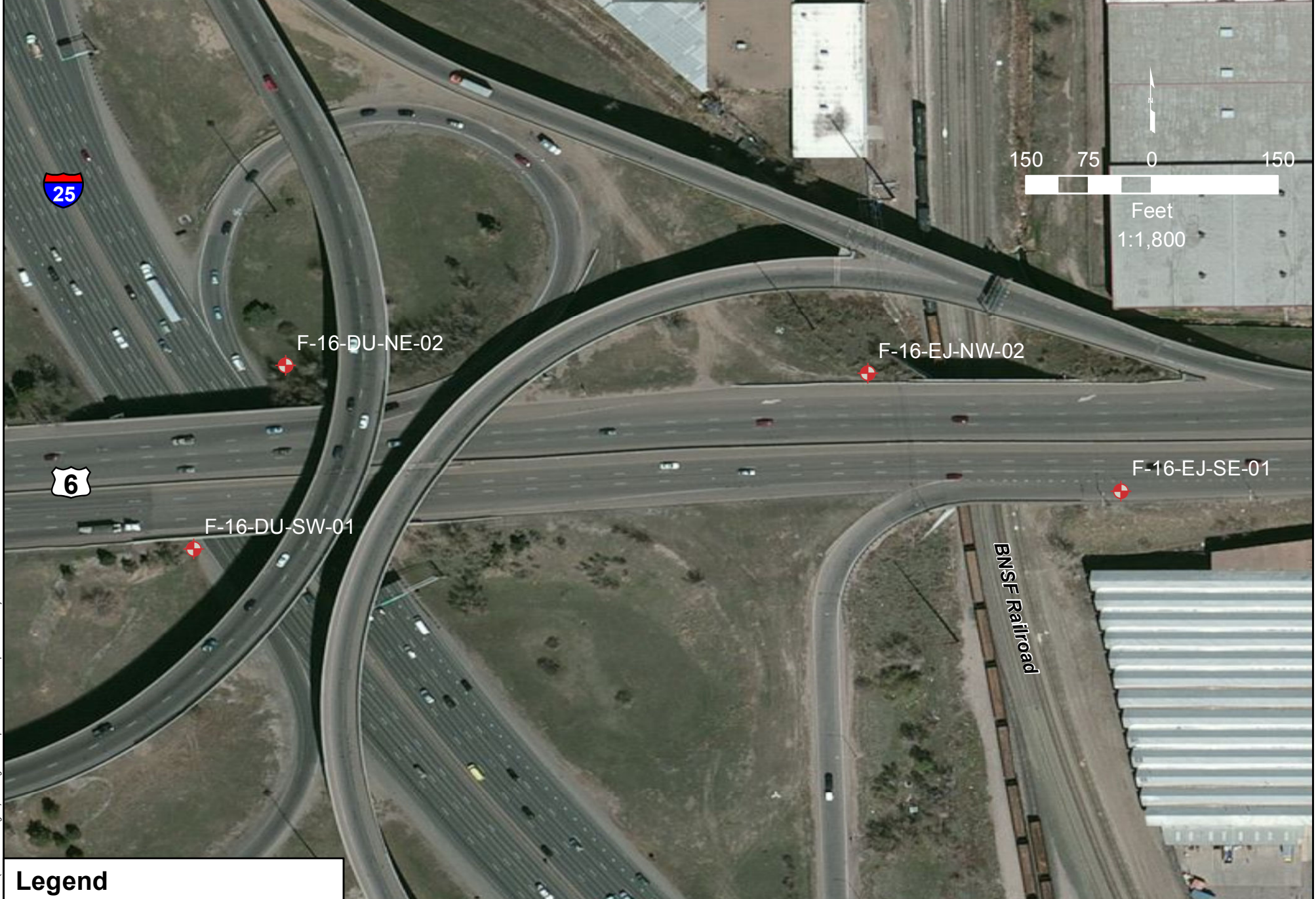
Sincerely,
RMC Consultants, Inc.


Claude D. Murray, PG, PMP
Senior Project Manager

Attachments

- Figure 1 – Borehole/Temporary Well Location Map
- Tables 1 – Summary of Monitoring Well Field Parameters
- Table 2 – Summary of Bridge F-16-EJ Soil Analytical Detections
- Table 3 – Summary of Bridge F-16-DU Soil Analytical Detections
- Table 4 – Summary of Groundwater Analytical Detections
- Attachment 1 – Drilling Logs and Groundwater Sampling Logs
- Attachment 2 – Laboratory Analytical Data Sheets

FIGURE



Legend

 Borehole/Temporary Well



**Borehole/Temporary Well
Location Map
I-25 AND 6TH AVENUE OVERPASSES
DENVER, COLORADO**

FIGURE 1

Date: 01/11/2013	Drawn By: JLK	Checked By: CDM
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Data Sources: CDOT, RMC Consultants, Inc., and Bing Maps

N:\ENVP\03\2012 Proj\E12-023-154\CDOT\Hartwig S\GIS\Figure_1 Prop Bore Well Loc Map 8.5x11.mxd [kahlert 1/11/2013 1:51:35AM]

TABLES

Table 1. Summary of Monitoring Well Field Parameters

Parameter	Bridge F-16-EJ		Bridge F-16-DU	
	SE-01-GW	NW-02-GW	SW-01-GW	NE-02-GW
	12/20/2012	12/20/2012	12/26/2012	12/26/2012
Borehole/Temporary Well Location				
Northing	N 39.729525	N 39.725909	N 39.725351	N 39.72589
Westing	W 105.010400	W 105.011232	W 105.013432	W 105.013064
Borehole Total Depth (feet below ground surface)				
	48.9	50	25	25
Depth to Groundwater (ft bgs)				
	38	40.12	13.6	12.98
Depth to Bedrock Contact (ft bgs)				
	48	Not Reached	23.5	23
Temporary Well Screen Interval (ft bgs)				
	33 - 48	35 - 50	10 - 25	10 - 25
Field Water Quality Parameters (closed cell)				
Dissolved Oxygen (mg/L)	1.25	0.04	1.32	0.15
ORP (mV)	67.1	57.6	111.8	16.5
Temperature (° Celsius)	17.3	17.14	16.88	16.07
pH	6.79	6.83	6.73	6.73
Conductivity (mS/cm)	1.237	1.311	1.291	1.25
Turbidity (NTUs)	221	1215	934	311

Notes:

ft bgs = Feet below ground surface

mg/L = milligram per liter

mV = millivolt

mS/cm = milliSiemen per centimeter

NTU = Nephelometric Turbidity Units

Table 2. Summary of Bridge F-16-EJ Soil Analytical Detections

Analytical Parameter	Sample ID	Bridge F-16-EJ											
		NW-02-(0-2)		NW-02-(25-27)		NW-02-(37-39)		SE-01-(0-2)		SE-01-(24-26)		SE-01-(34-36)	
		12/20/2012		12/20/2012		12/20/2012		12/20/2012		12/20/2012		12/20/2012	
CSEV Table Soil Screening Levels (Resid. / Worker)	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	
Total RCRA 8 Metals by 6010B/7471A [mg/kg]													
Ag (Silver)	390 / 5,100	<	0.96	<	0.98	<	1.2	<	0.96	<	1.1	<	1.2
As (Arsenic)	0.39 / 1.6 / 19 ¹	4.0	1.9	4.1	2	6.1	2.5	2.2	1.9	3.1	2.1	5.3 J	12
Ba (Barium)	15,000 / 160,000	120	0.96	170	0.98	130	1.2	50	0.96	400	1.1	230	5.8
Cd (Cadmium)	70 / 770	0.62	0.48	0.27 J	0.49	0.12 J	0.6	0.1 J	0.48	0.28 J	0.53	0.18 J	0.58
Cr (Chromium)	120,000 / 1,500,000	13	1.4	13	1.5	17	1.8	11	1.4	13	1.6	17	1.7
Pb (Lead)	400 / 800	220	0.77	15	0.78	13	0.98	13	0.77	11	0.85	12	0.93
Se (Selenium)	390 / 5,100	<	1.2	<	1.3	1.1 J	1.6	<	1.2	0.95 J	1.4	<	1.5
Hg (Mercury)	13 / 160	0.12	0.021	0.038	0.017	0.013 J	0.025	0.017	0.016	0.017 J	0.019	0.011 J	0.027
VOCs by 8260B [µg/kg]													
Acetone	61,000,000 / 380,000,000	15 JB	21	<	23	78	26	9.1 JB	20	14 JB	24	36	24
2-Butanone (MEK)	28,000,000 / 91,000,000	2.2 J	21	<	23	17 J	26	<	20	<	24	4.9 J	24
Bromoform	25,000 / 40,000	<	5.2	<	5.6	<	6.4	0.30 JB	5.1	0.27 JB	5.9	<	6.1
Carbon disulfide	740,000 / 1,100,000	<	5.2	<	5.6	<	6.4	<	5.1	<	5.9	1.3 J	6.1
Methyl acetate	—	4.7 J	10	<	11	<	13	<	10	<	12	<	12
Cyclohexane	310,000,000 / 3,100,000,000	<	5.2	5.5 J	5.6	5.2 J	6.4	<	5.1	<	5.9	<	6.1
Methylcyclohexane	—	<	5.2	12	5.6	11	6.4	<	5.1	<	5.9	<	6.1
All other compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Pesticides & PCBs by 8081A/8082 [µg/kg]													
4, 4-DDT	1700 / 7000	3.2 P	1.8	<	1.9	<	2.1	<	8.8	<	2	<	11
Chlordane	1600 / 6500	0.70 JP	1.8	<	1.9	<	2.1	<	8.8	<	2	<	11
PCB-1260	220 / 740	24 J	35	<	35	<	42	<	34	<	38	<	42
All other compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Herbicides by 8151A [µg/kg]													
All Compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Asbestos by PLM													
All Compounds	—	<	1%	NA	—	NA	—	<	1%	NA	—	NA	—

Notes:

CSEV = Colorado Soil Evaluation Value (July 2011)

RCRA = Resource Conservation Recovery Act

VOCs = Volatile Organic Compounds

SVOCs = Semi Volatile Organic Compounds

PCBs = Polychlorinated biphenyls

PLM = Polarized light microscopy

mg/kg = milligram per kilogram

µg/kg = microgram per kilogram

< = Less than the method reporting limit

RL = Method Reporting Limit

NA = Not Analyzed

— = no value

J - Result is less than the RL but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

B - Compound was found in the associated blank and sample. Results reviewed and further qualified as non-detection.

P - The %RPD between the primary and confirmation column detector is >40%. The lower value has been reported.

¹ - Colorado Department of Public Health and Environment (CDPHE) background soil arsenic concentration in Colorado for Urban Mixed Use land.

Table 3. Summary of Bridge F-16-DU Soil Analytical Detections

Analytical Parameter	Bridge F-16-DU												
	Sample ID	SW-01-(0-2)		SW-01-(4-6)		SW-01-(11-13)		NE-02-(0-2)		NE-02-(4-6)		NE-02-(9-11)	
	CSEV Table Soil Screening Levels (Resid. / Worker)	12/26/2012		12/26/2012		12/26/2012		12/26/2012		12/26/2012		12/26/2012	
		Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Total RCRA 8 Metals by 6010B/7471A [mg/kg]													
Ag (Silver)	390 / 5,100	<	0.94	<	1.1	<	0.89	0.4 J	1.1	<	1.1	<	1
As (Arsenic)	0.39 / 1.6 / 19 ¹	3.5	1.9	6	2.2	0.8 J	1.8	6	2.1	3.9	2.1	2.1	2
Ba (Barium)	15,000 / 160,000	160	0.94	110	1.1	19	0.89	330	1.1	100	1.1	34	1
Cd (Cadmium)	70 / 770	0.17 J	0.47	0.076 J	0.54	<	0.45	0.52 J	0.54	0.12 J	0.53	0.048 J	0.5
Cr (Chromium)	120,000 / 1,500,000	10	1.4	8.4	1.6	1.1 J	1.3	10	1.6	9	1.6	3.3	1.5
Pb (Lead)	400 / 800	35	0.75	37	0.87	1.5	0.71	170	0.86	28	0.85	8.1	0.8
Se (Selenium)	390 / 5,100	0.88 J	1.2	<	1.4	<	1.2	1.3 J	1.4	<	1.4	<	1.3
Hg (Mercury)	13 / 160	0.019	0.017	0.02	0.02	<	0.017	0.58	0.018	0.014 J	0.02	0.009 J	0.017
VOCs by 8260B [µg/kg]													
Acetone	61,000,000 / 380,000,000	<	26	<	27	<	19	<	20	7.4 J	22	13 J	19
Bromoform	25,000 / 40,000	<	6.5	<	6.7	<	4.7	0.33 JB	4.9	0.36 JB	5.5	0.29 JB	4.7
Methylene Chloride	12,000 / 16,000	<	6.5	<	6.7	<	4.7	2 J	4.9	<	5.5	1.6 J	4.7
Cyclohexane	310,000,000 / 3,100,000,000	0.56 JB	6.5	<	6.7	<	4.7	<	4.9	<	5.5	<	4.7
Methylcyclohexane	—	1.3 JB	6.5	<	6.7	<	4.7	<	4.9	<	5.5	<	4.7
Tetrachloroethene	520 / 950	<	6.5	<	6.7	<	4.7	<	4.9	<	5.5	0.9 J	4.7
All other compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Pesticides & PCBs by 8081A/8082 [µg/kg]													
4, 4-DDD	2000 / 7200	<	8.7	<	1.8	<	1.6	140 J	340	<	18	<	8.6
4, 4-DDE	1400 / 5100	1.5 JP	8.7	2	1.8	<	1.6	1900	340	58	18	18	8.6
4, 4-DDT	1700 / 7000	12 P	8.7	2.0 P	1.8	<	1.6	2700	340	98	18	40	8.6
Chlordane	1600 / 6500	2.8 JBP	8.7	1.5 JB	1.8	<	1.6	<	340	<	18	<	8.6
Dieldrin	30 / 110	5.7 J	8.7	0.43 J	1.8	<	1.6	<	340	<	18	<	8.6
Heptachlor epoxide	53 / 190	<	8.7	0.68 J	1.8	<	1.6	<	340	<	18	<	8.6
PCB-1254	220 / 740	61	34	<	36	<	31	<	33	<	34	<	33
PCB-1260	220 / 740	64	34	<	36	<	31	<	33	<	34	<	33
All other compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Herbicides by 8151A [µg/kg]													
All Compounds	—	<	—	<	—	<	—	<	—	<	—	<	—
Asbestos by PLM													
All Compounds	—	<	1%	NA	—	NA	—	<	1%	NA	—	NA	—

Notes:

CSEV = Colorado Soil Evaluation Value (July 2011)

RCRA = Resource Conservation Recovery Act

VOCs = Volatile Organic Compounds

SVOCs = Semi Volatile Organic Compounds

PCB = Polychlorinated biphenols

PLM = Polarized light microscopy

mg/kg = milligram per kilogram

µg/kg = microgram per kilogram

< = Less than the method reporting limit

RL = Method Reporting Limit

NA = Not Analyzed

— = no value

J - Result is less than the RL but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

B - Compound was found in the associated blank and sample. Results reviewed and further qualified as non-detection.

P - The %RPD between the primary and confirmation column detector is >40%. The lower value has been reported.

¹ - Colorado Department of Public Health and Environment (CDPHE) background soil arsenic concentration in Colorado for Urban Mixed Use land.

Bold indicates analyte detected above the method detection limit (MDL).

Highlighted value indicates results above the residential soil screening value.

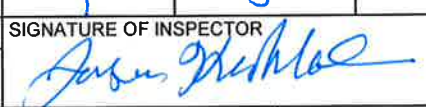
Table 4. Summary of Groundwater Analytical Detections

Analytical Parameter	Sample ID	Bridge F-16-EJ				Bridge F-16-DU			
		SE-01-GW		NW-02-GW		SW-01-GW		NE-02-GW	
		12/20/2012		12/20/2012		12/26/2012		12/26/2012	
	State or Federal Groudwater MCLs ¹	Results	RL	Results	RL	Results	RL	Results	RL
HEM Oil & Grease by 1664A (C10-C28) [mg/L]									
	10 ⁴	1.8	5.6	<	18	<	8.7	<	9.1
Total Suspended Solids by 2540D [mg/L]									
TSS	30 / 45 ³	380	20	2400	100	1400	40	1000	40
Dissolved² RCRA 8 Metals by 6010B/7470A [ug/L]									
Ag (Silver)	50	<	10	<	10	<	10	<	10
As (Arsenic)	10	<	15	<	15	<	15	<	15
Ba (Barium)	2000	170	10	170	10	170 B	10	150 B	10
Cd (Cadmium)	5	0.48 J	5	0.61 J	5	<	5	0.49 J	5
Cr (Chromium, Total)	100	<	10	<	10	1.3 J	10	0.85 J	10
Pb (Lead)	50	<	9	<	9	<	9	<	9
Se (Selenium)	20	11 JB	15	12 JB	15	11 J	15	9.6 J	15
Hg (Mercury)	1.1	<	0.2	<	0.2	<	0.2	<	0.2
Total RCRA 8 Metals by 6010B/7470A [ug/L]									
Ag (Silver)	50	<	10	< / <	10	<	10	<	10
As (Arsenic)	10	<	15	27 / 27	15	7.2 J	15	<	15
Ba (Barium)	2000	250 B	10	650 B / 620	10	430	10	310	10
Cd (Cadmium)	5	0.99 J	5	8.4 B / 1.6 J	5	0.68 J	5	0.58 J	5
Cr (Chromium, Total)	100	7.9 J	10	77 B / 67	10	28	10	38	10
Pb (Lead)	50	12	9	54 / 52	9	21	9	11	9
Se (Selenium)	20	11 J	15	11 J / 11 J	15	12 J	15	9.7 J	15
Hg (Mercury)	1.1	0.57 JB	0.2	0.11 JB	0.2	<	0.2	<	0.2
VOCs by 8260B [ug/L]									
Acetone		<	10	<		<	10	6.4 J	10
Chloroform	3.5	0.53 J	1	<	1	0.30 J	1	<	1
Methyl tert-butyl ether		<	5	<		<	5	0.29 J	5
All other compounds	—	<		<		<		<	
SVOCs by 8270C [ug/L]									
Bis(2-ethylhexyl) phthalate	2.5	<	9.5	2.1 J	9.7	<	9.6	<	9.5
All other compounds	—	<		<		<		<	
Gross Alpha/Beta by Method 900.0									
Alpha (pCi/L)	15	22.2	3	159	3	89.8	3	30.4	3
Beta (pCi/L)	50 ⁵	25	4	88.9	4	96.8	4	29.6	4

Notes:

- 1 - Water standards are based on current state or federal Maximum Concentration Levels (MCLs).
 - 2 - Field samples were filtered to remove suspended solids using a 0.45 micron filter prior to being collected in the sample jar.
 - 3 - Colorado Reg. 62.5 sets TSS standard for 7-day average at 45 mg/L and 30-day average at 30 mg/L.
 - 4 - Colorado Reg. 62.5 sets instantaneous maximum concentration for oil & grease at 10 mg/L for discharge permits.
 - 5 - The MCL for Gross Beta is 4 mrem/year. Since there is no simple conversion between mrem/yr and pCi/L, EPA considers 50 pCi/L to be the level of concern for Gross Beta particle activity.
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 B - Compound was found in the associated blank and sample.
 Highlighted value indicates results above the State and or Federal Water Standard.
 Total Metals was re-analyzed for NW-02 to confirm initial results. The second analysis is shown following the initial analysis.

ATTACHMENT 1

DRILLING LOG							HOLE NO.	NE-02
COMPANY NAME RMC CONSULTANTS, INC., -Wheat Ridge, CO				DRILLING SUBCONTRACTOR Site Services			SHEET 1 OF 2 SHEETS	
PROJECT I-25 and 6 th Avenue				LOCATION F-16-DU North East Corner				
NAME OF DRILLER Joshua Eckhoff				MANUFACTURER'S DESIGNATION OF DRILL CME 75				
SIZES AND TYPES OF DRILLING EQUIPMENT		4" ID HSA		HOLE LOCATION				
		2" Split Spoon		N 59.725890 W 105.013064				
		140-lb Hammer		SURFACE ELEVATION				
				5213				
				DATE STARTED		DATE COMPLETED		
				12/26/12		12/26/12		
OVERBURDEN THICKNESS				DEPTH GROUNDWATER ENCOUNTERED				
23 ft				13.5' bgs				
DEPTH DRILLED INTO ROCK				DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED				
2 ft				12.98' bgs 30 minutes				
TOTAL DEPTH OF HOLE				OTHER WATER LEVEL MEASUREMENTS				
25 ft								
GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		CORED INTERVAL/CORE BOX NO(S).		
N/A		N/A		N/A				
SAMPLES FOR CHEMICAL ANALYSIS		VOCs	METALS	OTHER	OTHER	OTHER	TOTAL CORE RECOVERY %	
		3	3	Metals 3	Asbestos 1	PCB/HERB/PEST 3		
DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER	SIGNATURE OF INSPECTOR			
Abandoned		Bentonite chips (5)	Temp					
ELEV.	DEPTH	DESCRIPTION OF MATERIALS		FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO	ANALYTICAL SAMPLE NO.	GRAPHIC	REMARKS
	2.0	sm - olive gray sy 4/1, Gravely Silty Sand, fine to coarse sand with silt and fine Angular gravel, Dry, massive, moderately hard, no staining, no odors, Roots.		PPM 3.7	5 6 5 6 22"	NE-02-0		1114
	4.0	sm - Gravely silty sand as above.		3.8	6 7 9 8 22"	NE-02-4		1126
	6.0	SP - Brown 10YR 5/3, fine sand, Dry, loose, no staining, no odors						
	8.0							
	10.0	sm - Dark Brown 10YR 3/3, silty sand, fine to medium sand with silt, moist, no stain or odor.		4.5	2 4 14"	NE-02.9		1132

DRILLING LOG

HOLE NO. **NE-02**


PROJECT **I-25 and 6th Avenue**

INSPECTOR **J. Kahler**

SHEET **2**
OF **2** SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	Field Screen Results ppm	Blow Counts Recovery	Analytical DRILL TIME. Sample No.	DRILL ROD	REMARKS
	10	SM - Dark Brown 10yR 3/3 Silty Sand, fine to medium Sand with silt, soft, moist, no staining, no odors.	3				
	12		4				
	14	SP - Brown 10yR 5/3, Gravelly Sand, medium to coarse subrounded sand with fine subrounded gravel, wet, loose, no staining, no odor	3.6	8 10 16 17	23"		13.5' water 1140
	16						
	18						
	20	SP - same as above except with coarse subrounded gravel.	3.2	11 20 20 47	23"		1157
	22						
	24	Claystone - Dark Gray N3, Dry, Blocky, no odor, no staining	3.3	33 50/3"	12"		Bed rock contact per driller. 1217
	26						
	28						

PROJECT:

DRILLING LOG							HOLE NO.	
COMPANY NAME RMC CONSULTANTS, INC., -Wheat Ridge, CO				DRILLING SUBCONTRACTOR Site Services		SHEET 1 OF 4 SHEETS	NW-02	
PROJECT I-25 and 6 th Avenue				LOCATION F-16-EJ Northwest corner				
NAME OF DRILLER Jeremy Wan				MANUFACTURER'S DESIGNATION OF DRILL CME 75				
SIZES AND TYPES OF DRILLING EQUIPMENT		4" ID HSA		HOLE LOCATION		N 39.725909 W 105.011232		
		2" Split-Spoon		SURFACE ELEVATION		5234		
		1/40-16 Hammer		DATE STARTED		12/20/12		
				DATE COMPLETED		12/20/12		
OVERBURDEN THICKNESS 50 Ft +				DEPTH GROUNDWATER ENCOUNTERED 40 feet below ground surface				
DEPTH DRILLED INTO ROCK NA				DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED 40.12' by 30 minutes				
TOTAL DEPTH OF HOLE 50 ft				OTHER WATER LEVEL MEASUREMENTS				
GEOTECHNICAL SAMPLES N/A		DISTURBED N/A	UNDISTURBED N/A	CORED INTERVAL/CORE BOX NO(S).				
SAMPLES FOR CHEMICAL ANALYSIS		VOCs	METALS	OTHER	OTHER	OTHER	TOTAL CORE RECOVERY %	
		3	3	metals 3	Asbestos 1	PCB/HCB/PAH 3		
DISPOSITION OF HOLE Abandoned		BACKFILLED	MONITORING WELL	OTHER	SIGNATURE OF INSPECTOR 			
		Bentonite chips	Temp					
ELEV.	DEPTH	DESCRIPTION OF MATERIALS		FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO	ANALYTICAL SAMPLE NO.	GRAPHIC	REMARKS
	2.0	sm - Dark brown 10R 3/3 Gravelly Silty Sand, fine Sand with coarse sand and fine Rounded gravel, Soft, Dry, no odor, no staining		PPM 2.0	24"	NW-02 -0		0840
	6.0	sm - olive Gray 5Y 4/1 Silty Sand, fine sand with coarse sand, Medium Dense, moist, no odor, no staining		1.2	6 10 12 14	23"		0848
	8.0							
	10.0							

DRILLING LOG

HOLE NO. **NW-02**

PROJECT **I-25 and 6th Avenue**

INSPECTOR **J. Kahler**

SHEET **2**
OF **4** SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO.	ANALYTICAL SAMPLE ID.	GRAPHIC	REMARKS	
	10.0	SC - Olive gray 5y 4/1 Gravelly silty clayey sand, fine sand with clay and trace coarse angular gravel and silt loose moist, no odor, no staining, massive	PPM 1.0	5			0859	
				5				22"
				5				
	12.0			10				
	14.0	SP - Brown 10YR 5/3 Gravelly sand, fine sand with sub rounded fine to medium gravel medium dense, moist, no odor, no staining	1.6	6			0910	
				7				22"
				11				
	16.0			15				
	18.0	SC - olive gray 5y 4/1 fine sand with clay massive, moist, no odor, no staining	2.3	3			0922	
				7				23"
				9				
	20.0			11				
	22.0	SC - olive gray 5y 4/1 fine sand with clay, massive, moist, no odor, no staining	2.4	5			0933	
				5				24"
				11				
	26.0			13				
	28.0				NW-02-25			

PROJECT:

DRILLING LOG

HOLE NO. **NW-02**
 SHEET **3**
 OF **4** SHEETS

PROJECT: **I-25 and 6th Ave**

INSPECTOR: **J. Kahler**

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO.	ANALYTICAL SAMPLE ID.	GRAPHIC	REMARKS
28			PPM				
30		SC - olive gray S _y 4/1 fine sand with clay massive, moist, no odor, no staining	3.7	10 11 24" 12 15			0941 Soft-packer
32							
34							
36		SC - Dark gray N ₃ , fine sand with clay and trace coarse rounded gravel to 1/2 inch, moist, no apparent odor, no apparent staining	3.4	5 7 12" 9 9 10 13 23" 11 17			0957 1 1/2" gravel in shoe
38			3.6		NW-02 -37		1004
40			5.3	4 5 9 9			1021
42		SP - Brown 10YR 5/3 medium to coarse sub angular sand, wet					
44			5.2				
46				2 4 24" 24"			1047

PROJECT:

DRILLING LOG

HOLE NO. **NW-92**

PROJECT: **I-25 and 6th Ave**

INSPECTOR: **J. Kahler**

SHEET OF **4** SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO.	ANALYTICAL SAMPLE ID.	GRAPHIC	REMARKS
	46	SP - Brown 10y R 5/3, Medium to coarse Subangular sand, wet	PPM	13 24"/24"			
	48			25			
	50	↓	1.5	25 24"			1105
	52			39 24"			Heavy sand
	54			35/3"			
	56						
	58						
	60						
	62						

PROJECT:

DRILLING LOG						HOLE NO. F-16-EJ-SE-01	
COMPANY NAME RMC Consultants, Wheat Ridge, CO			DRILLING SUBCONTRACTOR Site Services, Golden, CO			SHEET 1 OF SHEETS	
PROJECT 6 th Avenue Bridge Replacement Haz. Mat. Investigation				LOCATION 6 th Ave. and I-25/6 th Ave/BNSF Railroad			
NAME OF DRILLER Josh Eckhoff				MANUFACTURER'S DESIGNATION OF DRILL			
SIZES AND TYPES OF DRILLING EQUIPMENT		4.25" I.O. HSA		HOLE LOCATION ON-RAMP, I-25 NORTH to EAST-BND US6			
		140-lb. hammer		SURFACE ELEVATION			
		2" Split Spears		DATE STARTED 12/20/2012		DATE COMPLETED 12/20/2012	
OVERBURDEN THICKNESS 48 Ft			DEPTH GROUNDWATER ENCOUNTERED 38 Ft bgs				
DEPTH DRILLED INTO ROCK 0.9 Ft			DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED				
TOTAL DEPTH OF HOLE 48.9 Ft			OTHER WATER LEVEL MEASUREMENTS				
GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED	CORED INTERVAL/CORE BOX NO(S).			
SAMPLES FOR CHEMICAL ANALYSIS		VOCs	METALS	OTHER	OTHER	OTHER	TOTAL CORE RECOVERY %
1-Asbestos		3	3	3-PCBs	3-Pesticides	3-Herbicides	
DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER	SIGNATURE OF INSPECTOR		
		BENTONITE CHIPS					

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	ANALYTICAL SAMPLE NO.	BLOW COUNTS	REMARKS
		Asphalt	RAE PID			Asger through asphalt.
	2	SP - Light brown very Fine Sand, w/ 5-10% F-m-c subround gravel, dry loose (Fill).	1.0 ppm	SE-01 (0-2)		Surface sample collected 0.4'-2.0' from sides of boreholes.
	4	ML - Light brown Silt, trace clay, 5% F. gravel, moderately cohesive, damp to moist.	2.2 ppm		4 7 9 9	
	8					
	10	CL - Grayish brown silty Clay, cohesive, mod. plasticity			4 6	

DRILLING LOG

HOLE NO.
F-16-EJ-SE-01

PROJECT
6th Avenue Bridge Replacement Haz. Mat. Inv.

INSPECTOR
Joseph Mastromarchi

SHEET 2
OF 4 SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	ANALYTICAL SAMPLE NO.	BLOW COUNTS	REMARKS
	10	CL - Grayish-brown Silty Clay, moderate plasticity, cohesive, damp.			8 11	
	12					
	14	CL to CH, Grayish brown Silty Clay, moderate to high plasticity, dense, damp.	2.3 ppm		3 4 6 7	w/ Ultra-Fine calcite crystals (<0.5mm)
	16	ML - Light brown to grayish brown Silt, w/ trace clay, soft/crumbles easily.	1.6 ppm		7 12 10 9	
	18					
	20	ML - Grayish brown clayey Silt, w/ 5% Fine gravel, slightly cohesive, crumbles w/ moderate finger pressure, damp.	1.8 ppm		8 7 5 11	2045 hrs.
	22					
	24	ML - Grayish brown clayey Silt, w/ 5% Fine gravel, moderately cohesive, damp.	3.2 ppm	SE-01 (24-26)	4 7 11 10	2108 hrs.
	26					
	28					

DRILLING LOG

HOLE NO.
F-16-EJ-SE-01

PROJECT
6th Avenue Bridge Replacement Haz. Mat. Inv.

INSPECTOR
Joseph Mastromarchi

SHEET
OF 4 SHEETS
3

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	ANALYTICAL SAMPLE NO.	BLOW COUNTS	REMARKS
	28					
		ML - Dark brown Silt, trace clay, appears organic, SOFT, w/ ultra-fine sulfide particles.	1.2 ppm		3 10 12 12	
	30				10	Color is
		OH - Organic Clay, w/ trace silt, dense, cohesive, highly plastic.	1.3 ppm		11 12 12	very dark brown
	32					
		OH - Organic Silt, trace clay, very dark brownish gray; soft, damp, w/ ultra-fine sulfide particles.	1.8 ppm	SE-01 - (34-36)	0 2 2 8	
	34					
	36					
						Ground water encountered @ 38' Ft
	38					
		SP - Light brown medium Sand, 10% coarse sand, wet.			1 1 2 4	
	40					
	42					
	44					
	46					

DRILLING LOG

HOLE NO.
F-16-EJ-SE-01

PROJECT
6th Avenue Bridge Replacement Haz. Mat. Inv.

INSPECTOR
Joseph Mastromarchi

SHEET 4
OF 4 SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS	ANALYTICAL SAMPLE NO.	BLOW COUNTS	REMARKS
	46	Assumed medium Sand, as above.				
	48	Bedrock - Very dark gray highly weathered mudstone/shale, crumbles easily w/ finger pressure; dissaggregated material is silt, trace clay.			17 50/0.4	Spoon refusal @ 48.9 ft E.O.B.
	50					

DRILLING LOG							HOLE NO. SW-01	
COMPANY NAME RMC CONSULTANTS, INC., -Wheat Ridge, CO				DRILLING SUBCONTRACTOR SITE Services		SHEET 1 OF 2 SHEETS		
PROJECT I-25 and 6th Avenue				LOCATION F-16-DU Southwest Corner				
NAME OF DRILLER Joshua Eckhoff				MANUFACTURER'S DESIGNATION OF DRILL CME 75				
SIZES AND TYPES OF DRILLING EQUIPMENT		4" ID HSA		HOLE LOCATION N39.725351 W105.013432				
		2" Split Spoon		SURFACE ELEVATION 5213				
		140-lb Hammer		DATE STARTED 12/26/2012		DATE COMPLETED 12/26/2012		
OVERBURDEN THICKNESS 23.5 feet				DEPTH GROUNDWATER ENCOUNTERED 13.5 feet below ground surface				
DEPTH DRILLED INTO ROCK 1.5 feet				DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED 13.60 feet below ground surface 30 minutes				
TOTAL DEPTH OF HOLE 25 feet				OTHER WATER LEVEL MEASUREMENTS				
GEOTECHNICAL SAMPLES N/A		DISTURBED N/A	UNDISTURBED N/A	CORED INTERVAL/CORE BOX NO(S).				
SAMPLES FOR CHEMICAL ANALYSIS		VOCs	METALS	OTHER	OTHER	OTHER	TOTAL CORE RECOVERY %	
		3	3	metals 3	Asbestos 1	PCB/Herbicides/ Pesticides 3		
DISPOSITION OF HOLE Abandoned		BACKFILLED	MONITORING WELL	OTHER	SIGNATURE OF INSPECTOR 			
		Bentonite Chips (4)	Temp					
ELEV.	DEPTH	DESCRIPTION OF MATERIALS		FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX NO	ANALYTICAL SAMPLE NO.	GRAPHIC	REMARKS
	2.0	Sm - olive gray 5y 4/1 gravelly silty sand, fine to coarse subangular sand with silt and fine angular gravel, massive, dry, hard, no odors, no staining		PPM 4.2	7 12 11 14 20"	Sw-01-0		0803
	4.0	Sm - Dark Brown 10YR 3/3 silty sand, fine to coarse subangular sand with silt, loose, moist, no staining, no odors		5.0	4 3 3 4 20"	Sw-01-4		0812
	10.0	Sm - Gray NS, gravelly silty sand, fine-coarse sand w/ silt and subangular fine gravel moist, massive, no odor/stain		4.4	3 2 2"			soft 0819

DRILLING LOG

HOLE NO.
SW-01

PROJECT I-25 and 6th Avenue

INSPECTOR J. Kahler

SHEET 2
OF 2 SHEETS

ELEV. ft MSL	DEPTH ft	DESCRIPTION OF MATERIALS	Field Screening Results	Blow Counts Recovery	Analytical DRILL TIME: Sample No.	DRILL ROD	REMARKS
	10		ppm	2 2"			0819
				2			
			3.8	2			
	12			2 23"			0824
				2		SW-01-11	
				2			
				2			
	14	SP- Brown 10 YR 5/3, Gravely poorly-sorted sand, Medium to coarse sub rounded sand with fines rounded gravel, Loose, wet, no staining, no odors	4.8	4 22"			water at 13.5' below ground surface 0829
				3			
				4			
	16			4			
	18						
			4.4	4 24"			0837
				5			
	20			11 26			
	22						
	24	Claystone - Dark Gray N3 Dry, Blocky, no odor, no staining	4.8	11 50/3"			0850
	26						
	30						

PROJECT:

GROUNDWATER SAMPLING LOG

Project Name: I-25 and 6th Avenue Project No.: E12.023.154
 Site Name: F-16-EJ North West Field Crew: JK
 Sampling Date: 12/20/2012 Weather Conditions: 45°F, w wind 10mph, Few Clouds
 Monitoring Instruments: YSI 6920 mini R/AE Readings: 0.5 ppm TOC: 1.0 ppm
 Analytical Instruments: pH: YSI 6920 Specific Conductivity: YSI 6920
 Temp: YSI 6920 Turbidity: YSI 6920
 D.O.: YSI 6920 ORP: YSI 6920
 Well ID No.: NW-02 Purging Equipment: SS Geosub submersible
 Type of Well: 2" PVC temporary Monitoring CASING VOLUME CALCULATION FOR 2" WELL:
 Casing Stickup: not measured (TD(ft) - DTW(ft)) x 0.16 gal/ft = 1 casing volume 2" (gallons)
 Static Water Level: 40'02 Bgs (TD(ft) - DTW(ft)) x 0.65 gal/ft = 1 casing volume 4" (gallons)
 Well Depth/Diameter: 50' bgs / 2" (50 - 40) 0.16 = 1.6 gallons

Time	Casing Volumes	Gallons Removed	Dissolved Oxygen (mg/l)	ORP (mV)	Temp (°C)	pH	Conductivity $\mu S/cm^2$	Turbidity (NTUs)	Fe+2 Water Level
1134	Begin purging at		1.75 L/minute						40.02
1138	1.2	1.85	0.50	111.4	16.44	6.97	1.331	980	—
1146	3.5	5.55	0.57	83.4	16.81	7.4	1.325	1215	—
1149	4.3	6.93	0.27	70.4	17.07	6.83	1.321	1053	—
1151	4.9	7.8	0.03	62.4	17.03	6.83	1.316	1215.7	—
1154	5.8	9.25	0.04	57.6	17.14	6.83	1.311	1215	49.12
1155	Collect Sample		NW-02-GW						

Depth to Water after purging: 40.12 Yield of Well: L - M - (H)

Sampling Equipment: SS Geosub Submersible pump

Filtration? YES / NO Filtration Method: N/A

Sample Chemistry: pH 6.83 Temp (°C) 17.14 Specific Conductivity 1.311 Turbidity 1215 ORP 57.6 DO 0.04

Analysis to be performed and Number of Containers:

VOCs 3 SVOCs 2 BTEX — SO4 — Alkalinity — Methane — Nitrate/Nitrite —

Nitrate/Nitrite — PCBs/Pesticides — RCRA Metals 3

Comments: TSS (x1); Oil and Grease (x2); Gross Alpha/Beta (x1)

Sampler Signature(s): [Signature]

GROUNDWATER SAMPLING LOG

Project Name: I-25 and 6th Avenue Project No.: E12.023.154
 Site Name: F-16-DU Northeast Field Crew: JK, Jm
 Sampling Date: 12/26/2012 Weather Conditions: 25°F, 7 mph From N, Partly Cloudy
 Monitoring Instruments: Mini RAE 3000 Readings: 0.8 TOC: 1.1
 Analytical Instruments: pH: YSI 6920 Specific Conductivity: YSI 6920
 Temp: YSI 6920 Turbidity: YSI 6920
 D.O.: YSI 6920 ORP: YSI 6920
 Well ID No.: NE-02 Purging Equipment: 55 Geosub Submersible
 Type of Well: Temporary Monitoring CASING VOLUME CALCULATION FOR 2" WELL:
 Casing Stickup: not measured (TD(ft) - DTW(ft)) x 0.16 gal/ft = 1 casing volume 2" (gallons)
 Static Water Level: 12.95 bgs (TD(ft) - DTW(ft)) x 0.65 gal/ft = 1 casing volume 4" (gallons)
 Well Depth/Diameter: 25.0' bgs 2" PVC $(25 - 12.95) \times 0.16 = 1.9$

Time	Casing Volumes	Gallons Removed	Dissolved Oxygen (mg/l)	ORP (mV)	Temp (°C)	pH	Conductivity $\mu S/cm$	Turbidity (NTUs)	Fe+2 $\mu L/Bgs$
1242	Begin purging	0.4	2.25	4/mim					12.95
1247	1.6	3	0.47	28.1	16.35	7.15	1.259	1208	—
1252	3.1	5.9	0.17	21.0	16.21	6.90	1.251	1206	—
1257	4.7	8.9	0.19	18.2	16.05	6.80	1.251	573	12.98
1302	6.3	11.9	0.15	16.5	16.07	6.73	1.250	311	12.98
1305	Collect Sample								

Depth to Water after purging: 12.98 Yield of Well: L - M - (H)

Sampling Equipment: 55 Geosub submersible
 Filtration? YES / NO Filtration Method: 0.45 micron
 Sample Chemistry: pH 6.73 Temp (°C) 16.07 Specific Conductivity 1.250 Turbidity 311 ORP 16.5 DO 0.15
 Analysis to be performed and Number of Containers:
 VOCs 3 SVOCs 2 BTEX — SO4 — Alkalinity — Methane — Nitrate/Nitrite —
 Nitrate/Nitrite — PCBs/Pesticides — RCRA Metals 3
 Comments: TSS (x1); Oil and Grease (x2); Gross Alpha/Beta (x1)

Sampler Signature(s): 

GROUNDWATER SAMPLING LOG

Project Name: I-25 and 6th Avenue Project No.: E12.023.154
 Site Name: F-16-DU Southwest Field Crew: JK
 Sampling Date: 12/26/2012 Weather Conditions: 14°F, 5 wind 5 mph, Mostly Cloudy
 Monitoring Instruments: Mini Rae 3000 Readings: 0.5 ppm TOC: 1.0 ppm
 Analytical Instruments: pH: YSI 6920 Specific Conductivity: YSI 6920
 Temp: YSI 6920 Turbidity: YSI 6920
 D.O.: YSI 6920 ORP: YSI 6920
 Well ID No.: SW01 Purging Equipment: SS GeoSub Submersible
 Type of Well: 2" PVC Temp Monitoring CASING VOLUME CALCULATION FOR 2" WELL:
 Casing Stickup: not measured (TD(ft) - DTW(ft)) x 0.16 gal/ft = 1 casing volume 2" (gallons)
 Static Water Level: 13.60' bgs (TD(ft) - DTW(ft)) x 0.65 gal/ft = 1 casing volume 4" (gallons)
 Well Depth/Diameter: 25' bgs / 2" $(25 - 13.6) \times 0.16 = 1.8 \text{ gallons}$

Time	Casing Volumes	Gallons Removed	Dissolved Oxygen (mg/l)	ORP (mV)	Temp (°C)	pH	Conductivity $\mu\text{S/cm}$	Turbidity (NTUs)	Fe+2 $\mu\text{g/L}$
0920	Start purging at		2.4 L/min						
0925	1.8	3.2	1.07	117.5	16.67	6.79	1,311	1211	
0930	3.5	6.3	1.28	115.4	16.86	6.75	1,297	1213	13.60'
0935	5.3	9.5	1.31	112.6	16.96	6.73	1,295	1207	
0940	7.0	12.7	1.32	111.8	16.88	6.73	1,291	934	13.59'
0945	Collected	Sample	1.32						

Depth to Water after purging: 13.59 Yield of Well: L - M - (H)
 Sampling Equipment: SS Geosub Submersible pump
 Filtration? (YES) / NO Filtration Method: 0.45 micron
 Sample Chemistry: pH 6.73 Temp (°C) 16.88 Specific Conductivity 1,291 Turbidity 934 ORP 114.8 DO 1.32
 Analysis to be performed and Number of Containers:
 VOCs 3 SVOCs 2 BTEX - SO4 - Alkalinity - Methane - Nitrate/Nitrite -
 Nitrate/Nitrite - PCBs/Pesticides - RCRA Metals 3
 Comments: TSS (x1); oil and Grease (x2); Gross Alpha/Beta (x1)

Sampler Signature(s): *Jim Duke*
 G: /forms/gwsample.doc

GROUNDWATER SAMPLING LOG

Project Name: 6TH AVE BRIDGE REPLACEMENT
 Site Name: I-25 @ 6TH AVE
 Sampling Date: 12-20-12
 Monitoring Instruments: Mini-Rae 3000 PID
 Analytical Instruments: pH: YSI
 Temp: YSI
 D.O.: YSI

Project No.: _____
 Field Crew: JM
 Weather Conditions: 30°F, clear
 Readings: BZ: _____ TOC: _____
 Specific Conductivity: YSI
 Turbidity: YSI
 ORP: YSI
 Purging Equipment: Geo-Sub

Well ID No.: F-16-E1-SE-01 (Temp.)
 Type of Well: Temporary monitoring well
 Casing Stickup: _____
 Static Water Level: 36.7' bgs
 Well Depth/Diameter: 2" / 48"

CASING VOLUME CALCULATION
 (TD(ft) - DTW(ft)) x 0.17 gal/ft = 1 casing volume (gals)
10' x .17 = 1.7 gal (PVC)
10' x .65 = 6.5 gal (auger)

Time	Casing Volumes	Gallons Removed	Diss. Oxygen (mg/l)	ORP (mV)	Temp (°C)	pH	Cond. μ S/cm	Turbidity (NTUs)
2222	Begin purging							
2226		2.0	0.59	103	16.6	7.29	1.262	1030
2233	3/0.8	5.0	0.72	76.2	17.4	6.96	1.244	1218
2239		8.0	0.99	64.0	17.4	6.87	1.244	1218
2245	5.9/1.5	10.0	1.2	62.9	17.5	6.83	1.241	630
2250		12.0	1.18	63.9	17.5	6.81	1.243	369
2255	8.2/2.1	14.0	1.21	64.5	17.5	6.80	1.241	303
2300	Collect Sample							
2304		17.0	1.25	67.1	17.3	6.79	1.237	221

Depth to water after purging: _____ Yield of Well: L - M - H

Sampling Equipment: Collected from discharge tubing
 Filtration? YES/NO YES Filtration Method: 45 micron disposable high-vol. Filter
 Sample Chemistry: pH 6.8 Temp. 17.3 Cond. 1.237 Turbidity 221 D.O. 1.25 ORP 67.1

Analysis to be performed and Number of Containers:
 VOC 3 SVOC 1 GRO - DRO - Metals 1 PCB/Pest - Oil/Grease 1
pH/TSS 1 Cross alpha/beta 1

Comments: _____

Sample Signature(s): *Joseph Montomarch*

ATTACHMENT 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37285-1
Client Project/Site: U.S.6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/22/2013 8:51:39 AM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

Analytical Data Package Prepared For

TestAmerica Denver

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains 17 Pages

Report No.: 54260

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
46237		NW-02-GW(280-37285-2)	J2L280427-1	MXQTD1AC	9MXQTD10	3002045
		NW-02-GW(280-37285-2)	J2L280427-1	MXQTD1AA	9MXQTD10	3002047

Certificate of Analysis

January 15, 2013

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002

Attention: Donna Rydberg

Date Received by Lab	:	December 26, 2012
Sample Number/Matrix	:	One (1) Water
SDG Number	:	46237
Project	:	RMC Consultants / US 6 at I-25
Project Number	:	280-37285-1

CASE NARRATIVE

I. Introduction

On December 26, 2012, one water sample was received at the TestAmerica Richland laboratory for radiochemical analysis. Upon receipt, the sample was assigned the TestAmerica identification number as described on the cover page of the Analytical Data Package. The sample was assigned to Lot Number J2L280427.

II. Sample Receipt

The sample was received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analyses requested were:

Gas Proportional Counting
Gross Alpha by method RL-GPC-001
Gross Beta by method RL-GPC-001

IV. Quality Control

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

V. Comments

Gas Proportional Counting

Gross Alpha by method RL-GPC-001:


The achieved MDA for sample exceeds the CRDL due to the reduced aliquot size based on weight screens. The sample was counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

Gross Beta by method RL-GPC-001:

The achieved MDA for sample exceeds the CRDL due to the reduced aliquot size based on weight screens. The sample was counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

I certify that this Certificate of Analysis is in compliance with the SOW and/or NELAC, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Erika Jordan
 2013.01.18
14:32:52 -08'00'

Erika Jordan
Customer Service Manager

Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D5174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, $R = \text{constants} * f(x,y,z,...)$. The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/\sqrt{n}), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) <i>u_c - Combined Uncertainty.</i>	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, <i>u_c the combined uncertainty.</i> The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \text{Sqrt}(2 * (\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin})) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \text{Sqrt}((\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin}) + 2.71/\text{SCntMin}) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the Work Order Number.
RER	The equation Replicate Error Ratio = $(S-D)/[\text{sqrt}(\text{TPUs}^2 + \text{TPUd}^2)]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Sample Results Summary

Date: 15-Jan-13

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 54260

SDG No: 46237

Batch	Client Id Work Order	Parameter	Result +/- Uncertainty (2σ)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
3002045	RL-GPC-001								
	NW-02-GW(280-37285-2)								
	MXQTD1AC	ALPHA	159.0 +/- 47.0		pCi/L	100%	31.4	3.0	
	NW-02-GW(280-37285-2) DUP								
	MXQTD1AD	ALPHA	138.0 +/- 42.0		pCi/L	100%	24.4	3.0	0.7
3002047	RL-GPC-001								
	231892-122012(280-37267-1) DUP								
	MXQRX1AD	BETA	5.11 +/- 3.1	U	pCi/L	100%	5.26	4.0	0.3
	NW-02-GW(280-37285-2)								
	MXQTD1AA	BETA	88.9 +/- 17.0		pCi/L	100%	17.0	4.0	
No. of Results: 4									

TestAmerica

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(IPUs)+sq(IPUD))] as defined by ICPT BOA.

rptSTLRchSaSummary2 V5.2.23
A2002

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mdn/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

QC Results Summary
TestAmerica TARL
 Ordered by Method, Batch No, QC Type,.

Date: 15-Jan-13

Report No. : 54260

SDG No.: 46240

Batch	Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Blas	MDL
RL-GPC-001									
3002045	BLANK QC,								
	MXQ7A1AA	ALPHA	0.670 +/- 0.44	U	pCi/L	100%			0.662
3002045	LCS,								
	MXQ7A1AC	ALPHA	37.5 +/- 8.6		pCi/L	100%	92%	-0.1	0.754
3002046	MATRIX SPIKE, SE-01-GW(280-37307-4)								
	MXQR91AD	ALPHA	311.0 +/- 82.0		pCi/L	100%	101%	0.0	11.3
RL-GPC-001									
3002047	MATRIX SPIKE, 227284-122012(280-37267-2)								
	MXQR31AD	BETA	283.0 +/- 38.0		pCi/L	100%	98%	0.0	4.98
3002047	BLANK QC,								
	MXQ7D1AA	BETA	1.09 +/- 1.0	U	pCi/L	100%			1.79
3002047	LCS,								
	MXQ7D1AC	BETA	40.7 +/- 5.7		pCi/L	100%	100%	0.0	1.84
No. of Results: 6									

TestAmerica
 rptSTLRchQcSum
 mary V5.2.23
 A2002

Blas - (Result/Expected)-1 as defined by ANSI N13.30.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mde/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

Date: 15-Jan-13

SAMPLE RESULTS

Lab Name: TestAmerica **SDG:** 46237 **Collection Date:** 12/20/2012 11:55:00 AM **Primary Detector**
Lot-Sample No.: J2L280427-1 **Report No.:** 54260 **Received Date:** 12/26/2012 11:00:00 AM **Aliquot Size**
Client Sample ID: NW-02-GW(280-37285-2) **COC No.:** 280-165358.1 **Matrix:** WATER **Total Sa Size**
 Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rstf/MDL, Rst/TotUcert	Analysis, Prep Date	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3602045	RL-GPC-001		31.0	47.0	31.4	pCi/L	100%	(5.1)	17/13 01:33 p	17/13 01:33 p	0.0122	0.0122	GPC22B
	ALPHA	159.0					3.0	(6.7)				L	
Batch: 3002047	RL-GPC-001		13.0	17.0	17.0	pCi/L	100%	(5.2)	17/13 01:14 p	17/13 01:14 p	0.0256	0.0256	GPC28C
	BETA	88.9					4.0	(10.3)				L	

No. of Results: 2 Comments:

TestAmerica MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.
 Opt\$TLRchSample
 13V5.2.23 A2002



FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280423-1
 Client Sample ID: 231892-122012(280-37267-1) DUP
 SDG: 46235
 Report No.: 54260
 COC No.: 280-165322.1
 Collection Date: 12/20/2012 10:30:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUncert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002047	RL-GPC-001								Orig Sa DB ID: 9MXQFX10			
BETA	5.11	U	3.1	3.1	5.26	pCi/L	100%	0.97	1/7/13 01:14 p		0.0751	GPC26B
	5.85		RER2 0.3			4.0	(3.3)				L	

No. of Results: 1 Comments:

RER2 - Replicate Error Ratio = $(S-D)/\sqrt{sq(TPUs)^2 + sq(TPUD)}$ as defined by ICFT BOA.
 MDC|MDA, Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc|MDa|MDl, Total Uncert, CRDL, RDL or not identified by gamma scan software.



FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280427-1
 Client Sample ID: NW-02-GW(280-37285-2) DUP
 SDG: 46237
 Report No.: 54260
 COC No.: 280-165358.1
 Collection Date: 12/20/2012 11:55:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002045	RL-GPC-001								Orig Sa DB ID: 9MXQTD10			
ALPHA	138.0		27.0	42.0	24.4	pCi/L	100%	(5.7)	1/7/13 01:33 p		0.0126	GPC22C
	159.0		RER2 0.7			3.0		(6.6)			L	

No. of Results: 1 Comments:

TestAmerica
 rptSTLRechDupV5.
 2.23 A2002
 RER2 - Replicate Error Ratio = $(S-D)/\sqrt{sq((TPUS)^2 + sq(TPUd))}$ as defined by ICFT BOA.
 MDC(MDA, Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.



FORM II

Date: 15-Jan-13

BLANK RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54260

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Work Order: MXQ7A1AA Report DB ID: MXQ7A1AB												
Batch: 3002045	RL-GPC-001	U	0.42	0.44	0.652	pCi/L	100%	0.87	1/7/13 01:33 p	0.1988	L	GPC23B
ALPHA	0.570	U			0.287	3.0		(2.6)				
Work Order: MXQ7D1AA Report DB ID: MXQ7D1AB												
Batch: 3002047	RL-GPC-001	U	1.0	1.0	1.79	pCi/L	100%	0.61	1/7/13 04:55 p	0.1998	L	GPC26B
BETA	1.09	U			0.861	4.0		(2.1)				

No. of Results: 2 Comments:



FORM II

Date: 15-Jan-13

LCS RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54260

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 3002045 RL-GPC-001 Work Order: MXQ7A1AC Report DB ID: MXQ7A1CS													
ALPHA	37.5		2.1	8.6	0.754	pCi/L	100%	40.6	0.42	92%	17/13 01:33 p	0.2002	GPC23C
Rec Limits: 70 130 -0.1													
Batch: 3002047 RL-GPC-001 Work Order: MXQ7D1AC Report DB ID: MXQ7D1CS													
BETA	40.7		2.3	5.7	1.84	pCi/L	100%	40.8	1.6	100%	17/13 04:55 p	0.2007	GPC26C
Rec Limits: 70 130 0.0													

No. of Results: 2 Comments:

TestAmerica Bias -(Result/Expected)-1 as defined by ANSI N13.30.

TestAmerica
 rpt\$TLRchLcs
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FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46235
 Lot-Sample No.: J2L280423-2, 227284-122012(280-37267-2) Report No.: 54260 Matrix: WATER

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC(MDA)	Rpt Unit, CRDL	Yield	Recovery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002047	Work Order: MXQR31AD					Report DB ID: MXQR31DW	Orig Sa DB ID: 9MXQR310					
BETA	283.0		9.4	38.0	4.98	pCi/L	100%	98.33%	288.0 11.0	1/7/13 01:14 p	0.078 L	RL-GPC-001 GPC26D

Number of Results: 1

Comments:

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUD))] as defined by ICPT BOA.
 Bias - (Result/Expected)-1 as defined by ANSI N13.30.



FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46236 Matrix: WATER
 Lot-Sample No.: J2L280426-1, SE-01-GW(280-37307-4) Report No.: 54260

Parameter	Spike Result, Orig Rst	Count Error (2 s)	Total Uncert(2 s)	MDC(MDA	Rpt Unit, CRDL	Yield	Rec-covery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002045	Work Order: MXQR91AD	23.0	82.0	11.3	pCi/L	100%	101.47%	306.0	1/7/13 01:33 p	0.0265	RL-GPC-001
ALPHA	311.0	22.2						3.2		L	GPC22A


Number of Results: 1

Comments:

1/20 TestAmerica RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
 20 Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 30 V5.2.23 A2002



Chain of Custody Record

Client Information (Sub Contract Lab)		Lab POC Ryberg, Donna R	Carrier Tracking No(s):		COC No: 280-165388.1
Client Contact Shipping/Receiving		E-Mail: donna.ryberg@testamericainc.com	Pages: Page 1 of 1		
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 280-37285-1	
Address: 2800 George Washington Way, Richland State Zip: WA, 99352		Due Date Requested: 1/16/2013	SUBCONTRACT Gross Alpha, Gross Beta (Method 900.0)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - Nitrous Oxide F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SOS R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)
City: Richland		PO #:	Special Instructions/Notes:		
Phone: 509-375-3131 (Tel) 509-375-5590 (Fax)		WO #:	Matrix (W=water, S=solid, O=water, ST=Steam, A=air)		
Email:		Project #: 28009391	Sample Date	Sample Time	Sample Type (C=comp, G=grab)
U.S.G at 1-25		SSOW#:	12/20/12	11:55	G
Site:			12/20/12	Mountain	Water
Sample Identification - Client ID (Lab ID) NNW-02-GW (280-37285-2) JAL280427 506-46287 Due 1-22-13  J2L280427			X		
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by: Relinquished by: Relinquished by:		Date:	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Relinquished by: Relinquished by: Relinquished by:		Date:	Special Instructions/QC Requirements:		
Relinquished by: Relinquished by: Relinquished by:		Date:	Method of Shipment:		
Relinquished by: Relinquished by: Relinquished by:		Date:	Received by: Julie Box Lucas Received by: Veronique did not sign for when received on 12-26-12 Received by:		Date/Time: 12-28-12 Date/Time: when received on 12-26-12 Date/Time:
Relinquished by: Relinquished by: Relinquished by:		Date:	Company: TALK Company: TALK Company:		Company: TALK Company: TALK Company:
Custody Seals: Intact Yes: <input type="checkbox"/> No: <input type="checkbox"/>		Custody Seal No.		Cooler Temperature (°C) and Other Remarks:	



Sample Check-in List

Date/Time Received: 12-26-12 / 1100 GM Screen Result: (Airlock) .03 Initials [B]
(Sample Receiving) .05 Initials [B]

Client: STLD SDG #: 46237 NA [] SAF #: _____ NA [B]

Lot Number: Jal280427

Chain of Custody # 280-165358.1

Shipping Container ID: _____ NA [B]

Samples received inside shipping container/cooler/box Yes [B]] Continue with 1 through 4. Initial appropriate response.

No []] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [B]] No []] No Custody Seal []]
- 2. Custody Seals dated and signed? Yes [B]] No []] No Custody Seal []]
- 3. Cooler temperature: _____ °C NA [B]]
- 4. Vermiculite/packing materials is NA []] Wet []] Dry [B]]

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [B]] No []]
- 6. Number of samples received (Each sample may contain multiple bottles): 1
- 7. Containers received: 1 x LP

8. Sample holding times exceeded? NA []] Yes []] No [B]]

9. Samples have:
 tape [B] hazard labels
 custody seals [B] appropriate sample labels

10. Matrix:
 A (FLT, Wipe, Solid, Soil) [B] I (Water)
 S (Air, Niosh 7400) _____ T (Biological, Ni-63)

11. Samples:
[B] are in good condition _____ are leaking
 are broken _____ have air bubbles (Only for samples requiring no head space)
 Other _____

12. Sample pH appropriate for analysis requested Yes [B]] No []] NA []]
 (If acidification is necessary, then document sample ID, initial pH, amount of HNO₃ added and pH after addition on table overleaf)

RPL ID # of preservative used: W/A

13. Were any anomalies identified in sample receipt? Yes []] No [B]]

14. Description of anomalies (include sample numbers): NA [B]

15. Sample Location, Sample Collector Listed on COC? * Yes No
*For documentation only. No corrective action needed.

16. Additional Information: W/A

Client/Courier denied temperature check. Client/Courier unpack cooler.

Sample Custodian: Juan Lopez Date: 12-27-12

Client Informed on _____ by _____ Person contacted _____

No action necessary; process as is
Project Manager Erika Ford Date 1/2/13

SAMPLE ID	Initial pH	Acid Amt	Final pH	SAMPLE ID	Initial pH	Acid Amt	Final pH							
<i>Blank</i> 12-27-12				<i>Blank</i> 12-27-12										

Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37285-1

Login Number: 37285

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	N/A	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

Sampler ID JK
 Temperature on Receipt 31
 Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAL-4124-280 (0508)

Client: RMC Consultants, Inc
 Address: 12285 W 48th Ave, Unit A
 City: Wheat Ridge
 State: CO
 Zip Code: 80033

Project Manager: Claude Murray
 Telephone Number (Area Code)/Fax Number: 303 980 4101

Date: 12/20/2012
 Chain of Custody Number: 170749
 Page 1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH		
NW-02-0	12/20/12	0840			X	4							X	8260 B 6010B/7470A 8270C 6010B/7470A PH/TSS O & G 50855 A/B	
NW-02-GW		1155	X			5							X		
NW-02-25		0933			X	3							X		
NW-02-37		1004			X	3							X		
NW-02-14up	12/20/12		X			2							X		

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months

Sample Disposal: A Fee may be assessed if samples are retained longer than 1 month

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other STD

1. Relinquished By: *Stan M...* Date: 12/20/12 Time: 1644
 Received By: *James Rydberg* Date: 12/20/12 Time: 1644

2. Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

3. Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37285-2
Client Project/Site: U.S.6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/8/2013 8:46:38 AM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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14

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Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	8
Detection Summary	10
Method Summary	12
Sample Summary	13
Client Sample Results	14
Surrogate Summary	27
QC Association	30
QC Sample Results	36
Chronicle	68
Subcontract Data	70
Receipt Checklists	73
Chain of Custody	74

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Job ID: 280-37285-2

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc.

Project: U.S.6 at I-25

Report Number: 280-37285-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Samples were received at the Denver laboratory on December 20, 2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler upon receipt was 3.1°C.

The sample requiring Gross A/B was subbed to the TestAmerica Richland laboratory at 2800 George Washington Way, Richland WA 99352 for analysis. This sample was logged and will be reported under a separate job (280-37285-1). Data will not be found in this report.

The report for the Asbestos sample will be found at the back of this report.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

The compound Cis 1,3-Dichloropropene (+28.1) was outside control limits in the continuing calibration verification (CCV) associated with batch 280-153976. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 3 DOD analytes to be outside limits of 20% but within 30%; therefore, the data have been reported.

Acetone and Bromoform were detected in method blank MB 280-153850/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged.

Several surrogate and spike recoveries were outside control limits in the MS and MSD samples associated with batch 280-153854. This MS/MSD batch was performed on a sample from another client and/or job. The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

Carbon Disulfide and 2-Hexanone were detected in method blank MB 280-153984/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged.

Several spike recoveries were outside control limits in the MS and MSD samples associated with batch 280-153976. The associated LCS

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Job ID: 280-37285-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) WATER

Sample NW-02-GW (280-37285-2) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Methylene Chloride was detected in method blank MB 280-153993/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The MSD associated with batch 280-280-153993 demonstrated spike recoveries outside control limits for 2-Butanone and Toluene. The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) WATER

Sample NW-02-GW (280-37285-2) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C.

Matrix spike samples were not requested and they were not performed in batch 280-153874 due to insufficient sample volume. The acceptable LCS and LCSD provide evidence of batch precision and accuracy.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES SOIL

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A.

The MS and MSD samples associated with batch 280-154261 were analyzed at a dilution causing spike recoveries to be outside control limits for some compounds. The associated LCS was in control and provides evidence that operating procedures were in control.

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) SOIL

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082.

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES SOILS

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A.

Sample NW-02-O was analyzed at a dilution to protect the integrity of the instrument due to the nature of the sample matrix (the extract was

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Job ID: 280-37285-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

dark yellow/brown in color). The reporting limits were raised accordingly.

The surrogate recovery method blank MB 280-153862/1-A was outside control limits biased high. There were no target analytes detected in the method blank. Therefore, data was not compromised. Also all associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

The laboratory control sample (LCS) for prep batch 280-154361 exceeded control limits for the following analyte: 2,4-D. This analyte is biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Data was flagged accordingly.

The continuing calibration verification (CCV) for 2,4,5-T associated with analytical batch 280-154361 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The MS and MSD spike recoveries for Dinoseb failed the recovery criteria low in batch 280-154361. Surrogate and spike recoveries were calculated on diluted samples.

No other difficulties were encountered during the herbicides analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS SOILS

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for total metals in accordance with EPA SW-846 Method 6010B.

The MS and MSD spike recoveries for Lead failed the recovery in batch 280-154235. The associated LCS was in control and demonstrates that operating procedures were in control. No further action was required.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS WATER

Sample NW-02-GW (280-37285-2) was analyzed for dissolved metals in accordance with EPA SW-846 Method 6010B.

Selenium was detected in method blank MB 280-153635/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other anomalies were observed.

TOTAL METALS WATER

Sample NW-02-GW (280-37285-2) was analyzed for total metals in accordance with EPA SW-846 Method 6010B.

Barium, Cadmium and Chromium were detected in method blank MB 280-153434/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY - WATER

Sample NW-02-GW (280-37285-2) was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A.

No difficulties were encountered during the dissolved mercury analysis.

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Job ID: 280-37285-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

All quality control parameters were within the acceptance limits.

TOTAL MERCURY - WATER

Sample NW-02-GW (280-37285-2) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A.

Mercury was detected in method blank MB 280-153532/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The MS and MSD spike recoveries for Mercury failed the recovery criteria in batch 280-154037. The associated LCS was in control and provides evidence that operating procedures were in control.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - SOILS

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A.

The MS and MSD spike recoveries for Mercury failed the recovery criteria in batch 280-153837. The associated LCS was in control and provides evidence that operating procedures were in control.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

OIL AND GREASE (HEM) - WATER

Sample NW-02-GW (280-37285-2) was analyzed for oil and grease (HEM) in accordance with EPA Method 1664A. The samples were prepared and analyzed on 12/29/2012.

No difficulties were encountered during the oil and grease analysis.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS - WATER

Sample NW-02-GW (280-37285-2) was analyzed for total suspended solids in accordance with SM20 2540D.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

PH - WATER

Sample NW-02-GW (280-37285-2) was analyzed for pH in accordance with EPA SW-846 9040C.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples NW-02-O (280-37285-1), NW-02-25 (280-37285-3) and NW-02-37 (280-37285-4) were analyzed for percent solids in accordance with EPA SW846 3550C.

No difficulties were encountered during the % solids analyses.

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Job ID: 280-37285-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

All quality control parameters were within the acceptance limits.

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Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

TestAmerica Denver

Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Client Sample ID: NW-02-O

Lab Sample ID: 280-37285-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J B	21	5.6	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	2.2	J	21	1.9	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	4.7	J	10	2.9	ug/Kg	1	☼	8260B	Total/NA
4,4'-DDT	3.2	p	1.8	0.61	ug/Kg	1	☼	8081A	Total/NA
Chlordane (n.o.s.)	0.70	J p	1.8	0.22	ug/Kg	1	☼	8081A	Total/NA
PCB-1260	24	J	35	2.8	ug/Kg	1	☼	8082	Total/NA
Polychlorinated biphenyls, Total	24	J	35	2.8	ug/Kg	1	☼	8082	Total/NA
Arsenic	4000		1900	630	ug/Kg	1	☼	6010B	Total/NA
Barium	120000		960	73	ug/Kg	1	☼	6010B	Total/NA
Cadmium	620		480	39	ug/Kg	1	☼	6010B	Total/NA
Chromium	13000		1400	56	ug/Kg	1	☼	6010B	Total/NA
Lead	220000		770	260	ug/Kg	1	☼	6010B	Total/NA
Mercury	120		21	6.7	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: NW-02-GW

Lab Sample ID: 280-37285-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.1	J	9.7	0.54	ug/L	1		8270C	Total/NA
Arsenic	27		15	4.4	ug/L	1		6010B	Total/NA
Barium	650	B	10	0.58	ug/L	1		6010B	Total/NA
Cadmium	8.4	B	5.0	0.45	ug/L	1		6010B	Total/NA
Chromium	77	B	10	0.66	ug/L	1		6010B	Total/NA
Lead	54		9.0	2.6	ug/L	1		6010B	Total/NA
Selenium	11	J	15	4.9	ug/L	1		6010B	Total/NA
Barium	170		10	0.58	ug/L	1		6010B	Dissolved
Cadmium	0.61	J	5.0	0.45	ug/L	1		6010B	Dissolved
Selenium	12	J B	15	4.9	ug/L	1		6010B	Dissolved
Mercury	0.11	J B	0.20	0.027	ug/L	1		7470A	Total/NA
pH adj. to 25 deg C	7.07	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.0	HF	1.00	1.00	Degrees C	1		9040C	Total/NA
Total Suspended Solids	2400		100	28	mg/L	1		SM 2540D	Total/NA

Client Sample ID: NW-02-25

Lab Sample ID: 280-37285-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	5.5	J	5.6	0.45	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	12		5.6	0.47	ug/Kg	1	☼	8260B	Total/NA
Arsenic	4100		2000	650	ug/Kg	1	☼	6010B	Total/NA
Barium	170000		980	74	ug/Kg	1	☼	6010B	Total/NA
Cadmium	270	J	490	40	ug/Kg	1	☼	6010B	Total/NA
Chromium	13000		1500	57	ug/Kg	1	☼	6010B	Total/NA
Lead	15000		780	260	ug/Kg	1	☼	6010B	Total/NA
Mercury	38		17	5.6	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: NW-02-37

Lab Sample ID: 280-37285-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	78		26	6.9	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	17	J	26	2.4	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	5.2	J	6.4	0.51	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	11		6.4	0.54	ug/Kg	1	☼	8260B	Total/NA
Arsenic	6100		2500	810	ug/Kg	1	☼	6010B	Total/NA

TestAmerica Denver

Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Client Sample ID: NW-02-37 (Continued)

Lab Sample ID: 280-37285-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	130000		1200	94	ug/Kg	1	☼	6010B	Total/NA
Cadmium	120	J	620	50	ug/Kg	1	☼	6010B	Total/NA
Chromium	17000		1800	71	ug/Kg	1	☼	6010B	Total/NA
Lead	13000		980	330	ug/Kg	1	☼	6010B	Total/NA
Selenium	1100	J	1600	1100	ug/Kg	1	☼	6010B	Total/NA
Mercury	13	J	25	8.1	ug/Kg	1	☼	7471A	Total/NA

Method Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
7471A	Mercury (CVAA)	SW846	TAL DEN
1664A	Oil & Grease (HEM)	EPA	TAL DEN
9040C	pH	SW846	TAL DEN
Moisture	Percent Moisture	EPA	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
Local Method	General Sub Contract Method	NONE	EMLab-OC

Protocol References:

EPA = US Environmental Protection Agency

NONE = NONE

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-37285-1	NW-02-O	Solid	12/20/12 08:40	12/20/12 16:44
280-37285-2	NW-02-GW	Water	12/20/12 11:55	12/20/12 16:44
280-37285-3	NW-02-25	Solid	12/20/12 09:33	12/20/12 16:44
280-37285-4	NW-02-37	Solid	12/20/12 10:04	12/20/12 16:44

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Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15	J B	21	5.6	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
2-Butanone (MEK)	2.2	J	21	1.9	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Benzene	ND		5.2	0.49	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chlorobenzene	ND		5.2	0.56	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Carbon disulfide	ND		5.2	0.44	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Carbon tetrachloride	ND		5.2	0.65	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Cyclohexane	ND		5.2	0.42	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2-Dibromo-3-Chloropropane	ND		10	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Bromomethane	ND		10	0.52	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Bromoform	ND		5.2	0.24	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chloroethane	ND		10	0.92	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chloroform	ND		10	0.30	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chlorobromomethane	ND		5.2	0.31	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Dichlorobromomethane	ND		5.2	0.23	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chlorodibromomethane	ND		5.2	0.59	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Isopropylbenzene	ND		5.2	0.61	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
2-Hexanone	ND		21	5.1	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Chloromethane	ND		10	0.80	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Dichlorodifluoromethane	ND		10	0.54	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
trans-1,2-Dichloroethene	ND		2.6	0.40	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
trans-1,3-Dichloropropene	ND		5.2	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Methylene Chloride	ND		5.2	1.7	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Methyl acetate	4.7	J	10	2.9	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Methyl tert-butyl ether	ND		21	0.35	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
4-Methyl-2-pentanone (MIBK)	ND		21	4.5	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Methylcyclohexane	ND		5.2	0.44	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Styrene	ND		5.2	0.65	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1,1,2-Tetrachloroethane	ND		5.2	0.63	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2,3-Trichlorobenzene	ND		5.2	0.78	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2,4-Trichlorobenzene	ND		5.2	0.76	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Toluene	ND		5.2	0.72	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1,1-Trichloroethane	ND		5.2	0.54	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1,2-Trichloroethane	ND		5.2	0.91	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Trichloroethene	ND		5.2	0.24	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1,2-Trichlorotrifluoroethane	ND		21	0.47	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Vinyl chloride	ND		5.2	1.4	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
m-Xylene & p-Xylene	ND		2.6	1.1	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
o-Xylene	ND		2.6	0.63	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Tetrachloroethene	ND		5.2	0.61	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2-Dichlorobenzene	ND		5.2	0.47	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,3-Dichlorobenzene	ND		5.2	0.50	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
cis-1,2-Dichloroethene	ND		2.6	0.58	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
cis-1,3-Dichloropropene	ND		5.2	1.3	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1-Dichloroethane	ND		5.2	0.22	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,1-Dichloroethene	ND		5.2	0.61	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2-Dichloroethane	ND		5.2	0.73	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2-Dichloropropane	ND		5.2	0.57	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,4-Dioxane	ND		520	58	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.2	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
1,2-Dibromoethane	ND		5.2	0.54	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Trichlorofluoromethane	ND		10	1.1	ug/Kg	☼	12/26/12 16:00	12/27/12 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 140				12/26/12 16:00	12/27/12 02:53	1
Toluene-d8 (Surr)	94		80 - 126				12/26/12 16:00	12/27/12 02:53	1
4-Bromofluorobenzene (Surr)	94		76 - 127				12/26/12 16:00	12/27/12 02:53	1
Dibromofluoromethane (Surr)	102		75 - 121				12/26/12 16:00	12/27/12 02:53	1

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			12/28/12 12:48	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			12/28/12 12:48	1
Benzene	ND		1.0	0.16	ug/L			12/28/12 12:48	1
Chlorobenzene	ND		1.0	0.17	ug/L			12/28/12 12:48	1
Carbon disulfide	ND		2.0	0.45	ug/L			12/28/12 12:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			12/28/12 12:48	1
Cyclohexane	ND		2.0	0.28	ug/L			12/28/12 12:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			12/28/12 12:48	1
Bromomethane	ND		2.0	0.21	ug/L			12/28/12 12:48	1
Bromoform	ND		1.0	0.19	ug/L			12/28/12 12:48	1
Chloroethane	ND		2.0	0.41	ug/L			12/28/12 12:48	1
Chloroform	ND		1.0	0.16	ug/L			12/28/12 12:48	1
Chlorobromomethane	ND		1.0	0.10	ug/L			12/28/12 12:48	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			12/28/12 12:48	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			12/28/12 12:48	1
Isopropylbenzene	ND		1.0	0.19	ug/L			12/28/12 12:48	1
2-Hexanone	ND		5.0	1.7	ug/L			12/28/12 12:48	1
Chloromethane	ND		2.0	0.30	ug/L			12/28/12 12:48	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			12/28/12 12:48	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 12:48	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			12/28/12 12:48	1
Methylene Chloride	ND		2.0	0.32	ug/L			12/28/12 12:48	1
Methyl acetate	ND		5.0	1.6	ug/L			12/28/12 12:48	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			12/28/12 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			12/28/12 12:48	1
Methylcyclohexane	ND		1.0	0.36	ug/L			12/28/12 12:48	1
Styrene	ND		1.0	0.17	ug/L			12/28/12 12:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/28/12 12:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 12:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 12:48	1
Toluene	ND		1.0	0.17	ug/L			12/28/12 12:48	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			12/28/12 12:48	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			12/28/12 12:48	1
Trichloroethene	ND		1.0	0.16	ug/L			12/28/12 12:48	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			12/28/12 12:48	1
Vinyl chloride	ND		1.0	0.10	ug/L			12/28/12 12:48	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			12/28/12 12:48	1
o-Xylene	ND		1.0	0.19	ug/L			12/28/12 12:48	1
Tetrachloroethene	ND		1.0	0.20	ug/L			12/28/12 12:48	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			12/28/12 12:48	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			12/28/12 12:48	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			12/28/12 12:48	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 12:48	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			12/28/12 12:48	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			12/28/12 12:48	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			12/28/12 12:48	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			12/28/12 12:48	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			12/28/12 12:48	1
1,4-Dioxane	ND		200	57	ug/L			12/28/12 12:48	1
Ethylbenzene	ND		1.0	0.16	ug/L			12/28/12 12:48	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			12/28/12 12:48	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			12/28/12 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 127					12/28/12 12:48	1
Toluene-d8 (Surr)	91		80 - 125					12/28/12 12:48	1
4-Bromofluorobenzene (Surr)	87		78 - 120					12/28/12 12:48	1
Dibromofluoromethane (Surr)	96		77 - 120					12/28/12 12:48	1

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	6.1	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
2-Butanone (MEK)	ND		23	2.1	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Benzene	ND		5.6	0.53	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chlorobenzene	ND		5.6	0.61	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Carbon disulfide	ND		5.6	0.47	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Carbon tetrachloride	ND		5.6	0.71	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Cyclohexane	5.5	J	5.6	0.45	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2-Dibromo-3-Chloropropane	ND		11	0.68	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Bromomethane	ND		11	0.56	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Bromoform	ND		5.6	0.26	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chloroethane	ND		11	1.0	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chloroform	ND		11	0.33	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chlorobromomethane	ND		5.6	0.34	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Dichlorobromomethane	ND		5.6	0.25	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chlorodibromomethane	ND		5.6	0.64	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Isopropylbenzene	ND		5.6	0.66	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
2-Hexanone	ND		23	5.5	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Chloromethane	ND		11	0.87	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Dichlorodifluoromethane	ND		11	0.59	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
trans-1,2-Dichloroethene	ND		2.8	0.44	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
trans-1,3-Dichloropropene	ND		5.6	0.75	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Methylene Chloride	ND		5.6	1.8	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Methyl acetate	ND		11	3.1	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		23	0.38	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
4-Methyl-2-pentanone (MIBK)	ND		23	4.9	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Methylcyclohexane	12		5.6	0.47	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Styrene	ND		5.6	0.71	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.69	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2,3-Trichlorobenzene	ND		5.6	0.84	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2,4-Trichlorobenzene	ND		5.6	0.82	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Toluene	ND		5.6	0.78	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1,1-Trichloroethane	ND		5.6	0.59	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1,2-Trichloroethane	ND		5.6	0.99	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Trichloroethene	ND		5.6	0.26	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1,2-Trichlorotrifluoroethane	ND		23	0.51	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Vinyl chloride	ND		5.6	1.5	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
m-Xylene & p-Xylene	ND		2.8	1.2	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
o-Xylene	ND		2.8	0.69	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Tetrachloroethene	ND		5.6	0.66	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2-Dichlorobenzene	ND		5.6	0.51	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,3-Dichlorobenzene	ND		5.6	0.54	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,4-Dichlorobenzene	ND		5.6	0.88	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
cis-1,2-Dichloroethene	ND		2.8	0.63	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
cis-1,3-Dichloropropene	ND	^	5.6	1.5	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1-Dichloroethane	ND		5.6	0.24	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,1-Dichloroethene	ND		5.6	0.66	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2-Dichloroethane	ND		5.6	0.79	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2-Dichloropropane	ND		5.6	0.62	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,4-Dioxane	ND		560	63	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Ethylbenzene	ND		5.6	0.75	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
1,2-Dibromoethane	ND		5.6	0.59	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Trichlorofluoromethane	ND		11	1.2	ug/Kg	☼	12/27/12 16:00	12/28/12 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		58 - 140				12/27/12 16:00	12/28/12 05:29	1
Toluene-d8 (Surr)	107		80 - 126				12/27/12 16:00	12/28/12 05:29	1
4-Bromofluorobenzene (Surr)	104		76 - 127				12/27/12 16:00	12/28/12 05:29	1
Dibromofluoromethane (Surr)	90		75 - 121				12/27/12 16:00	12/28/12 05:29	1

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	78		26	6.9	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
2-Butanone (MEK)	17	J	26	2.4	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Benzene	ND		6.4	0.60	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Chlorobenzene	ND		6.4	0.69	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Carbon disulfide	ND		6.4	0.54	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Carbon tetrachloride	ND		6.4	0.81	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Cyclohexane	5.2	J	6.4	0.51	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2-Dibromo-3-Chloropropane	ND		13	0.77	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Bromomethane	ND		13	0.64	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Bromoform	ND		6.4	0.30	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		13	1.1	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Chloroform	ND		13	0.37	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Chlorobromomethane	ND		6.4	0.39	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Dichlorobromomethane	ND		6.4	0.28	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Chlorodibromomethane	ND		6.4	0.73	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Isopropylbenzene	ND		6.4	0.76	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
2-Hexanone	ND		26	6.3	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Chloromethane	ND		13	0.99	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Dichlorodifluoromethane	ND		13	0.67	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
trans-1,2-Dichloroethene	ND		3.2	0.50	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
trans-1,3-Dichloropropene	ND		6.4	0.86	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Methylene Chloride	ND		6.4	2.1	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Methyl acetate	ND		13	3.5	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Methyl tert-butyl ether	ND		26	0.44	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
4-Methyl-2-pentanone (MIBK)	ND		26	5.6	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Methylcyclohexane	11		6.4	0.54	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Styrene	ND		6.4	0.81	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1,1,2-Tetrachloroethane	ND		6.4	0.78	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2,3-Trichlorobenzene	ND		6.4	0.97	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2,4-Trichlorobenzene	ND		6.4	0.94	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Toluene	ND		6.4	0.89	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1,1-Trichloroethane	ND		6.4	0.67	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1,2-Trichloroethane	ND		6.4	1.1	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Trichloroethene	ND		6.4	0.30	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1,2-Trichlorotrifluoroethane	ND		26	0.58	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Vinyl chloride	ND		6.4	1.7	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
m-Xylene & p-Xylene	ND		3.2	1.3	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
o-Xylene	ND		3.2	0.78	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Tetrachloroethene	ND		6.4	0.76	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2-Dichlorobenzene	ND		6.4	0.58	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,3-Dichlorobenzene	ND		6.4	0.62	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,4-Dichlorobenzene	ND		6.4	1.0	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
cis-1,2-Dichloroethene	ND		3.2	0.72	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
cis-1,3-Dichloropropene	ND	^	6.4	1.7	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1-Dichloroethane	ND		6.4	0.27	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,1-Dichloroethene	ND		6.4	0.76	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2-Dichloroethane	ND		6.4	0.90	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2-Dichloropropane	ND		6.4	0.71	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,4-Dioxane	ND		640	72	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Ethylbenzene	ND		6.4	0.86	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
1,2-Dibromoethane	ND		6.4	0.67	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Trichlorofluoromethane	ND		13	1.3	ug/Kg	☼	12/27/12 16:00	12/28/12 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 140				12/27/12 16:00	12/28/12 06:26	1
Toluene-d8 (Surr)	106		80 - 126				12/27/12 16:00	12/28/12 06:26	1
4-Bromofluorobenzene (Surr)	103		76 - 127				12/27/12 16:00	12/28/12 06:26	1
Dibromofluoromethane (Surr)	91		75 - 121				12/27/12 16:00	12/28/12 06:26	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.7	1.7	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,2,4,5-Tetrachlorobenzene	ND		9.7	1.7	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,2,4-Trichlorobenzene	ND		3.9	0.27	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,2-Dichlorobenzene	ND		3.9	0.22	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,3-Dichlorobenzene	ND		9.7	0.29	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,4-Dichlorobenzene	ND		3.9	0.31	ug/L		12/22/12 15:00	12/27/12 15:43	1
1,4-Dioxane	ND		19	1.6	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4,6-Trichlorophenol	ND		9.7	0.28	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4-Dichlorophenol	ND		9.7	0.62	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,2'-oxybis[1-chloropropane]	ND		9.7	0.27	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,3,4,6-Tetrachlorophenol	ND		49	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4,5-Trichlorophenol	ND		9.7	0.44	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4-Dimethylphenol	ND		9.7	0.56	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4-Dinitrophenol	ND		29	9.7	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,4-Dinitrotoluene	ND		9.7	1.6	ug/L		12/22/12 15:00	12/27/12 15:43	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Chloronaphthalene	ND		3.9	0.25	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Chlorophenol	ND		9.7	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Methylnaphthalene	ND		3.9	0.28	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Methylphenol	ND		9.7	0.95	ug/L		12/22/12 15:00	12/27/12 15:43	1
3 & 4 Methylphenol	ND		9.7	0.24	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Nitroaniline	ND		9.7	1.7	ug/L		12/22/12 15:00	12/27/12 15:43	1
2-Nitrophenol	ND		9.7	0.38	ug/L		12/22/12 15:00	12/27/12 15:43	1
3,3'-Dichlorobenzidine	ND		49	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
3-Nitroaniline	ND		9.7	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
4,6-Dinitro-2-methylphenol	ND		49	3.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Bromophenyl phenyl ether	ND		9.7	0.42	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Chloro-3-methylphenol	ND		9.7	2.3	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Chloroaniline	ND		9.7	2.1	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Chlorophenyl phenyl ether	ND		9.7	1.6	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Nitroaniline	ND		9.7	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
4-Nitrophenol	ND		9.7	1.2	ug/L		12/22/12 15:00	12/27/12 15:43	1
Acenaphthene	ND		3.9	0.27	ug/L		12/22/12 15:00	12/27/12 15:43	1
Acenaphthylene	ND		3.9	0.48	ug/L		12/22/12 15:00	12/27/12 15:43	1
Acetophenone	ND		9.7	0.23	ug/L		12/22/12 15:00	12/27/12 15:43	1
Anthracene	ND		3.9	0.41	ug/L		12/22/12 15:00	12/27/12 15:43	1
Atrazine	ND		9.7	0.71	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzaldehyde	ND		9.7	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzo[a]pyrene	ND		3.9	0.30	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzo[b]fluoranthene	ND		3.9	0.52	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzo[g,h,i]perylene	ND		3.9	0.49	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzo[k]fluoranthene	ND		3.9	0.45	ug/L		12/22/12 15:00	12/27/12 15:43	1
Benzo[a]anthracene	ND		3.9	0.34	ug/L		12/22/12 15:00	12/27/12 15:43	1
Bis(2-chloroethoxy)methane	ND		9.7	0.94	ug/L		12/22/12 15:00	12/27/12 15:43	1
Bis(2-chloroethyl)ether	ND		9.7	0.40	ug/L		12/22/12 15:00	12/27/12 15:43	1
Bis(2-ethylhexyl) phthalate	2.1	J	9.7	0.54	ug/L		12/22/12 15:00	12/27/12 15:43	1
Butyl benzyl phthalate	ND		3.9	0.97	ug/L		12/22/12 15:00	12/27/12 15:43	1
Caprolactam	ND		9.7	4.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
Carbazole	ND		3.9	0.42	ug/L		12/22/12 15:00	12/27/12 15:43	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		3.9	0.52	ug/L		12/22/12 15:00	12/27/12 15:43	1
Dibenz(a,h)anthracene	ND		3.9	0.50	ug/L		12/22/12 15:00	12/27/12 15:43	1
Di-n-butyl phthalate	ND		3.9	1.1	ug/L		12/22/12 15:00	12/27/12 15:43	1
Di-n-octyl phthalate	ND		3.9	0.34	ug/L		12/22/12 15:00	12/27/12 15:43	1
Dibenzofuran	ND		3.9	0.28	ug/L		12/22/12 15:00	12/27/12 15:43	1
Diethyl phthalate	ND		3.9	0.37	ug/L		12/22/12 15:00	12/27/12 15:43	1
Dimethyl phthalate	ND		3.9	0.20	ug/L		12/22/12 15:00	12/27/12 15:43	1
Fluoranthene	ND		3.9	0.19	ug/L		12/22/12 15:00	12/27/12 15:43	1
Fluorene	ND		3.9	0.30	ug/L		12/22/12 15:00	12/27/12 15:43	1
Hexachlorobenzene	ND		9.7	0.64	ug/L		12/22/12 15:00	12/27/12 15:43	1
Hexachlorobutadiene	ND		9.7	3.2	ug/L		12/22/12 15:00	12/27/12 15:43	1
Hexachlorocyclopentadiene	ND		49	9.7	ug/L		12/22/12 15:00	12/27/12 15:43	1
Hexachloroethane	ND		9.7	2.0	ug/L		12/22/12 15:00	12/27/12 15:43	1
Indeno[1,2,3-cd]pyrene	ND		3.9	0.63	ug/L		12/22/12 15:00	12/27/12 15:43	1
Isophorone	ND		9.7	0.20	ug/L		12/22/12 15:00	12/27/12 15:43	1
N-Nitrosodi-n-propylamine	ND		9.7	0.34	ug/L		12/22/12 15:00	12/27/12 15:43	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		9.7	0.43	ug/L		12/22/12 15:00	12/27/12 15:43	1
Naphthalene	ND		3.9	0.28	ug/L		12/22/12 15:00	12/27/12 15:43	1
Nitrobenzene	ND		9.7	0.79	ug/L		12/22/12 15:00	12/27/12 15:43	1
Pentachlorophenol	ND		49	19	ug/L		12/22/12 15:00	12/27/12 15:43	1
Phenanthrene	ND		3.9	0.25	ug/L		12/22/12 15:00	12/27/12 15:43	1
Phenol	ND		9.7	1.9	ug/L		12/22/12 15:00	12/27/12 15:43	1
Pyrene	ND		9.7	0.36	ug/L		12/22/12 15:00	12/27/12 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	80		51 - 120	12/22/12 15:00	12/27/12 15:43	1
Phenol-d5	86		51 - 120	12/22/12 15:00	12/27/12 15:43	1
2,4,6-Tribromophenol	86		57 - 120	12/22/12 15:00	12/27/12 15:43	1
2-Fluorobiphenyl	78		38 - 120	12/22/12 15:00	12/27/12 15:43	1
Nitrobenzene-d5	85		48 - 120	12/22/12 15:00	12/27/12 15:43	1
Terphenyl-d14	83		50 - 120	12/22/12 15:00	12/27/12 15:43	1

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.57	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
4,4'-DDE	ND		1.8	0.25	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
4,4'-DDT	3.2	p	1.8	0.61	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Aldrin	ND		1.8	0.26	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
alpha-BHC	ND		1.8	0.22	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
beta-BHC	ND		1.8	0.69	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Chlordane (n.o.s.)	0.70	J p	1.8	0.22	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
delta-BHC	ND		1.8	0.42	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Dieldrin	ND		1.8	0.22	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Endosulfan I	ND		1.8	0.18	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Endosulfan II	ND		1.8	0.30	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.8	0.29	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Endrin	ND		1.8	0.32	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Endrin aldehyde	ND		1.8	0.18	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
gamma-BHC (Lindane)	ND		1.8	0.48	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Heptachlor	ND		1.8	0.22	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Heptachlor epoxide	ND		1.8	0.44	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Methoxychlor	ND		3.4	0.47	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Toxaphene	ND		69	16	ug/Kg	☼	12/24/12 11:15	12/28/12 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		63 - 124				12/24/12 11:15	12/28/12 20:50	1
Tetrachloro-m-xylene	84		59 - 115				12/24/12 11:15	12/28/12 20:50	1

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.60	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
4,4'-DDE	ND		1.9	0.26	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
4,4'-DDT	ND		1.9	0.64	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Aldrin	ND		1.9	0.27	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
alpha-BHC	ND		1.9	0.23	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
beta-BHC	ND		1.9	0.72	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Chlordane (n.o.s.)	ND		1.9	0.23	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
delta-BHC	ND		1.9	0.44	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Dieldrin	ND		1.9	0.23	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Endosulfan I	ND		1.9	0.19	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Endosulfan II	ND		1.9	0.31	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Endosulfan sulfate	ND		1.9	0.30	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Endrin	ND		1.9	0.33	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Endrin aldehyde	ND		1.9	0.19	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
gamma-BHC (Lindane)	ND		1.9	0.51	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Heptachlor	ND		1.9	0.23	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Heptachlor epoxide	ND		1.9	0.47	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Methoxychlor	ND		3.6	0.49	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Toxaphene	ND		73	17	ug/Kg	☼	12/24/12 11:15	12/28/12 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		63 - 124				12/24/12 11:15	12/28/12 21:08	1
Tetrachloro-m-xylene	76		59 - 115				12/24/12 11:15	12/28/12 21:08	1

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.1	0.68	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
4,4'-DDE	ND		2.1	0.30	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
4,4'-DDT	ND		2.1	0.74	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Aldrin	ND		2.1	0.31	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
alpha-BHC	ND		2.1	0.27	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		2.1	0.83	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Chlordane (n.o.s.)	ND		2.1	0.27	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
delta-BHC	ND		2.1	0.50	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Dieldrin	ND		2.1	0.26	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Endosulfan I	ND		2.1	0.22	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Endosulfan sulfate	ND		2.1	0.35	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Endrin	ND		2.1	0.38	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Endrin aldehyde	ND		2.1	0.21	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
gamma-BHC (Lindane)	ND		2.1	0.58	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Heptachlor	ND		2.1	0.27	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Heptachlor epoxide	ND		2.1	0.53	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Methoxychlor	ND		4.1	0.56	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Toxaphene	ND		84	20	ug/Kg	☼	12/24/12 11:15	12/28/12 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		63 - 124				12/24/12 11:15	12/28/12 21:25	1
Tetrachloro-m-xylene	83		59 - 115				12/24/12 11:15	12/28/12 21:25	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		35	5.3	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1221	ND		49	16	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1232	ND		35	5.4	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1242	ND		35	9.6	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1248	ND		35	5.9	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1254	ND		35	5.8	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1260	24	J	35	2.8	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1262	ND		35	12	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
PCB-1268	ND		35	4.1	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
Polychlorinated biphenyls, Total	24	J	35	2.8	ug/Kg	☼	12/21/12 16:15	12/31/12 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		59 - 130				12/21/12 16:15	12/31/12 19:35	1
Tetrachloro-m-xylene	79		53 - 128				12/21/12 16:15	12/31/12 19:35	1

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		35	5.4	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1221	ND		50	16	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1232	ND		35	5.4	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1242	ND		35	9.6	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1248	ND		35	5.9	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1254	ND		35	5.8	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		35	2.8	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1262	ND		35	12	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
PCB-1268	ND		35	4.2	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
Polychlorinated biphenyls, Total	ND		35	2.8	ug/Kg	☼	12/21/12 16:15	12/31/12 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		59 - 130				12/21/12 16:15	12/31/12 20:45	1
Tetrachloro-m-xylene	72		53 - 128				12/21/12 16:15	12/31/12 20:45	1

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		42	6.5	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1221	ND		60	20	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1232	ND		42	6.5	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1242	ND		42	12	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1248	ND		42	7.1	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1254	ND		42	7.0	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1260	ND		42	3.4	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1262	ND		42	15	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
PCB-1268	ND		42	5.0	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
Polychlorinated biphenyls, Total	ND		42	3.4	ug/Kg	☼	12/21/12 16:15	12/31/12 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		59 - 130				12/21/12 16:15	12/31/12 21:08	1
Tetrachloro-m-xylene	80		53 - 128				12/21/12 16:15	12/31/12 21:08	1

Method: 8151A - Herbicides (GC)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND	*	400	71	ug/Kg	☼	12/27/12 08:40	01/02/13 21:01	5
Dinoseb	ND		61	7.1	ug/Kg	☼	12/27/12 08:40	01/02/13 21:01	5
2,4,5-T	ND		100	12	ug/Kg	☼	12/27/12 08:40	01/02/13 21:01	5
Silvex (2,4,5-TP)	ND		100	7.1	ug/Kg	☼	12/27/12 08:40	01/02/13 21:01	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	104	D	31 - 105				12/27/12 08:40	01/02/13 21:01	5

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND	*	91	16	ug/Kg	☼	12/27/12 08:40	01/02/13 21:24	1
Dinoseb	ND		14	1.6	ug/Kg	☼	12/27/12 08:40	01/02/13 21:24	1
2,4,5-T	ND		23	2.6	ug/Kg	☼	12/27/12 08:40	01/02/13 21:24	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	12/27/12 08:40	01/02/13 21:24	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		31 - 105	12/27/12 08:40	01/02/13 21:24	1

Client Sample ID: NW-02-37 **Lab Sample ID: 280-37285-4**
Date Collected: 12/20/12 10:04 **Matrix: Solid**
Date Received: 12/20/12 16:44 **Percent Solids: 77.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND	*	100	18	ug/Kg	☼	12/27/12 08:40	01/02/13 21:46	1
Dinoseb	ND		15	1.8	ug/Kg	☼	12/27/12 08:40	01/02/13 21:46	1
2,4,5-T	ND		25	2.9	ug/Kg	☼	12/27/12 08:40	01/02/13 21:46	1
Silvex (2,4,5-TP)	ND		25	1.8	ug/Kg	☼	12/27/12 08:40	01/02/13 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	88		31 - 105	12/27/12 08:40	01/02/13 21:46	1

Method: 6010B - Metals (ICP)

Client Sample ID: NW-02-O **Lab Sample ID: 280-37285-1**
Date Collected: 12/20/12 08:40 **Matrix: Solid**
Date Received: 12/20/12 16:44 **Percent Solids: 95.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4000		1900	630	ug/Kg	☼	12/28/12 07:30	12/31/12 15:25	1
Barium	120000		960	73	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1
Cadmium	620		480	39	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1
Chromium	13000		1400	56	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1
Lead	220000		770	260	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1
Selenium	ND		1200	830	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1
Silver	ND		960	150	ug/Kg	☼	12/28/12 07:30	12/28/12 18:57	1

Client Sample ID: NW-02-GW **Lab Sample ID: 280-37285-2**
Date Collected: 12/20/12 11:55 **Matrix: Water**
Date Received: 12/20/12 16:44

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		15	4.4	ug/L		12/24/12 07:30	12/24/12 22:43	1
Barium	650	B	10	0.58	ug/L		12/24/12 07:30	12/24/12 22:43	1
Cadmium	8.4	B	5.0	0.45	ug/L		12/24/12 07:30	12/24/12 22:43	1
Chromium	77	B	10	0.66	ug/L		12/24/12 07:30	12/24/12 22:43	1
Lead	54		9.0	2.6	ug/L		12/24/12 07:30	12/24/12 22:43	1
Selenium	11	J	15	4.9	ug/L		12/24/12 07:30	12/24/12 22:43	1
Silver	ND		10	0.93	ug/L		12/24/12 07:30	12/24/12 22:43	1

Client Sample ID: NW-02-25 **Lab Sample ID: 280-37285-3**
Date Collected: 12/20/12 09:33 **Matrix: Solid**
Date Received: 12/20/12 16:44 **Percent Solids: 85.9**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4100		2000	650	ug/Kg	☼	12/28/12 07:30	12/31/12 14:57	1
Barium	170000		980	74	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1
Cadmium	270	J	490	40	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1
Chromium	13000		1500	57	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1
Lead	15000		780	260	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1
Selenium	ND		1300	840	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1
Silver	ND		980	160	ug/Kg	☼	12/28/12 07:30	12/28/12 19:17	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 6010B - Metals (ICP)

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6100		2500	810	ug/Kg	☼	12/28/12 07:30	12/31/12 15:00	1
Barium	130000		1200	94	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1
Cadmium	120	J	620	50	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1
Chromium	17000		1800	71	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1
Lead	13000		980	330	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1
Selenium	1100	J	1600	1100	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1
Silver	ND		1200	200	ug/Kg	☼	12/28/12 07:30	12/28/12 19:20	1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:34	1
Barium	170		10	0.58	ug/L		12/28/12 12:00	12/31/12 20:34	1
Cadmium	0.61	J	5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:34	1
Chromium	ND		10	0.66	ug/L		12/28/12 12:00	12/31/12 20:34	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:34	1
Selenium	12	J B	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:34	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:34	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J B	0.20	0.027	ug/L		12/27/12 12:00	12/27/12 18:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:20	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	120		21	6.7	ug/Kg	☼	12/26/12 11:35	12/26/12 15:17	1

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		17	5.6	ug/Kg	☼	12/26/12 11:35	12/26/12 15:24	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 7471A - Mercury (CVAA)

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	25	8.1	ug/Kg	☼	12/26/12 11:35	12/26/12 15:27	1

General Chemistry

Client Sample ID: NW-02-O
Date Collected: 12/20/12 08:40
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.5		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	95		0.10	0.10	%			12/26/12 10:50	1

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		18	4.8	mg/L		12/29/12 09:20	12/29/12 13:14	1
pH adj. to 25 deg C	7.07	HF	0.100	0.100	SU			12/29/12 12:16	1
Temperature	20.0	HF	1.00	1.00	Degrees C			12/29/12 12:16	1
Total Suspended Solids	2400		100	28	mg/L			12/26/12 15:40	1

Client Sample ID: NW-02-25
Date Collected: 12/20/12 09:33
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	86		0.10	0.10	%			12/26/12 10:50	1

Client Sample ID: NW-02-37
Date Collected: 12/20/12 10:04
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	77		0.10	0.10	%			12/26/12 10:50	1

Surrogate Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (58-140)	TOL (80-126)	BFB (76-127)	DBFM (75-121)
280-37262-F-5-C MS	Matrix Spike	101	88	86	103
280-37262-F-5-D MSD	Matrix Spike Duplicate	83	68 X	57 X	87
280-37285-1	NW-02-O	99	94	94	102
280-37285-3	NW-02-25	92	107	104	90
280-37285-3 MS	NW-02-25	97	106	104	92
280-37285-3 MSD	NW-02-25	97	104	103	90
280-37285-4	NW-02-37	95	106	103	91
LCS 280-153850/2-A	Lab Control Sample	109	97	98	111
LCS 280-153984/2-A	Lab Control Sample	99	106	106	91
MB 280-153850/1-A	Method Blank	109	97	96	113
MB 280-153984/1-A	Method Blank	93	110	108	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (70-127)	TOL (80-125)	BFB (78-120)	DBFM (77-120)
280-37285-2	NW-02-GW	92	91	87	96
280-37297-N-1 MS	Matrix Spike	103	93	91	104
280-37297-N-1 MSD	Matrix Spike Duplicate	101	92	92	105
LCS 280-153993/23	Lab Control Sample	87	85	84	92
MB 280-153993/6	Method Blank	90	83	81	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (51-120)	PHL (51-120)	TBP (57-120)	FBP (38-120)	NBZ (48-120)	TPH (50-120)
280-37285-2	NW-02-GW	80	86	86	78	85	83
LCS 280-153406/2-A	Lab Control Sample	89	93	91	85	93	97
LCSD 280-153406/3-A	Lab Control Sample Dup	91	93	92	88	96	100
MB 280-153406/1-A	Method Blank	89	92	78	85	92	95

Surrogate Legend

2FP = 2-Fluorophenol
PHL = Phenol-d5

TestAmerica Denver

Surrogate Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (63-124)	TCX1 (59-115)
280-37285-1	NW-02-O	96	84
280-37285-3	NW-02-25	78	76
280-37285-4	NW-02-37	75	83
280-37307-A-1-B MS	Matrix Spike	89 D	91 D
280-37307-A-1-C MSD	Matrix Spike Duplicate	88 D	96 D
LCS 280-153611/2-A	Lab Control Sample	94	85
MB 280-153611/1-A	Method Blank	94	86

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (59-130)	TCX1 (53-128)
280-37285-1	NW-02-O	66	79
280-37285-1 MS	NW-02-O	65	87
280-37285-1 MSD	NW-02-O	68	89
280-37285-3	NW-02-25	67	72
280-37285-4	NW-02-37	64	80
LCS 280-153412/3-A	Lab Control Sample	85	87
MB 280-153412/1-A	Method Blank	84	86

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCPA1 (31-105)
280-37285-1	NW-02-O	104 D
280-37285-3	NW-02-25	89
280-37285-4	NW-02-37	88
280-37307-A-1-I MS	Matrix Spike	63 D
280-37307-A-1-J MSD	Matrix Spike Duplicate	90 D
MB 280-153862/1-A	Method Blank	121 X

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

TestAmerica Denver

Surrogate Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPA2 (31-105)																		
LCS 280-153862/2-A	Lab Control Sample	105																		

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

GC/MS VOA

Prep Batch: 153850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37262-F-5-C MS	Matrix Spike	Total/NA	Solid	5030B	
280-37262-F-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
280-37285-1	NW-02-O	Total/NA	Solid	5030B	
LCS 280-153850/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-153850/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 153854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37262-F-5-C MS	Matrix Spike	Total/NA	Solid	8260B	153850
280-37262-F-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	153850
280-37285-1	NW-02-O	Total/NA	Solid	8260B	153850
LCS 280-153850/2-A	Lab Control Sample	Total/NA	Solid	8260B	153850
MB 280-153850/1-A	Method Blank	Total/NA	Solid	8260B	153850

Analysis Batch: 153976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-3	NW-02-25	Total/NA	Solid	8260B	153984
280-37285-3 MS	NW-02-25	Total/NA	Solid	8260B	153984
280-37285-3 MSD	NW-02-25	Total/NA	Solid	8260B	153984
280-37285-4	NW-02-37	Total/NA	Solid	8260B	153984
LCS 280-153984/2-A	Lab Control Sample	Total/NA	Solid	8260B	153984
MB 280-153984/1-A	Method Blank	Total/NA	Solid	8260B	153984

Prep Batch: 153984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-3	NW-02-25	Total/NA	Solid	5030B	
280-37285-3 MS	NW-02-25	Total/NA	Solid	5030B	
280-37285-3 MSD	NW-02-25	Total/NA	Solid	5030B	
280-37285-4	NW-02-37	Total/NA	Solid	5030B	
LCS 280-153984/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-153984/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 153993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	8260B	
280-37297-N-1 MS	Matrix Spike	Total/NA	Water	8260B	
280-37297-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 280-153993/23	Lab Control Sample	Total/NA	Water	8260B	
MB 280-153993/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 153406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	3520C	
LCS 280-153406/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-153406/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 280-153406/1-A	Method Blank	Total/NA	Water	3520C	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

GC/MS Semi VOA (Continued)

Analysis Batch: 153874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	8270C	153406
LCS 280-153406/2-A	Lab Control Sample	Total/NA	Water	8270C	153406
LCSD 280-153406/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	153406
MB 280-153406/1-A	Method Blank	Total/NA	Water	8270C	153406

GC Semi VOA

Prep Batch: 153412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	3546	
280-37285-1 MS	NW-02-O	Total/NA	Solid	3546	
280-37285-1 MSD	NW-02-O	Total/NA	Solid	3546	
280-37285-3	NW-02-25	Total/NA	Solid	3546	
280-37285-4	NW-02-37	Total/NA	Solid	3546	
LCS 280-153412/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 280-153412/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 153611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	3546	
280-37285-3	NW-02-25	Total/NA	Solid	3546	
280-37285-4	NW-02-37	Total/NA	Solid	3546	
280-37307-A-1-B MS	Matrix Spike	Total/NA	Solid	3546	
280-37307-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
LCS 280-153611/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 280-153611/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 153862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	8151A	
280-37285-3	NW-02-25	Total/NA	Solid	8151A	
280-37285-4	NW-02-37	Total/NA	Solid	8151A	
280-37307-A-1-I MS	Matrix Spike	Total/NA	Solid	8151A	
280-37307-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
LCS 280-153862/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 280-153862/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 154063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	8081A	153611
280-37285-3	NW-02-25	Total/NA	Solid	8081A	153611
280-37285-4	NW-02-37	Total/NA	Solid	8081A	153611

Analysis Batch: 154261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-A-1-B MS	Matrix Spike	Total/NA	Solid	8081A	153611
280-37307-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	153611
LCS 280-153611/2-A	Lab Control Sample	Total/NA	Solid	8081A	153611
MB 280-153611/1-A	Method Blank	Total/NA	Solid	8081A	153611

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

GC Semi VOA (Continued)

Analysis Batch: 154352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	8082	153412
280-37285-1 MS	NW-02-O	Total/NA	Solid	8082	153412
280-37285-1 MSD	NW-02-O	Total/NA	Solid	8082	153412
280-37285-3	NW-02-25	Total/NA	Solid	8082	153412
280-37285-4	NW-02-37	Total/NA	Solid	8082	153412
LCS 280-153412/3-A	Lab Control Sample	Total/NA	Solid	8082	153412
MB 280-153412/1-A	Method Blank	Total/NA	Solid	8082	153412

Analysis Batch: 154361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	8151A	153862
280-37285-3	NW-02-25	Total/NA	Solid	8151A	153862
280-37285-4	NW-02-37	Total/NA	Solid	8151A	153862
280-37307-A-1-I MS	Matrix Spike	Total/NA	Solid	8151A	153862
280-37307-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	153862
LCS 280-153862/2-A	Lab Control Sample	Total/NA	Solid	8151A	153862
MB 280-153862/1-A	Method Blank	Total/NA	Solid	8151A	153862

Metals

Prep Batch: 153434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37267-K-1-B MS	Matrix Spike	Total/NA	Water	3010A	
280-37267-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
280-37285-2	NW-02-GW	Total/NA	Water	3010A	
LCS 280-153434/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 280-153434/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 153532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	7470A	
280-37316-A-1-E MS	Matrix Spike	Total/NA	Water	7470A	
280-37316-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 280-153532/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-153532/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 153633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	3050B	
280-37285-1 MS	NW-02-O	Total/NA	Solid	3050B	
280-37285-1 MSD	NW-02-O	Total/NA	Solid	3050B	
280-37285-3	NW-02-25	Total/NA	Solid	3050B	
280-37285-4	NW-02-37	Total/NA	Solid	3050B	
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 280-153633/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 153635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Dissolved	Water	3005A	
280-37307-D-4-C MS	Matrix Spike	Dissolved	Water	3005A	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Metals (Continued)

Prep Batch: 153635 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-D-4-D MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
LCS 280-153635/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 280-153635/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 153674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	7471A	
280-37285-1 MS	NW-02-O	Total/NA	Solid	7471A	
280-37285-1 MSD	NW-02-O	Total/NA	Solid	7471A	
280-37285-3	NW-02-25	Total/NA	Solid	7471A	
280-37285-4	NW-02-37	Total/NA	Solid	7471A	
LCS 280-153674/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 280-153674/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 153698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37267-K-1-B MS	Matrix Spike	Total/NA	Water	6010B	153434
280-37267-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	153434
280-37285-2	NW-02-GW	Total/NA	Water	6010B	153434
LCS 280-153434/2-A	Lab Control Sample	Total/NA	Water	6010B	153434
MB 280-153434/1-A	Method Blank	Total/NA	Water	6010B	153434

Analysis Batch: 153837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	7471A	153674
280-37285-1 MS	NW-02-O	Total/NA	Solid	7471A	153674
280-37285-1 MSD	NW-02-O	Total/NA	Solid	7471A	153674
280-37285-3	NW-02-25	Total/NA	Solid	7471A	153674
280-37285-4	NW-02-37	Total/NA	Solid	7471A	153674
LCS 280-153674/2-A	Lab Control Sample	Total/NA	Solid	7471A	153674
MB 280-153674/1-A	Method Blank	Total/NA	Solid	7471A	153674

Prep Batch: 154019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Dissolved	Water	7470A	
280-37285-2 MS	NW-02-GW	Dissolved	Water	7470A	
280-37285-2 MSD	NW-02-GW	Dissolved	Water	7470A	
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 154037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	7470A	153532
280-37316-A-1-E MS	Matrix Spike	Total/NA	Water	7470A	153532
280-37316-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	153532
LCS 280-153532/2-A	Lab Control Sample	Total/NA	Water	7470A	153532
MB 280-153532/1-A	Method Blank	Total/NA	Water	7470A	153532

Analysis Batch: 154235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	6010B	153633

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Metals (Continued)

Analysis Batch: 154235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1 MS	NW-02-O	Total/NA	Solid	6010B	153633
280-37285-1 MSD	NW-02-O	Total/NA	Solid	6010B	153633
280-37285-3	NW-02-25	Total/NA	Solid	6010B	153633
280-37285-4	NW-02-37	Total/NA	Solid	6010B	153633
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	6010B	153633
MB 280-153633/1-A	Method Blank	Total/NA	Solid	6010B	153633

Analysis Batch: 154241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Dissolved	Water	7470A	154019
280-37285-2 MS	NW-02-GW	Dissolved	Water	7470A	154019
280-37285-2 MSD	NW-02-GW	Dissolved	Water	7470A	154019
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	154019
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	154019

Analysis Batch: 154331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	6010B	153633
280-37285-1 MS	NW-02-O	Total/NA	Solid	6010B	153633
280-37285-1 MSD	NW-02-O	Total/NA	Solid	6010B	153633
280-37285-3	NW-02-25	Total/NA	Solid	6010B	153633
280-37285-4	NW-02-37	Total/NA	Solid	6010B	153633
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	6010B	153633
MB 280-153633/1-A	Method Blank	Total/NA	Solid	6010B	153633

Analysis Batch: 154339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Dissolved	Water	6010B	153635
280-37307-D-4-C MS	Matrix Spike	Dissolved	Water	6010B	153635
280-37307-D-4-D MSD	Matrix Spike Duplicate	Dissolved	Water	6010B	153635
LCS 280-153635/2-A	Lab Control Sample	Total Recoverable	Water	6010B	153635
MB 280-153635/1-A	Method Blank	Total Recoverable	Water	6010B	153635

General Chemistry

Analysis Batch: 153547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2 DU	NW-02-GW	Total/NA	Water	9040C	
LCS 280-153547/42	Lab Control Sample	Total/NA	Water	9040C	
LCSD 280-153547/43	Lab Control Sample Dup	Total/NA	Water	9040C	

Analysis Batch: 153758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-1	NW-02-O	Total/NA	Solid	Moisture	
280-37285-3	NW-02-25	Total/NA	Solid	Moisture	
280-37285-4	NW-02-37	Total/NA	Solid	Moisture	
280-37358-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
 Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

General Chemistry (Continued)

Analysis Batch: 153834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	SM 2540D	
280-37290-D-6 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 280-153834/1	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-153834/2	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 280-153834/3	Method Blank	Total/NA	Water	SM 2540D	

Prep Batch: 154167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	1664A	
LCS 280-154167/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 280-154167/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
MB 280-154167/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 154179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	9040C	
280-37417-B-2 DU	Duplicate	Total/NA	Water	9040C	
LCS 280-154179/4	Lab Control Sample	Total/NA	Water	9040C	
LCSD 280-154179/5	Lab Control Sample Dup	Total/NA	Water	9040C	

Analysis Batch: 154181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	1664A	154167
LCS 280-154167/2-A	Lab Control Sample	Total/NA	Water	1664A	154167
LCSD 280-154167/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	154167
MB 280-154167/1-A	Method Blank	Total/NA	Water	1664A	154167

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-153850/1-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.57	J	20	5.4	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Benzene	ND		5.0	0.47	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Cyclohexane	ND		5.0	0.40	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Bromomethane	ND		10	0.50	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Bromoform	0.322	J	5.0	0.23	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloroethane	ND		10	0.89	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloroform	ND		10	0.29	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
2-Hexanone	ND		20	4.9	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloromethane	ND		10	0.77	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methyl acetate	ND		10	2.8	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Styrene	ND		5.0	0.63	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Toluene	ND		5.0	0.69	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/26/12 16:00	12/26/12 19:17	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153850/1-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/26/12 16:00	12/26/12 19:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 140	12/26/12 16:00	12/26/12 19:17	1
Toluene-d8 (Surr)	97		80 - 126	12/26/12 16:00	12/26/12 19:17	1
4-Bromofluorobenzene (Surr)	96		76 - 127	12/26/12 16:00	12/26/12 19:17	1
Dibromofluoromethane (Surr)	113		75 - 121	12/26/12 16:00	12/26/12 19:17	1

Lab Sample ID: LCS 280-153850/2-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	219		ug/Kg		109	65 - 150
2-Butanone (MEK)	200	227		ug/Kg		113	45 - 177
Benzene	50.0	39.9		ug/Kg		80	75 - 135
Chlorobenzene	50.0	40.5		ug/Kg		81	78 - 135
Carbon disulfide	50.0	29.5		ug/Kg		59	45 - 150
Carbon tetrachloride	50.0	40.3		ug/Kg		81	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	43.4		ug/Kg		87	66 - 150
Bromomethane	50.0	43.2		ug/Kg		86	52 - 135
Bromoform	50.0	45.2		ug/Kg		90	77 - 135
Chloroethane	50.0	40.0		ug/Kg		80	51 - 145
Chloroform	50.0	39.4		ug/Kg		79	73 - 123
Chlorobromomethane	50.0	44.0		ug/Kg		88	74 - 135
Dichlorobromomethane	50.0	43.2		ug/Kg		86	73 - 135
Chlorodibromomethane	50.0	44.5		ug/Kg		89	77 - 135
Isopropylbenzene	50.0	39.3		ug/Kg		79	74 - 137
2-Hexanone	200	215		ug/Kg		108	67 - 150
Chloromethane	50.0	41.2		ug/Kg		82	41 - 138
Dichlorodifluoromethane	50.0	42.5		ug/Kg		85	32 - 152
trans-1,2-Dichloroethene	50.0	40.3		ug/Kg		81	77 - 135
trans-1,3-Dichloropropene	50.0	44.8		ug/Kg		90	71 - 135
Methylene Chloride	50.0	42.8		ug/Kg		86	76 - 136
Methyl tert-butyl ether	50.0	47.6		ug/Kg		95	71 - 141
4-Methyl-2-pentanone (MIBK)	200	217		ug/Kg		108	69 - 150
Styrene	50.0	42.9		ug/Kg		86	76 - 135
1,1,1,2-Tetrachloroethane	50.0	44.6		ug/Kg		89	65 - 135
1,2,3-Trichlorobenzene	50.0	42.4		ug/Kg		85	62 - 135
1,2,4-Trichlorobenzene	50.0	41.8		ug/Kg		84	65 - 135
Toluene	50.0	40.0		ug/Kg		80	77 - 122
1,1,1-Trichloroethane	50.0	41.6		ug/Kg		83	70 - 135
1,1,2-Trichloroethane	50.0	42.5		ug/Kg		85	78 - 135
Trichloroethene	50.0	38.6		ug/Kg		77	77 - 135
Vinyl chloride	50.0	41.9		ug/Kg		84	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153850/2-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	79.7		ug/Kg		80	77 - 135
o-Xylene	50.0	41.0		ug/Kg		82	75 - 135
Tetrachloroethene	50.0	39.5		ug/Kg		79	76 - 135
1,2-Dichlorobenzene	50.0	41.7		ug/Kg		83	73 - 135
1,3-Dichlorobenzene	50.0	40.5		ug/Kg		81	69 - 135
1,4-Dichlorobenzene	50.0	40.3		ug/Kg		81	73 - 135
cis-1,2-Dichloroethene	50.0	40.4		ug/Kg		81	76 - 135
cis-1,3-Dichloropropene	50.0	42.6		ug/Kg		85	71 - 135
1,1-Dichloroethane	50.0	41.0		ug/Kg		82	70 - 135
1,1-Dichloroethene	50.0	42.2		ug/Kg		84	79 - 135
1,2-Dichloroethane	50.0	44.0		ug/Kg		88	69 - 135
1,2-Dichloropropane	50.0	40.8		ug/Kg		82	72 - 121
Ethylbenzene	50.0	40.3		ug/Kg		81	73 - 125
1,2-Dibromoethane	50.0	42.7		ug/Kg		85	76 - 135
Trichlorofluoromethane	50.0	46.7		ug/Kg		93	48 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		58 - 140
Toluene-d8 (Surr)	97		80 - 126
4-Bromofluorobenzene (Surr)	98		76 - 127
Dibromofluoromethane (Surr)	111		75 - 121

Lab Sample ID: 280-37262-F-5-C MS

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	52	B	279	349		ug/Kg	☼	106	65 - 150
2-Butanone (MEK)	13	J	279	337		ug/Kg	☼	116	45 - 177
Benzene	ND		69.9	51.8	F	ug/Kg	☼	74	75 - 135
Chlorobenzene	ND		69.9	45.5	F	ug/Kg	☼	65	78 - 135
Carbon disulfide	ND		69.9	37.4		ug/Kg	☼	54	45 - 150
Carbon tetrachloride	ND		69.9	38.1	F	ug/Kg	☼	54	69 - 138
1,2-Dibromo-3-Chloropropane	ND		69.9	55.7		ug/Kg	☼	80	66 - 150
Bromomethane	ND		69.9	53.3		ug/Kg	☼	76	52 - 135
Bromoform	ND		69.9	47.2	F	ug/Kg	☼	68	77 - 135
Chloroethane	ND		69.9	52.6		ug/Kg	☼	75	51 - 145
Chloroform	ND		69.9	55.5		ug/Kg	☼	79	73 - 123
Chlorobromomethane	ND		69.9	58.5		ug/Kg	☼	84	74 - 135
Dichlorobromomethane	ND		69.9	50.8		ug/Kg	☼	73	73 - 135
Chlorodibromomethane	ND		69.9	49.5	F	ug/Kg	☼	71	77 - 135
Isopropylbenzene	ND		69.9	48.2	F	ug/Kg	☼	69	74 - 137
2-Hexanone	ND		279	304		ug/Kg	☼	109	67 - 150
Chloromethane	ND		69.9	54.4		ug/Kg	☼	78	41 - 138
Dichlorodifluoromethane	ND		69.9	58.9		ug/Kg	☼	84	32 - 152
trans-1,2-Dichloroethene	ND		69.9	52.7	F	ug/Kg	☼	75	77 - 135
trans-1,3-Dichloropropene	ND		69.9	51.3		ug/Kg	☼	73	71 - 135
Methylene Chloride	ND		69.9	56.3		ug/Kg	☼	81	76 - 136

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37262-F-5-C MS

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methyl tert-butyl ether	ND		69.9	67.2		ug/Kg	*	96	71 - 141
4-Methyl-2-pentanone (MIBK)	ND		279	303		ug/Kg	*	108	69 - 150
Styrene	ND		69.9	45.0	F	ug/Kg	*	64	76 - 135
1,1,1,2-Tetrachloroethane	ND		69.9	59.2		ug/Kg	*	85	65 - 135
1,2,3-Trichlorobenzene	ND		69.9	24.2	F	ug/Kg	*	35	62 - 135
1,2,4-Trichlorobenzene	ND		69.9	27.0	F	ug/Kg	*	39	65 - 135
Toluene	ND		69.9	49.7	F	ug/Kg	*	71	77 - 122
1,1,1-Trichloroethane	ND		69.9	56.4		ug/Kg	*	81	70 - 135
1,1,2-Trichloroethane	ND		69.9	56.7		ug/Kg	*	81	78 - 135
Trichloroethene	ND		69.9	48.9	F	ug/Kg	*	70	77 - 135
Vinyl chloride	ND		69.9	52.9		ug/Kg	*	76	43 - 145
m-Xylene & p-Xylene	ND		140	89.7	F	ug/Kg	*	64	77 - 135
o-Xylene	ND		69.9	44.9	F	ug/Kg	*	64	75 - 135
Tetrachloroethene	ND		69.9	45.6	F	ug/Kg	*	65	76 - 135
1,2-Dichlorobenzene	ND		69.9	41.7	F	ug/Kg	*	60	73 - 135
1,3-Dichlorobenzene	ND		69.9	41.6	F	ug/Kg	*	60	69 - 135
1,4-Dichlorobenzene	ND		69.9	41.8	F	ug/Kg	*	60	73 - 135
cis-1,2-Dichloroethene	ND		69.9	52.0	F	ug/Kg	*	74	76 - 135
cis-1,3-Dichloropropene	ND		69.9	50.2		ug/Kg	*	72	71 - 135
1,1-Dichloroethane	ND		69.9	56.1		ug/Kg	*	80	70 - 135
1,1-Dichloroethene	ND		69.9	61.6		ug/Kg	*	88	79 - 135
1,2-Dichloroethane	ND		69.9	55.7		ug/Kg	*	80	69 - 135
1,2-Dichloropropane	ND		69.9	52.9		ug/Kg	*	76	72 - 121
Ethylbenzene	ND		69.9	46.6	F	ug/Kg	*	67	73 - 125
1,2-Dibromoethane	ND		69.9	52.7	F	ug/Kg	*	75	76 - 135
Trichlorofluoromethane	ND		69.9	60.8		ug/Kg	*	87	48 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		58 - 140
Toluene-d8 (Surr)	88		80 - 126
4-Bromofluorobenzene (Surr)	86		76 - 127
Dibromofluoromethane (Surr)	103		75 - 121

Lab Sample ID: 280-37262-F-5-D MSD

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	52	B	280	291		ug/Kg	*	86	65 - 150	18	28
2-Butanone (MEK)	13	J	280	284		ug/Kg	*	97	45 - 177	17	32
Benzene	ND		69.9	44.6	F	ug/Kg	*	64	75 - 135	15	20
Chlorobenzene	ND		69.9	35.6	F	ug/Kg	*	51	78 - 135	25	20
Carbon disulfide	ND		69.9	29.5	F	ug/Kg	*	42	45 - 150	24	24
Carbon tetrachloride	ND		69.9	36.4	F	ug/Kg	*	52	69 - 138	5	20
1,2-Dibromo-3-Chloropropane	ND		69.9	38.9	F	ug/Kg	*	56	66 - 150	36	28
Bromomethane	ND		69.9	45.3		ug/Kg	*	65	52 - 135	16	22
Bromoform	ND		69.9	38.5	F	ug/Kg	*	55	77 - 135	21	20
Chloroethane	ND		69.9	44.2		ug/Kg	*	63	51 - 145	17	22

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37262-F-5-D MSD

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		69.9	46.6	F	ug/Kg	*	67	73 - 123	17	20
Chlorobromomethane	ND		69.9	49.5	F	ug/Kg	*	71	74 - 135	17	21
Dichlorobromomethane	ND		69.9	44.6	F	ug/Kg	*	64	73 - 135	13	20
Chlorodibromomethane	ND		69.9	41.9	F	ug/Kg	*	60	77 - 135	17	20
Isopropylbenzene	ND		69.9	29.7	F	ug/Kg	*	43	74 - 137	47	20
2-Hexanone	ND		280	245		ug/Kg	*	87	67 - 150	22	29
Chloromethane	ND		69.9	46.3		ug/Kg	*	66	41 - 138	16	25
Dichlorodifluoromethane	ND		69.9	47.3		ug/Kg	*	68	32 - 152	22	28
trans-1,2-Dichloroethene	ND		69.9	44.6	F	ug/Kg	*	64	77 - 135	17	20
trans-1,3-Dichloropropene	ND		69.9	42.3	F	ug/Kg	*	60	71 - 135	19	20
Methylene Chloride	ND		69.9	48.0	F	ug/Kg	*	69	76 - 136	16	21
Methyl tert-butyl ether	ND		69.9	55.5		ug/Kg	*	79	71 - 141	19	20
4-Methyl-2-pentanone (MIBK)	ND		280	254		ug/Kg	*	91	69 - 150	18	25
Styrene	ND		69.9	34.3	F	ug/Kg	*	49	76 - 135	27	20
1,1,2,2-Tetrachloroethane	ND		69.9	39.6	F	ug/Kg	*	57	65 - 135	40	21
1,2,3-Trichlorobenzene	ND		69.9	14.6	F	ug/Kg	*	21	62 - 135	49	31
1,2,4-Trichlorobenzene	ND		69.9	16.0	F	ug/Kg	*	23	65 - 135	51	26
Toluene	ND		69.9	41.5	F	ug/Kg	*	59	77 - 122	18	20
1,1,1-Trichloroethane	ND		69.9	47.0	F	ug/Kg	*	67	70 - 135	18	20
1,1,2-Trichloroethane	ND		69.9	47.8	F	ug/Kg	*	68	78 - 135	17	20
Trichloroethene	ND		69.9	40.4	F	ug/Kg	*	58	77 - 135	19	20
Vinyl chloride	ND		69.9	44.2		ug/Kg	*	63	43 - 145	18	24
m-Xylene & p-Xylene	ND		140	67.7	F	ug/Kg	*	48	77 - 135	28	20
o-Xylene	ND		69.9	34.1	F	ug/Kg	*	49	75 - 135	27	20
Tetrachloroethene	ND		69.9	35.6	F	ug/Kg	*	51	76 - 135	25	20
1,2-Dichlorobenzene	ND		69.9	26.3	F	ug/Kg	*	38	73 - 135	46	20
1,3-Dichlorobenzene	ND		69.9	26.2	F	ug/Kg	*	38	69 - 135	45	20
1,4-Dichlorobenzene	ND		69.9	26.3	F	ug/Kg	*	38	73 - 135	45	22
cis-1,2-Dichloroethene	ND		69.9	44.2	F	ug/Kg	*	63	76 - 135	16	20
cis-1,3-Dichloropropene	ND		69.9	40.4	F	ug/Kg	*	58	71 - 135	22	20
1,1-Dichloroethane	ND		69.9	47.3	F	ug/Kg	*	68	70 - 135	17	20
1,1-Dichloroethene	ND		69.9	51.7	F	ug/Kg	*	74	79 - 135	17	20
1,2-Dichloroethane	ND		69.9	47.1	F	ug/Kg	*	67	69 - 135	17	20
1,2-Dichloropropane	ND		69.9	44.9	F	ug/Kg	*	64	72 - 121	16	20
Ethylbenzene	ND		69.9	34.9	F	ug/Kg	*	50	73 - 125	29	20
1,2-Dibromoethane	ND		69.9	42.2	F	ug/Kg	*	60	76 - 135	22	20
Trichlorofluoromethane	ND		69.9	47.8		ug/Kg	*	68	48 - 150	24	33

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		58 - 140
Toluene-d8 (Surr)	68	X	80 - 126
4-Bromofluorobenzene (Surr)	57	X	76 - 127
Dibromofluoromethane (Surr)	87		75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153984/1-A

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.4	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Benzene	ND		5.0	0.47	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Carbon disulfide	0.431	J	5.0	0.42	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Cyclohexane	ND		5.0	0.40	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Bromomethane	ND		10	0.50	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Bromoform	ND		5.0	0.23	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chloroethane	ND		10	0.89	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chloroform	ND		10	0.29	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
2-Hexanone	5.02	J	20	4.9	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Chloromethane	ND		10	0.77	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Methyl acetate	ND		10	2.8	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Styrene	ND		5.0	0.63	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Toluene	ND		5.0	0.69	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/27/12 16:00	12/27/12 22:30	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153984/1-A

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/27/12 16:00	12/27/12 22:30	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/27/12 16:00	12/27/12 22:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		58 - 140	12/27/12 16:00	12/27/12 22:30	1
Toluene-d8 (Surr)	110		80 - 126	12/27/12 16:00	12/27/12 22:30	1
4-Bromofluorobenzene (Surr)	108		76 - 127	12/27/12 16:00	12/27/12 22:30	1
Dibromofluoromethane (Surr)	91		75 - 121	12/27/12 16:00	12/27/12 22:30	1

Lab Sample ID: LCS 280-153984/2-A

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	215		ug/Kg		107	65 - 150
2-Butanone (MEK)	200	286		ug/Kg		143	45 - 177
Benzene	50.0	48.8		ug/Kg		98	75 - 135
Chlorobenzene	50.0	50.1		ug/Kg		100	78 - 135
Carbon disulfide	50.0	43.2		ug/Kg		86	45 - 150
Carbon tetrachloride	50.0	49.0		ug/Kg		98	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	56.9		ug/Kg		114	66 - 150
Bromomethane	50.0	39.8		ug/Kg		80	52 - 135
Bromoform	50.0	52.2		ug/Kg		104	77 - 135
Chloroethane	50.0	37.5		ug/Kg		75	51 - 145
Chloroform	50.0	48.4		ug/Kg		97	73 - 123
Chlorobromomethane	50.0	47.0		ug/Kg		94	74 - 135
Dichlorobromomethane	50.0	55.4		ug/Kg		111	73 - 135
Chlorodibromomethane	50.0	60.8		ug/Kg		122	77 - 135
Isopropylbenzene	50.0	51.8		ug/Kg		104	74 - 137
2-Hexanone	200	231		ug/Kg		116	67 - 150
Chloromethane	50.0	42.6		ug/Kg		85	41 - 138
Dichlorodifluoromethane	50.0	36.1		ug/Kg		72	32 - 152
trans-1,2-Dichloroethene	50.0	44.5		ug/Kg		89	77 - 135
trans-1,3-Dichloropropene	50.0	55.1		ug/Kg		110	71 - 135
Methylene Chloride	50.0	49.5		ug/Kg		99	76 - 136
Methyl tert-butyl ether	50.0	42.6		ug/Kg		85	71 - 141
4-Methyl-2-pentanone (MIBK)	200	228		ug/Kg		114	69 - 150
Styrene	50.0	48.3		ug/Kg		97	76 - 135
1,1,1,2-Tetrachloroethane	50.0	59.8		ug/Kg		120	65 - 135
1,2,3-Trichlorobenzene	50.0	46.3		ug/Kg		93	62 - 135
1,2,4-Trichlorobenzene	50.0	45.7		ug/Kg		91	65 - 135
Toluene	50.0	48.6		ug/Kg		97	77 - 122
1,1,1-Trichloroethane	50.0	44.9		ug/Kg		90	70 - 135
1,1,2-Trichloroethane	50.0	50.3		ug/Kg		101	78 - 135
Trichloroethene	50.0	48.0		ug/Kg		96	77 - 135
Vinyl chloride	50.0	36.0		ug/Kg		72	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153984/2-A

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	95.7		ug/Kg		96	77 - 135
o-Xylene	50.0	48.0		ug/Kg		96	75 - 135
Tetrachloroethene	50.0	50.1		ug/Kg		100	76 - 135
1,2-Dichlorobenzene	50.0	49.6		ug/Kg		99	73 - 135
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	69 - 135
1,4-Dichlorobenzene	50.0	49.4		ug/Kg		99	73 - 135
cis-1,2-Dichloroethene	50.0	45.9		ug/Kg		92	76 - 135
cis-1,3-Dichloropropene	50.0	63.2		ug/Kg		126	71 - 135
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 135
1,1-Dichloroethene	50.0	54.4		ug/Kg		109	79 - 135
1,2-Dichloroethane	50.0	52.4		ug/Kg		105	69 - 135
1,2-Dichloropropane	50.0	53.2		ug/Kg		106	72 - 121
Ethylbenzene	50.0	48.7		ug/Kg		97	73 - 125
1,2-Dibromoethane	50.0	55.5		ug/Kg		111	76 - 135
Trichlorofluoromethane	50.0	34.8		ug/Kg		70	48 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		58 - 140
Toluene-d8 (Surr)	106		80 - 126
4-Bromofluorobenzene (Surr)	106		76 - 127
Dibromofluoromethane (Surr)	91		75 - 121

Lab Sample ID: 280-37285-3 MS

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: NW-02-25

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		226	203		ug/Kg	☼	90	65 - 150
2-Butanone (MEK)	ND		226	398		ug/Kg	☼	176	45 - 177
Benzene	ND		56.6	48.6		ug/Kg	☼	86	75 - 135
Chlorobenzene	ND		56.6	47.0		ug/Kg	☼	83	78 - 135
Carbon disulfide	ND		56.6	38.1		ug/Kg	☼	67	45 - 150
Carbon tetrachloride	ND		56.6	49.8		ug/Kg	☼	88	69 - 138
1,2-Dibromo-3-Chloropropane	ND		56.6	54.4		ug/Kg	☼	96	66 - 150
Bromomethane	ND		56.6	38.1		ug/Kg	☼	67	52 - 135
Bromoform	ND		56.6	50.1		ug/Kg	☼	88	77 - 135
Chloroethane	ND		56.6	34.1		ug/Kg	☼	60	51 - 145
Chloroform	ND		56.6	47.7		ug/Kg	☼	84	73 - 123
Chlorobromomethane	ND		56.6	50.6		ug/Kg	☼	89	74 - 135
Dichlorobromomethane	ND		56.6	53.6		ug/Kg	☼	95	73 - 135
Chlorodibromomethane	ND		56.6	58.7		ug/Kg	☼	104	77 - 135
Isopropylbenzene	ND		56.6	46.4		ug/Kg	☼	82	74 - 137
2-Hexanone	ND		226	191		ug/Kg	☼	84	67 - 150
Chloromethane	ND		56.6	40.9		ug/Kg	☼	72	41 - 138
Dichlorodifluoromethane	ND		56.6	33.8		ug/Kg	☼	60	32 - 152
trans-1,2-Dichloroethene	ND		56.6	45.0		ug/Kg	☼	80	77 - 135
trans-1,3-Dichloropropene	ND		56.6	51.1		ug/Kg	☼	90	71 - 135
Methylene Chloride	ND		56.6	49.7		ug/Kg	☼	88	76 - 136

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37285-3 MS

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: NW-02-25

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methyl tert-butyl ether	ND		56.6	43.5		ug/Kg	*	77	71 - 141
4-Methyl-2-pentanone (MIBK)	ND		226	214		ug/Kg	*	95	69 - 150
Styrene	ND		56.6	42.1	F	ug/Kg	*	74	76 - 135
1,1,1,2-Tetrachloroethane	ND		56.6	54.2		ug/Kg	*	96	65 - 135
1,2,3-Trichlorobenzene	ND		56.6	28.6	F	ug/Kg	*	50	62 - 135
1,2,4-Trichlorobenzene	ND		56.6	27.6	F	ug/Kg	*	49	65 - 135
Toluene	ND		56.6	47.5		ug/Kg	*	84	77 - 122
1,1,1-Trichloroethane	ND		56.6	45.4		ug/Kg	*	80	70 - 135
1,1,2-Trichloroethane	ND		56.6	55.0		ug/Kg	*	97	78 - 135
Trichloroethene	ND		56.6	49.0		ug/Kg	*	87	77 - 135
Vinyl chloride	ND		56.6	34.6		ug/Kg	*	61	43 - 145
m-Xylene & p-Xylene	ND		113	87.2		ug/Kg	*	77	77 - 135
o-Xylene	ND		56.6	43.7		ug/Kg	*	77	75 - 135
Tetrachloroethene	ND		56.6	50.1		ug/Kg	*	89	76 - 135
1,2-Dichlorobenzene	ND		56.6	39.9	F	ug/Kg	*	70	73 - 135
1,3-Dichlorobenzene	ND		56.6	38.5	F	ug/Kg	*	68	69 - 135
1,4-Dichlorobenzene	ND		56.6	38.1	F	ug/Kg	*	67	73 - 135
cis-1,2-Dichloroethene	ND		56.6	46.1		ug/Kg	*	81	76 - 135
cis-1,3-Dichloropropene	ND	^	56.6	58.6		ug/Kg	*	104	71 - 135
1,1-Dichloroethane	ND		56.6	47.1		ug/Kg	*	83	70 - 135
1,1-Dichloroethene	ND		56.6	58.2		ug/Kg	*	103	79 - 135
1,2-Dichloroethane	ND		56.6	51.1		ug/Kg	*	90	69 - 135
1,2-Dichloropropane	ND		56.6	51.0		ug/Kg	*	90	72 - 121
Ethylbenzene	ND		56.6	45.0		ug/Kg	*	80	73 - 125
1,2-Dibromoethane	ND		56.6	54.6		ug/Kg	*	96	76 - 135
Trichlorofluoromethane	ND		56.6	33.7		ug/Kg	*	60	48 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		58 - 140
Toluene-d8 (Surr)	106		80 - 126
4-Bromofluorobenzene (Surr)	104		76 - 127
Dibromofluoromethane (Surr)	92		75 - 121

Lab Sample ID: 280-37285-3 MSD

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: NW-02-25

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND		228	205		ug/Kg	*	90	65 - 150	1	28
2-Butanone (MEK)	ND		228	402		ug/Kg	*	177	45 - 177	1	32
Benzene	ND		56.9	47.9		ug/Kg	*	84	75 - 135	1	20
Chlorobenzene	ND		56.9	45.1		ug/Kg	*	79	78 - 135	4	20
Carbon disulfide	ND		56.9	38.5		ug/Kg	*	68	45 - 150	1	24
Carbon tetrachloride	ND		56.9	49.1		ug/Kg	*	86	69 - 138	1	20
1,2-Dibromo-3-Chloropropane	ND		56.9	57.8		ug/Kg	*	102	66 - 150	6	28
Bromomethane	ND		56.9	38.8		ug/Kg	*	68	52 - 135	2	22
Bromoform	ND		56.9	51.1		ug/Kg	*	90	77 - 135	2	20
Chloroethane	ND		56.9	34.0		ug/Kg	*	60	51 - 145	0	22

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37285-3 MSD

Matrix: Solid

Analysis Batch: 153976

Client Sample ID: NW-02-25

Prep Type: Total/NA

Prep Batch: 153984

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		56.9	47.3		ug/Kg	*	83	73 - 123	1	20
Chlorobromomethane	ND		56.9	50.2		ug/Kg	*	88	74 - 135	1	21
Dichlorobromomethane	ND		56.9	53.7		ug/Kg	*	94	73 - 135	0	20
Chlorodibromomethane	ND		56.9	58.2		ug/Kg	*	102	77 - 135	1	20
Isopropylbenzene	ND		56.9	43.9		ug/Kg	*	77	74 - 137	5	20
2-Hexanone	ND		228	200		ug/Kg	*	88	67 - 150	4	29
Chloromethane	ND		56.9	41.3		ug/Kg	*	73	41 - 138	1	25
Dichlorodifluoromethane	ND		56.9	34.5		ug/Kg	*	61	32 - 152	2	28
trans-1,2-Dichloroethene	ND		56.9	45.0		ug/Kg	*	79	77 - 135	0	20
trans-1,3-Dichloropropene	ND		56.9	50.8		ug/Kg	*	89	71 - 135	1	20
Methylene Chloride	ND		56.9	49.7		ug/Kg	*	87	76 - 136	0	21
Methyl tert-butyl ether	ND		56.9	43.8		ug/Kg	*	77	71 - 141	1	20
4-Methyl-2-pentanone (MIBK)	ND		228	226		ug/Kg	*	99	69 - 150	5	25
Styrene	ND		56.9	40.5	F	ug/Kg	*	71	76 - 135	4	20
1,1,2,2-Tetrachloroethane	ND		56.9	55.9		ug/Kg	*	98	65 - 135	3	21
1,2,3-Trichlorobenzene	ND		56.9	32.4	F	ug/Kg	*	57	62 - 135	13	31
1,2,4-Trichlorobenzene	ND		56.9	30.6	F	ug/Kg	*	54	65 - 135	11	26
Toluene	ND		56.9	46.1		ug/Kg	*	81	77 - 122	3	20
1,1,1-Trichloroethane	ND		56.9	44.9		ug/Kg	*	79	70 - 135	1	20
1,1,2-Trichloroethane	ND		56.9	54.8		ug/Kg	*	96	78 - 135	0	20
Trichloroethene	ND		56.9	47.7		ug/Kg	*	84	77 - 135	3	20
Vinyl chloride	ND		56.9	35.6		ug/Kg	*	63	43 - 145	3	24
m-Xylene & p-Xylene	ND		114	83.0	F	ug/Kg	*	73	77 - 135	5	20
o-Xylene	ND		56.9	41.7	F	ug/Kg	*	73	75 - 135	5	20
Tetrachloroethene	ND		56.9	48.6		ug/Kg	*	86	76 - 135	3	20
1,2-Dichlorobenzene	ND		56.9	39.9	F	ug/Kg	*	70	73 - 135	0	20
1,3-Dichlorobenzene	ND		56.9	38.2	F	ug/Kg	*	67	69 - 135	1	20
1,4-Dichlorobenzene	ND		56.9	37.5	F	ug/Kg	*	66	73 - 135	2	22
cis-1,2-Dichloroethene	ND		56.9	45.7		ug/Kg	*	80	76 - 135	1	20
cis-1,3-Dichloropropene	ND	^	56.9	57.9		ug/Kg	*	102	71 - 135	1	20
1,1-Dichloroethane	ND		56.9	46.5		ug/Kg	*	82	70 - 135	1	20
1,1-Dichloroethene	ND		56.9	57.3		ug/Kg	*	101	79 - 135	2	20
1,2-Dichloroethane	ND		56.9	51.1		ug/Kg	*	90	69 - 135	0	20
1,2-Dichloropropane	ND		56.9	50.2		ug/Kg	*	88	72 - 121	2	20
Ethylbenzene	ND		56.9	43.3		ug/Kg	*	76	73 - 125	4	20
1,2-Dibromoethane	ND		56.9	55.0		ug/Kg	*	97	76 - 135	1	20
Trichlorofluoromethane	ND		56.9	34.8		ug/Kg	*	61	48 - 150	3	33

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		58 - 140
Toluene-d8 (Surr)	104		80 - 126
4-Bromofluorobenzene (Surr)	103		76 - 127
Dibromofluoromethane (Surr)	90		75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153993/6

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			12/28/12 11:08	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			12/28/12 11:08	1
Benzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
Chlorobenzene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Carbon disulfide	ND		2.0	0.45	ug/L			12/28/12 11:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Cyclohexane	ND		2.0	0.28	ug/L			12/28/12 11:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			12/28/12 11:08	1
Bromomethane	ND		2.0	0.21	ug/L			12/28/12 11:08	1
Bromoform	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Chloroethane	ND		2.0	0.41	ug/L			12/28/12 11:08	1
Chloroform	ND		1.0	0.16	ug/L			12/28/12 11:08	1
Chlorobromomethane	ND		1.0	0.10	ug/L			12/28/12 11:08	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Isopropylbenzene	ND		1.0	0.19	ug/L			12/28/12 11:08	1
2-Hexanone	ND		5.0	1.7	ug/L			12/28/12 11:08	1
Chloromethane	ND		2.0	0.30	ug/L			12/28/12 11:08	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			12/28/12 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			12/28/12 11:08	1
Methylene Chloride	0.490	J	2.0	0.32	ug/L			12/28/12 11:08	1
Methyl acetate	ND		5.0	1.6	ug/L			12/28/12 11:08	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			12/28/12 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			12/28/12 11:08	1
Methylcyclohexane	ND		1.0	0.36	ug/L			12/28/12 11:08	1
Styrene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/28/12 11:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 11:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 11:08	1
Toluene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			12/28/12 11:08	1
Trichloroethene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			12/28/12 11:08	1
Vinyl chloride	ND		1.0	0.10	ug/L			12/28/12 11:08	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			12/28/12 11:08	1
o-Xylene	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Tetrachloroethene	ND		1.0	0.20	ug/L			12/28/12 11:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			12/28/12 11:08	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			12/28/12 11:08	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			12/28/12 11:08	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			12/28/12 11:08	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			12/28/12 11:08	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153993/6

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		200	57	ug/L			12/28/12 11:08	1
Ethylbenzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			12/28/12 11:08	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			12/28/12 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 127		12/28/12 11:08	1
Toluene-d8 (Surr)	83		80 - 125		12/28/12 11:08	1
4-Bromofluorobenzene (Surr)	81		78 - 120		12/28/12 11:08	1
Dibromofluoromethane (Surr)	93		77 - 120		12/28/12 11:08	1

Lab Sample ID: LCS 280-153993/23

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.3		ug/L		102	50 - 156
2-Butanone (MEK)	20.0	26.6		ug/L		133	44 - 150
Benzene	5.00	5.39		ug/L		108	74 - 135
Chlorobenzene	5.00	5.09		ug/L		102	76 - 135
Carbon disulfide	5.00	4.77		ug/L		95	34 - 150
Carbon tetrachloride	5.00	5.24		ug/L		105	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.55	J	ug/L		91	65 - 150
Bromomethane	5.00	4.21		ug/L		84	38 - 150
Bromoform	5.00	4.57		ug/L		91	62 - 135
Chloroethane	5.00	4.31		ug/L		86	46 - 147
Chloroform	5.00	5.12		ug/L		102	76 - 120
Chlorobromomethane	5.00	5.03		ug/L		101	70 - 135
Dichlorobromomethane	5.00	5.25		ug/L		105	73 - 135
Chlorodibromomethane	5.00	4.41		ug/L		88	68 - 135
Isopropylbenzene	5.00	5.09		ug/L		102	75 - 135
2-Hexanone	20.0	18.0		ug/L		90	47 - 150
Chloromethane	5.00	4.34		ug/L		87	34 - 145
Dichlorodifluoromethane	5.00	3.94		ug/L		79	28 - 152
trans-1,2-Dichloroethene	5.00	5.54		ug/L		111	75 - 135
trans-1,3-Dichloropropene	5.00	5.01		ug/L		100	68 - 135
Methylene Chloride	5.00	5.29		ug/L		106	54 - 141
Methyl tert-butyl ether	5.00	5.07		ug/L		101	46 - 135
4-Methyl-2-pentanone (MIBK)	20.0	19.2		ug/L		96	53 - 150
Styrene	5.00	4.85		ug/L		97	68 - 135
1,1,2,2-Tetrachloroethane	5.00	5.55		ug/L		111	66 - 135
1,2,3-Trichlorobenzene	5.00	4.70		ug/L		94	60 - 135
1,2,4-Trichlorobenzene	5.00	4.53		ug/L		91	64 - 135
Toluene	5.00	5.73		ug/L		115	73 - 120
1,1,1-Trichloroethane	5.00	5.23		ug/L		105	70 - 135
1,1,2-Trichloroethane	5.00	5.08		ug/L		102	73 - 135
Trichloroethene	5.00	5.13		ug/L		103	73 - 135
Vinyl chloride	5.00	4.08		ug/L		82	40 - 144

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153993/23

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	74 - 135
o-Xylene	5.00	4.85		ug/L		97	73 - 135
Tetrachloroethene	5.00	4.99		ug/L		100	70 - 135
1,2-Dichlorobenzene	5.00	5.17		ug/L		103	75 - 135
1,3-Dichlorobenzene	5.00	5.13		ug/L		103	74 - 135
1,4-Dichlorobenzene	5.00	5.10		ug/L		102	75 - 135
cis-1,2-Dichloroethene	5.00	5.31		ug/L		106	73 - 135
cis-1,3-Dichloropropene	5.00	4.35		ug/L		87	66 - 135
1,1-Dichloroethane	5.00	5.15		ug/L		103	75 - 135
1,1-Dichloroethene	5.00	6.12		ug/L		122	71 - 136
1,2-Dichloroethane	5.00	5.11		ug/L		102	70 - 135
1,2-Dichloropropane	5.00	5.13		ug/L		103	71 - 120
Ethylbenzene	5.00	5.14		ug/L		103	72 - 120
1,2-Dibromoethane	5.00	5.05		ug/L		101	71 - 135
Trichlorofluoromethane	5.00	4.08		ug/L		82	47 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		70 - 127
Toluene-d8 (Surr)	85		80 - 125
4-Bromofluorobenzene (Surr)	84		78 - 120
Dibromofluoromethane (Surr)	92		77 - 120

Lab Sample ID: 280-37297-N-1 MS

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	21.3		ug/L		107	50 - 156
2-Butanone (MEK)	ND		20.0	29.0		ug/L		145	44 - 150
Benzene	ND		5.00	5.64		ug/L		113	74 - 135
Chlorobenzene	ND		5.00	5.35		ug/L		107	76 - 135
Carbon disulfide	ND		5.00	4.76		ug/L		95	34 - 150
Carbon tetrachloride	ND		5.00	5.52		ug/L		110	67 - 135
1,2-Dibromo-3-Chloropropane	ND		5.00	4.56	J	ug/L		91	65 - 150
Bromomethane	ND		5.00	4.22		ug/L		84	38 - 150
Bromoform	ND		5.00	4.90		ug/L		98	62 - 135
Chloroethane	ND		5.00	4.53		ug/L		91	46 - 147
Chloroform	ND		5.00	5.46		ug/L		109	76 - 120
Chlorobromomethane	ND		5.00	5.30		ug/L		106	70 - 135
Dichlorobromomethane	ND		5.00	5.62		ug/L		112	73 - 135
Chlorodibromomethane	ND		5.00	4.78		ug/L		96	68 - 135
Isopropylbenzene	ND		5.00	5.18		ug/L		104	75 - 135
2-Hexanone	ND		20.0	19.1		ug/L		95	47 - 150
Chloromethane	ND		5.00	4.25		ug/L		85	34 - 145
Dichlorodifluoromethane	ND		5.00	4.16		ug/L		83	28 - 152
trans-1,2-Dichloroethene	ND		5.00	5.79		ug/L		116	75 - 135
trans-1,3-Dichloropropene	ND		5.00	5.33		ug/L		107	68 - 135
Methylene Chloride	ND		5.00	5.35		ug/L		107	54 - 141

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37297-N-1 MS

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methyl tert-butyl ether	ND		5.00	5.61		ug/L		112	46 - 135
4-Methyl-2-pentanone (MIBK)	ND		20.0	20.3		ug/L		102	53 - 150
Styrene	ND		5.00	4.94		ug/L		99	68 - 135
1,1,2,2-Tetrachloroethane	ND		5.00	6.09		ug/L		122	66 - 135
1,2,3-Trichlorobenzene	ND		5.00	5.30		ug/L		106	60 - 135
1,2,4-Trichlorobenzene	ND		5.00	4.76		ug/L		95	64 - 135
Toluene	ND		5.00	5.96		ug/L		119	73 - 120
1,1,1-Trichloroethane	ND		5.00	5.44		ug/L		109	70 - 135
1,1,2-Trichloroethane	ND		5.00	5.48		ug/L		110	73 - 135
Trichloroethene	ND		5.00	5.15		ug/L		103	73 - 135
Vinyl chloride	ND		5.00	4.15		ug/L		83	40 - 144
m-Xylene & p-Xylene	ND		10.0	10.7		ug/L		107	74 - 135
o-Xylene	ND		5.00	5.04		ug/L		101	73 - 135
Tetrachloroethene	ND		5.00	5.35		ug/L		107	70 - 135
1,2-Dichlorobenzene	ND		5.00	5.35		ug/L		107	75 - 135
1,3-Dichlorobenzene	ND		5.00	5.41		ug/L		108	74 - 135
1,4-Dichlorobenzene	ND		5.00	5.39		ug/L		108	75 - 135
cis-1,2-Dichloroethene	ND		5.00	5.62		ug/L		112	73 - 135
cis-1,3-Dichloropropene	ND		5.00	4.37		ug/L		87	66 - 135
1,1-Dichloroethane	ND		5.00	5.42		ug/L		108	75 - 135
1,1-Dichloroethene	ND		5.00	6.51		ug/L		130	71 - 136
1,2-Dichloroethane	ND		5.00	5.68		ug/L		114	70 - 135
1,2-Dichloropropane	ND		5.00	5.48		ug/L		110	71 - 120
Ethylbenzene	ND		5.00	5.25		ug/L		105	72 - 120
1,2-Dibromoethane	ND		5.00	5.61		ug/L		112	71 - 135
Trichlorofluoromethane	ND		5.00	4.22		ug/L		84	47 - 150
		MS MS							
Surrogate		%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)		103		70 - 127					
Toluene-d8 (Surr)		93		80 - 125					
4-Bromofluorobenzene (Surr)		91		78 - 120					
Dibromofluoromethane (Surr)		104		77 - 120					

Lab Sample ID: 280-37297-N-1 MSD

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND		20.0	22.1		ug/L		111	50 - 156	4	41
2-Butanone (MEK)	ND		20.0	30.7	F	ug/L		154	44 - 150	6	32
Benzene	ND		5.00	5.61		ug/L		112	74 - 135	1	20
Chlorobenzene	ND		5.00	5.34		ug/L		107	76 - 135	0	20
Carbon disulfide	ND		5.00	4.83		ug/L		97	34 - 150	2	20
Carbon tetrachloride	ND		5.00	5.35		ug/L		107	67 - 135	3	21
1,2-Dibromo-3-Chloropropane	ND		5.00	5.05		ug/L		101	65 - 150	10	22
Bromomethane	ND		5.00	4.22		ug/L		84	38 - 150	0	24
Bromoform	ND		5.00	4.99		ug/L		100	62 - 135	2	21
Chloroethane	ND		5.00	4.37		ug/L		87	46 - 147	4	25

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37297-N-1 MSD

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		5.00	5.46		ug/L		109	76 - 120	0	20
Chlorobromomethane	ND		5.00	5.44		ug/L		109	70 - 135	3	20
Dichlorobromomethane	ND		5.00	5.58		ug/L		112	73 - 135	1	20
Chlorodibromomethane	ND		5.00	4.90		ug/L		98	68 - 135	2	20
Isopropylbenzene	ND		5.00	5.28		ug/L		106	75 - 135	2	20
2-Hexanone	ND		20.0	20.7		ug/L		104	47 - 150	8	25
Chloromethane	ND		5.00	4.13		ug/L		83	34 - 145	3	24
Dichlorodifluoromethane	ND		5.00	4.31		ug/L		86	28 - 152	3	24
trans-1,2-Dichloroethene	ND		5.00	5.85		ug/L		117	75 - 135	1	24
trans-1,3-Dichloropropene	ND		5.00	5.50		ug/L		110	68 - 135	3	20
Methylene Chloride	ND		5.00	5.47		ug/L		109	54 - 141	2	20
Methyl tert-butyl ether	ND		5.00	5.89		ug/L		118	46 - 135	5	21
4-Methyl-2-pentanone (MIBK)	ND		20.0	21.3		ug/L		107	53 - 150	5	22
Styrene	ND		5.00	5.04		ug/L		101	68 - 135	2	20
1,1,2,2-Tetrachloroethane	ND		5.00	6.29		ug/L		126	66 - 135	3	20
1,2,3-Trichlorobenzene	ND		5.00	5.50		ug/L		110	60 - 135	4	29
1,2,4-Trichlorobenzene	ND		5.00	5.16		ug/L		103	64 - 135	8	25
Toluene	ND		5.00	6.03	F	ug/L		121	73 - 120	1	20
1,1,1-Trichloroethane	ND		5.00	5.46		ug/L		109	70 - 135	0	20
1,1,2-Trichloroethane	ND		5.00	5.82		ug/L		116	73 - 135	6	21
Trichloroethene	ND		5.00	5.18		ug/L		104	73 - 135	1	20
Vinyl chloride	ND		5.00	4.09		ug/L		82	40 - 144	2	24
m-Xylene & p-Xylene	ND		10.0	10.7		ug/L		107	74 - 135	0	20
o-Xylene	ND		5.00	5.13		ug/L		103	73 - 135	2	20
Tetrachloroethene	ND		5.00	5.30		ug/L		106	70 - 135	1	20
1,2-Dichlorobenzene	ND		5.00	5.50		ug/L		110	75 - 135	3	20
1,3-Dichlorobenzene	ND		5.00	5.38		ug/L		108	74 - 135	1	20
1,4-Dichlorobenzene	ND		5.00	5.36		ug/L		107	75 - 135	1	23
cis-1,2-Dichloroethene	ND		5.00	5.67		ug/L		113	73 - 135	1	20
cis-1,3-Dichloropropene	ND		5.00	4.56		ug/L		91	66 - 135	4	20
1,1-Dichloroethane	ND		5.00	5.41		ug/L		108	75 - 135	0	21
1,1-Dichloroethene	ND		5.00	6.48		ug/L		130	71 - 136	1	20
1,2-Dichloroethane	ND		5.00	5.76		ug/L		115	70 - 135	1	20
1,2-Dichloropropane	ND		5.00	5.48		ug/L		110	71 - 120	0	20
Ethylbenzene	ND		5.00	5.33		ug/L		107	72 - 120	2	26
1,2-Dibromoethane	ND		5.00	5.51		ug/L		110	71 - 135	2	20
Trichlorofluoromethane	ND		5.00	4.19		ug/L		84	47 - 150	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		70 - 127
Toluene-d8 (Surr)	92		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	105		77 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-153406/1-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.8	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.7	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,2,4-Trichlorobenzene	ND		4.0	0.28	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,2-Dichlorobenzene	ND		4.0	0.23	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,3-Dichlorobenzene	ND		10	0.30	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,4-Dichlorobenzene	ND		4.0	0.32	ug/L		12/22/12 15:00	12/27/12 10:39	1
1,4-Dioxane	ND		20	1.7	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4,6-Trichlorophenol	ND		10	0.29	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4-Dichlorophenol	ND		10	0.64	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,2'-oxybis[1-chloropropane]	ND		10	0.28	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,3,4,6-Tetrachlorophenol	ND		50	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4,5-Trichlorophenol	ND		10	0.45	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4-Dimethylphenol	ND		10	0.58	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4-Dinitrophenol	ND		30	10	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		12/22/12 15:00	12/27/12 10:39	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Chloronaphthalene	ND		4.0	0.26	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Chlorophenol	ND		10	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Methylnaphthalene	ND		4.0	0.29	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Methylphenol	ND		10	0.98	ug/L		12/22/12 15:00	12/27/12 10:39	1
3 & 4 Methylphenol	ND		10	0.25	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Nitroaniline	ND		10	1.7	ug/L		12/22/12 15:00	12/27/12 10:39	1
2-Nitrophenol	ND		10	0.39	ug/L		12/22/12 15:00	12/27/12 10:39	1
3,3'-Dichlorobenzidine	ND		50	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
3-Nitroaniline	ND		10	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Bromophenyl phenyl ether	ND		10	0.43	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Chloroaniline	ND		10	2.1	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Chlorophenyl phenyl ether	ND		10	1.7	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Nitroaniline	ND		10	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
4-Nitrophenol	ND		10	1.2	ug/L		12/22/12 15:00	12/27/12 10:39	1
Acenaphthene	ND		4.0	0.28	ug/L		12/22/12 15:00	12/27/12 10:39	1
Acenaphthylene	ND		4.0	0.49	ug/L		12/22/12 15:00	12/27/12 10:39	1
Acetophenone	ND		10	0.24	ug/L		12/22/12 15:00	12/27/12 10:39	1
Anthracene	ND		4.0	0.42	ug/L		12/22/12 15:00	12/27/12 10:39	1
Atrazine	ND		10	0.73	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzaldehyde	ND		10	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		12/22/12 15:00	12/27/12 10:39	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		12/22/12 15:00	12/27/12 10:39	1
Bis(2-chloroethoxy)methane	ND		10	0.97	ug/L		12/22/12 15:00	12/27/12 10:39	1
Bis(2-chloroethyl)ether	ND		10	0.41	ug/L		12/22/12 15:00	12/27/12 10:39	1
Bis(2-ethylhexyl) phthalate	ND		10	0.56	ug/L		12/22/12 15:00	12/27/12 10:39	1
Butyl benzyl phthalate	ND		4.0	1.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
Caprolactam	ND		10	5.0	ug/L		12/22/12 15:00	12/27/12 10:39	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153406/1-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153406

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbazole	ND		4.0	0.43	ug/L		12/22/12 15:00	12/27/12 10:39	1
Chrysene	ND		4.0	0.54	ug/L		12/22/12 15:00	12/27/12 10:39	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		12/22/12 15:00	12/27/12 10:39	1
Di-n-butyl phthalate	ND		4.0	1.2	ug/L		12/22/12 15:00	12/27/12 10:39	1
Di-n-octyl phthalate	ND		4.0	0.35	ug/L		12/22/12 15:00	12/27/12 10:39	1
Dibenzofuran	ND		4.0	0.29	ug/L		12/22/12 15:00	12/27/12 10:39	1
Diethyl phthalate	ND		4.0	0.38	ug/L		12/22/12 15:00	12/27/12 10:39	1
Dimethyl phthalate	ND		4.0	0.21	ug/L		12/22/12 15:00	12/27/12 10:39	1
Fluoranthene	ND		4.0	0.20	ug/L		12/22/12 15:00	12/27/12 10:39	1
Fluorene	ND		4.0	0.31	ug/L		12/22/12 15:00	12/27/12 10:39	1
Hexachlorobenzene	ND		10	0.66	ug/L		12/22/12 15:00	12/27/12 10:39	1
Hexachlorobutadiene	ND		10	3.3	ug/L		12/22/12 15:00	12/27/12 10:39	1
Hexachlorocyclopentadiene	ND		50	10	ug/L		12/22/12 15:00	12/27/12 10:39	1
Hexachloroethane	ND		10	2.1	ug/L		12/22/12 15:00	12/27/12 10:39	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		12/22/12 15:00	12/27/12 10:39	1
Isophorone	ND		10	0.21	ug/L		12/22/12 15:00	12/27/12 10:39	1
N-Nitrosodi-n-propylamine	ND		10	0.35	ug/L		12/22/12 15:00	12/27/12 10:39	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10	0.44	ug/L		12/22/12 15:00	12/27/12 10:39	1
Naphthalene	ND		4.0	0.29	ug/L		12/22/12 15:00	12/27/12 10:39	1
Nitrobenzene	ND		10	0.81	ug/L		12/22/12 15:00	12/27/12 10:39	1
Pentachlorophenol	ND		50	20	ug/L		12/22/12 15:00	12/27/12 10:39	1
Phenanthrene	ND		4.0	0.26	ug/L		12/22/12 15:00	12/27/12 10:39	1
Phenol	ND		10	2.0	ug/L		12/22/12 15:00	12/27/12 10:39	1
Pyrene	ND		10	0.37	ug/L		12/22/12 15:00	12/27/12 10:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	89		51 - 120	12/22/12 15:00	12/27/12 10:39	1
Phenol-d5	92		51 - 120	12/22/12 15:00	12/27/12 10:39	1
2,4,6-Tribromophenol	78		57 - 120	12/22/12 15:00	12/27/12 10:39	1
2-Fluorobiphenyl	85		38 - 120	12/22/12 15:00	12/27/12 10:39	1
Nitrobenzene-d5	92		48 - 120	12/22/12 15:00	12/27/12 10:39	1
Terphenyl-d14	95		50 - 120	12/22/12 15:00	12/27/12 10:39	1

Lab Sample ID: LCS 280-153406/2-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2-Dichlorobenzene	80.0	67.4		ug/L		84	28 - 120
1,3-Dichlorobenzene	80.0	66.5		ug/L		83	24 - 120
1,4-Dichlorobenzene	80.0	67.0		ug/L		84	25 - 120
2,4,6-Trichlorophenol	80.0	77.4		ug/L		97	62 - 120
2,4-Dichlorophenol	80.0	73.0		ug/L		91	62 - 120
2,2'-oxybis[1-chloropropane]	80.0	70.2		ug/L		88	49 - 120
2,4,5-Trichlorophenol	80.0	76.5		ug/L		96	64 - 120
2,4-Dimethylphenol	80.0	64.4		ug/L		80	44 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153406/2-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol	80.0	63.0		ug/L		79	55 - 120
2,4-Dinitrotoluene	80.0	83.3		ug/L		104	76 - 120
2,6-Dinitrotoluene	80.0	79.8		ug/L		100	73 - 120
2-Chloronaphthalene	80.0	71.3		ug/L		89	51 - 120
2-Chlorophenol	80.0	74.3		ug/L		93	58 - 120
2-Methylnaphthalene	80.0	68.0		ug/L		85	42 - 120
2-Methylphenol	80.0	73.2		ug/L		91	62 - 120
3 & 4 Methylphenol	160	149		ug/L		93	58 - 120
2-Nitroaniline	80.0	83.2		ug/L		104	70 - 120
2-Nitrophenol	80.0	78.8		ug/L		98	59 - 120
3,3'-Dichlorobenzidine	80.0	43.3	J	ug/L		54	10 - 120
3-Nitroaniline	80.0	74.2		ug/L		93	70 - 120
4,6-Dinitro-2-methylphenol	80.0	73.8		ug/L		92	63 - 125
4-Bromophenyl phenyl ether	80.0	74.1		ug/L		93	69 - 120
4-Chloro-3-methylphenol	80.0	76.4		ug/L		95	69 - 120
4-Chloroaniline	80.0	63.1		ug/L		79	60 - 120
4-Chlorophenyl phenyl ether	80.0	74.4		ug/L		93	67 - 120
4-Nitroaniline	80.0	77.0		ug/L		96	70 - 120
4-Nitrophenol	80.0	77.5		ug/L		97	59 - 129
Acenaphthene	80.0	71.9		ug/L		90	61 - 120
Acenaphthylene	80.0	75.1		ug/L		94	63 - 120
Anthracene	80.0	74.4		ug/L		93	71 - 120
Benzo[a]pyrene	80.0	66.2		ug/L		83	63 - 120
Benzo[b]fluoranthene	80.0	83.6		ug/L		104	65 - 120
Benzo[g,h,i]perylene	80.0	75.8		ug/L		95	69 - 120
Benzo[k]fluoranthene	80.0	70.1		ug/L		88	66 - 120
Benzo[a]anthracene	80.0	74.4		ug/L		93	71 - 120
Bis(2-chloroethoxy)methane	80.0	71.8		ug/L		90	64 - 120
Bis(2-chloroethyl)ether	80.0	91.8		ug/L		115	60 - 120
Bis(2-ethylhexyl) phthalate	80.0	83.0		ug/L		104	62 - 133
Butyl benzyl phthalate	80.0	84.7		ug/L		106	71 - 120
Carbazole	80.0	75.7		ug/L		95	72 - 120
Chrysene	80.0	76.8		ug/L		96	69 - 120
Dibenz(a,h)anthracene	80.0	75.9		ug/L		95	63 - 120
Di-n-butyl phthalate	80.0	81.7		ug/L		102	75 - 120
Di-n-octyl phthalate	80.0	83.3		ug/L		104	71 - 120
Diethyl phthalate	80.0	78.7		ug/L		98	73 - 120
Dimethyl phthalate	80.0	77.5		ug/L		97	73 - 120
Fluoranthene	80.0	75.1		ug/L		94	73 - 120
Fluorene	80.0	74.1		ug/L		93	68 - 120
Hexachlorobenzene	80.0	71.1		ug/L		89	69 - 120
Hexachlorobutadiene	80.0	63.8		ug/L		80	24 - 120
Hexachlorocyclopentadiene	80.0	21.9	J	ug/L		27	10 - 120
Hexachloroethane	80.0	67.3		ug/L		84	21 - 120
Indeno[1,2,3-cd]pyrene	80.0	69.1		ug/L		86	63 - 120
Isophorone	80.0	77.6		ug/L		97	65 - 120
N-Nitrosodi-n-propylamine	80.0	79.0		ug/L		99	58 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153406/2-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Nitrosodiphenylamine(as diphenylamine)	68.3	63.3		ug/L		93	66 - 120
Naphthalene	80.0	68.8		ug/L		86	39 - 120
Nitrobenzene	80.0	75.2		ug/L		94	59 - 120
Pentachlorophenol	80.0	64.4		ug/L		81	57 - 120
Phenanthrene	80.0	75.2		ug/L		94	71 - 120
Phenol	80.0	74.5		ug/L		93	61 - 120
Pyrene	80.0	76.9		ug/L		96	71 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	89		51 - 120
Phenol-d5	93		51 - 120
2,4,6-Tribromophenol	91		57 - 120
2-Fluorobiphenyl	85		38 - 120
Nitrobenzene-d5	93		48 - 120
Terphenyl-d14	97		50 - 120

Lab Sample ID: LCSD 280-153406/3-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 153406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,2,4-Trichlorobenzene	80.0	63.7		ug/L		80	28 - 120	3	42
1,2-Dichlorobenzene	80.0	65.0		ug/L		81	28 - 120	4	49
1,3-Dichlorobenzene	80.0	63.6		ug/L		80	24 - 120	4	52
1,4-Dichlorobenzene	80.0	62.8		ug/L		78	25 - 120	7	52
2,4,6-Trichlorophenol	80.0	77.7		ug/L		97	62 - 120	0	30
2,4-Dichlorophenol	80.0	75.8		ug/L		95	62 - 120	4	30
2,2'-oxybis[1-chloropropane]	80.0	70.0		ug/L		87	49 - 120	0	30
2,4,5-Trichlorophenol	80.0	76.9		ug/L		96	64 - 120	0	30
2,4-Dimethylphenol	80.0	64.7		ug/L		81	44 - 120	0	30
2,4-Dinitrophenol	80.0	67.0		ug/L		84	55 - 120	6	49
2,4-Dinitrotoluene	80.0	85.9		ug/L		107	76 - 120	3	32
2,6-Dinitrotoluene	80.0	80.0		ug/L		100	73 - 120	0	30
2-Chloronaphthalene	80.0	71.6		ug/L		89	51 - 120	0	30
2-Chlorophenol	80.0	74.7		ug/L		93	58 - 120	1	30
2-Methylnaphthalene	80.0	67.5		ug/L		84	42 - 120	1	32
2-Methylphenol	80.0	73.8		ug/L		92	62 - 120	1	30
3 & 4 Methylphenol	160	149		ug/L		93	58 - 120	0	30
2-Nitroaniline	80.0	86.5		ug/L		108	70 - 120	4	30
2-Nitrophenol	80.0	80.6		ug/L		101	59 - 120	2	30
3,3'-Dichlorobenzidine	80.0	50.5		ug/L		63	10 - 120	15	30
3-Nitroaniline	80.0	75.0		ug/L		94	70 - 120	1	35
4,6-Dinitro-2-methylphenol	80.0	80.7		ug/L		101	63 - 125	9	37
4-Bromophenyl phenyl ether	80.0	75.3		ug/L		94	69 - 120	2	31
4-Chloro-3-methylphenol	80.0	78.8		ug/L		98	69 - 120	3	30
4-Chloroaniline	80.0	67.2		ug/L		84	60 - 120	6	54
4-Chlorophenyl phenyl ether	80.0	75.1		ug/L		94	67 - 120	1	30

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-153406/3-A

Matrix: Water

Analysis Batch: 153874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 153406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	RPD	Limit
4-Nitroaniline	80.0	80.6		ug/L		101	70 - 120	4	34	
4-Nitrophenol	80.0	84.8		ug/L		106	59 - 129	9	35	
Acenaphthene	80.0	72.8		ug/L		91	61 - 120	1	30	
Acenaphthylene	80.0	75.9		ug/L		95	63 - 120	1	30	
Anthracene	80.0	76.7		ug/L		96	71 - 120	3	30	
Benzo[a]pyrene	80.0	69.7		ug/L		87	63 - 120	5	30	
Benzo[b]fluoranthene	80.0	79.0		ug/L		99	65 - 120	6	38	
Benzo[g,h,i]perylene	80.0	78.2		ug/L		98	69 - 120	3	30	
Benzo[k]fluoranthene	80.0	78.0		ug/L		97	66 - 120	11	37	
Benzo[a]anthracene	80.0	78.1		ug/L		98	71 - 120	5	30	
Bis(2-chloroethoxy)methane	80.0	74.0		ug/L		93	64 - 120	3	30	
Bis(2-chloroethyl)ether	80.0	94.8		ug/L		118	60 - 120	3	34	
Bis(2-ethylhexyl) phthalate	80.0	87.0		ug/L		109	62 - 133	5	30	
Butyl benzyl phthalate	80.0	88.2		ug/L		110	71 - 120	4	30	
Carbazole	80.0	77.7		ug/L		97	72 - 120	3	30	
Chrysene	80.0	78.1		ug/L		98	69 - 120	2	30	
Dibenz(a,h)anthracene	80.0	77.8		ug/L		97	63 - 120	3	30	
Di-n-butyl phthalate	80.0	84.3		ug/L		105	75 - 120	3	30	
Di-n-octyl phthalate	80.0	86.2		ug/L		108	71 - 120	3	30	
Diethyl phthalate	80.0	80.0		ug/L		100	73 - 120	2	30	
Dimethyl phthalate	80.0	78.7		ug/L		98	73 - 120	2	30	
Fluoranthene	80.0	77.0		ug/L		96	73 - 120	3	34	
Fluorene	80.0	74.9		ug/L		94	68 - 120	1	30	
Hexachlorobenzene	80.0	73.4		ug/L		92	69 - 120	3	30	
Hexachlorobutadiene	80.0	61.1		ug/L		76	24 - 120	4	47	
Hexachlorocyclopentadiene	80.0	24.3	J	ug/L		30	10 - 120	10	72	
Hexachloroethane	80.0	63.3		ug/L		79	21 - 120	6	57	
Indeno[1,2,3-cd]pyrene	80.0	71.9		ug/L		90	63 - 120	4	30	
Isophorone	80.0	79.5		ug/L		99	65 - 120	2	30	
N-Nitrosodi-n-propylamine	80.0	79.7		ug/L		100	58 - 120	1	30	
n-Nitrosodiphenylamine(as diphenylamine)	68.3	64.9		ug/L		95	66 - 120	2	37	
Naphthalene	80.0	68.4		ug/L		86	39 - 120	1	34	
Nitrobenzene	80.0	77.0		ug/L		96	59 - 120	2	30	
Pentachlorophenol	80.0	67.2		ug/L		84	57 - 120	4	33	
Phenanthrene	80.0	75.7		ug/L		95	71 - 120	1	30	
Phenol	80.0	74.9		ug/L		94	61 - 120	0	42	
Pyrene	80.0	80.2		ug/L		100	71 - 120	4	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorophenol	91		51 - 120
Phenol-d5	93		51 - 120
2,4,6-Tribromophenol	92		57 - 120
2-Fluorobiphenyl	88		38 - 120
Nitrobenzene-d5	96		48 - 120
Terphenyl-d14	100		50 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-153611/1-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.53	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
4,4'-DDE	ND		1.6	0.23	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
4,4'-DDT	ND		1.6	0.57	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Aldrin	ND		1.6	0.24	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
alpha-BHC	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
beta-BHC	ND		1.6	0.64	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Chlordane (n.o.s.)	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
delta-BHC	ND		1.6	0.39	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Dieldrin	ND		1.6	0.20	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan I	ND		1.6	0.17	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan II	ND		1.6	0.28	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan sulfate	ND		1.6	0.27	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endrin	ND		1.6	0.29	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endrin aldehyde	ND		1.6	0.16	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
gamma-BHC (Lindane)	ND		1.6	0.45	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Heptachlor	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Heptachlor epoxide	ND		1.6	0.41	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Methoxychlor	ND		3.2	0.43	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Toxaphene	ND		64	15	ug/Kg		12/24/12 11:15	12/31/12 16:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		63 - 124	12/24/12 11:15	12/31/12 16:32	1
Tetrachloro-m-xylene	86		59 - 115	12/24/12 11:15	12/31/12 16:32	1

Lab Sample ID: LCS 280-153611/2-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	16.1		ug/Kg		98	54 - 130
4,4'-DDE	16.4	15.7		ug/Kg		96	58 - 121
4,4'-DDT	16.4	16.5		ug/Kg		101	57 - 133
Aldrin	16.4	14.2		ug/Kg		86	63 - 115
alpha-BHC	16.4	14.1		ug/Kg		86	64 - 116
beta-BHC	16.4	14.5		ug/Kg		89	67 - 115
delta-BHC	16.4	15.2		ug/Kg		93	67 - 115
Dieldrin	16.4	16.2		ug/Kg		99	65 - 127
Endosulfan I	16.4	15.5		ug/Kg		94	65 - 118
Endosulfan II	16.4	16.0		ug/Kg		98	71 - 118
Endosulfan sulfate	16.4	15.8		ug/Kg		96	67 - 123
Endrin	16.4	18.2		ug/Kg		111	77 - 134
Endrin aldehyde	16.4	9.56		ug/Kg		58	47 - 115
gamma-BHC (Lindane)	16.4	14.5		ug/Kg		88	63 - 118
Heptachlor	16.4	14.1		ug/Kg		86	68 - 115
Methoxychlor	16.4	16.2		ug/Kg		99	67 - 130

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-153611/2-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153611

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	94		63 - 124
Tetrachloro-m-xylene	85		59 - 115

Lab Sample ID: 280-37307-A-1-B MS

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				Limit	Limit
4,4'-DDD	ND		16.0	ND	D	ug/Kg	*	0	54 - 130	
4,4'-DDE	ND		16.0	15.2	D	ug/Kg	*	95	58 - 121	
4,4'-DDT	ND		16.0	15.5	D	ug/Kg	*	97	57 - 133	
Aldrin	ND		16.0	15.4	D	ug/Kg	*	96	63 - 115	
alpha-BHC	ND		16.0	16.0	D	ug/Kg	*	100	64 - 116	
beta-BHC	ND		16.0	16.5	D	ug/Kg	*	103	67 - 115	
delta-BHC	ND		16.0	16.3	D	ug/Kg	*	102	67 - 115	
Dieldrin	ND		16.0	15.1	D	ug/Kg	*	94	65 - 127	
Endosulfan I	ND		16.0	14.6	D	ug/Kg	*	91	65 - 118	
Endosulfan II	ND		16.0	14.4	D	ug/Kg	*	90	71 - 118	
Endosulfan sulfate	ND		16.0	14.4	D	ug/Kg	*	90	67 - 123	
Endrin	ND		16.0	17.4	D	ug/Kg	*	109	77 - 134	
Endrin aldehyde	ND		16.0	11.2	D	ug/Kg	*	70	47 - 115	
gamma-BHC (Lindane)	ND		16.0	15.8	D	ug/Kg	*	99	63 - 118	
Heptachlor	ND		16.0	18.5	D	ug/Kg	*	116	68 - 115	
Methoxychlor	ND		16.0	14.9	J D	ug/Kg	*	93	67 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	89	D	63 - 124
Tetrachloro-m-xylene	91	D	59 - 115

Lab Sample ID: 280-37307-A-1-C MSD

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits		RPD	
				Result	Qualifier				Limit	Limit	RPD	Limit
4,4'-DDD	ND		16.9	ND	D	ug/Kg	*	0	54 - 130	NC	20	
4,4'-DDE	ND		16.9	16.7	D	ug/Kg	*	98	58 - 121	10	15	
4,4'-DDT	ND		16.9	16.7	D	ug/Kg	*	99	57 - 133	7	29	
Aldrin	ND		16.9	16.9	D	ug/Kg	*	100	63 - 115	9	50	
alpha-BHC	ND		16.9	17.5	D	ug/Kg	*	103	64 - 116	9	17	
beta-BHC	ND		16.9	18.2	D	ug/Kg	*	107	67 - 115	9	17	
delta-BHC	ND		16.9	17.9	D	ug/Kg	*	106	67 - 115	10	19	
Dieldrin	ND		16.9	16.5	D	ug/Kg	*	97	65 - 127	9	25	
Endosulfan I	ND		16.9	16.0	D	ug/Kg	*	95	65 - 118	9	26	
Endosulfan II	ND		16.9	15.6	D	ug/Kg	*	92	71 - 118	8	20	
Endosulfan sulfate	ND		16.9	15.5	D	ug/Kg	*	91	67 - 123	7	22	
Endrin	ND		16.9	19.2	D	ug/Kg	*	114	77 - 134	10	30	
Endrin aldehyde	ND		16.9	11.7	D	ug/Kg	*	69	47 - 115	4	29	
gamma-BHC (Lindane)	ND		16.9	17.3	D	ug/Kg	*	102	63 - 118	9	24	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-37307-A-1-C MSD

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Heptachlor	ND		16.9	20.3	D	ug/Kg	☼	120	68 - 115	9	18
Methoxychlor	ND		16.9	16.1	J D	ug/Kg	☼	95	67 - 130	8	23
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	88	D	63 - 124								
Tetrachloro-m-xylene	96	D	59 - 115								

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-153412/1-A

Matrix: Solid

Analysis Batch: 154352

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153412

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
PCB-1016	ND		31	4.8	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1221	ND		45	15	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1232	ND		31	4.9	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1242	ND		31	8.7	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1248	ND		31	5.3	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1254	ND		31	5.3	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1260	ND		31	2.5	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1262	ND		31	11	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
PCB-1268	ND		31	3.8	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
Polychlorinated biphenyls, Total	ND		31	2.5	ug/Kg		12/21/12 16:15	12/31/12 18:49	1	
MB MB										
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
DCB Decachlorobiphenyl	84		59 - 130	12/21/12 16:15	12/31/12 18:49	1				
Tetrachloro-m-xylene	86		53 - 128	12/21/12 16:15	12/31/12 18:49	1				

Lab Sample ID: LCS 280-153412/3-A

Matrix: Solid

Analysis Batch: 154352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153412

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
PCB-1016	61.0	57.9		ug/Kg		95	54 - 132
PCB-1260	61.0	60.3		ug/Kg		99	62 - 129
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl	85		59 - 130				
Tetrachloro-m-xylene	87		53 - 128				

Lab Sample ID: 280-37285-1 MS

Matrix: Solid

Analysis Batch: 154352

Client Sample ID: NW-02-O

Prep Type: Total/NA

Prep Batch: 153412

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
PCB-1016	ND		69.4	66.4		ug/Kg	☼	96	54 - 132

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 280-37285-1 MS

Matrix: Solid

Analysis Batch: 154352

Client Sample ID: NW-02-O

Prep Type: Total/NA

Prep Batch: 153412

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
PCB-1260	24	J	69.4	77.1		ug/Kg	✖	76		62 - 129
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl	65		59 - 130							
Tetrachloro-m-xylene	87		53 - 128							

Lab Sample ID: 280-37285-1 MSD

Matrix: Solid

Analysis Batch: 154352

Client Sample ID: NW-02-O

Prep Type: Total/NA

Prep Batch: 153412

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
PCB-1016	ND		69.1	67.3		ug/Kg	✖	97		54 - 132	1	36
PCB-1260	24	J	69.1	73.6		ug/Kg	✖	71		62 - 129	5	44
Surrogate	%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	68		59 - 130									
Tetrachloro-m-xylene	89		53 - 128									

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-153862/1-A

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153862

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	ND		79	14	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
Dinoseb	ND		12	1.4	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
2,4,5-T	ND		20	2.3	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	121	X	31 - 105				12/27/12 08:40	01/02/13 14:16	1

Lab Sample ID: LCS 280-153862/2-A

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
2,4-D	88.0	122	*	ug/Kg		138		32 - 115
Dinoseb	88.0	13.6		ug/Kg		15		5 - 166
2,4,5-T	91.8	100		ug/Kg		109		24 - 115
Silvex (2,4,5-TP)	88.0	111		ug/Kg		126		53 - 134
Surrogate	%Recovery	Qualifier	Limits					
2,4-Dichlorophenylacetic acid	105		31 - 105					

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-37307-A-1-I MS

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
2,4-D	ND	*	91.1	97.5	J D	ug/Kg	☼	107	32 - 115
Dinoseb	ND		91.1	ND	D	ug/Kg	☼	0	5 - 166
2,4,5-T	ND	*	95.0	93.7	J D	ug/Kg	☼	99	24 - 115
Silvex (2,4,5-TP)	ND		91.1	87.1	J D	ug/Kg	☼	96	53 - 134

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	63	D	31 - 105

Lab Sample ID: 280-37307-A-1-J MSD

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
2,4-D	ND	*	94.3	105	J D	ug/Kg	☼	112	32 - 115	8	40
Dinoseb	ND		94.3	ND	D	ug/Kg	☼	0	5 - 166	NC	50
2,4,5-T	ND	*	98.4	101	D	ug/Kg	☼	103	24 - 115	8	40
Silvex (2,4,5-TP)	ND		94.3	96.0	J D	ug/Kg	☼	102	53 - 134	10	40

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	90	D	31 - 105

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-153434/1-A

Matrix: Water

Analysis Batch: 153698

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153434

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.4	ug/L		12/24/12 07:30	12/24/12 22:21	1
Barium	2.59	J	10	0.58	ug/L		12/24/12 07:30	12/24/12 22:21	1
Cadmium	0.650	J	5.0	0.45	ug/L		12/24/12 07:30	12/24/12 22:21	1
Chromium	0.680	J	10	0.66	ug/L		12/24/12 07:30	12/24/12 22:21	1
Lead	ND		9.0	2.6	ug/L		12/24/12 07:30	12/24/12 22:21	1
Selenium	ND		15	4.9	ug/L		12/24/12 07:30	12/24/12 22:21	1
Silver	ND		10	0.93	ug/L		12/24/12 07:30	12/24/12 22:21	1

Lab Sample ID: LCS 280-153434/2-A

Matrix: Water

Analysis Batch: 153698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153434

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Arsenic	1000	990		ug/L		99	88 - 110
Barium	2000	2000		ug/L		100	90 - 112
Cadmium	100	103		ug/L		103	88 - 111
Chromium	200	203		ug/L		102	90 - 113
Lead	500	489		ug/L		98	89 - 110
Selenium	2000	1920		ug/L		96	85 - 112

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-153434/2-A

Matrix: Water

Analysis Batch: 153698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	48.2		ug/L		96	86 - 115

Lab Sample ID: 280-37267-K-1-B MS

Matrix: Water

Analysis Batch: 153698

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1000	1030		ug/L		103	84 - 124
Barium	30	B	2000	2060		ug/L		101	85 - 120
Cadmium	0.75	J B	100	105		ug/L		105	82 - 119
Chromium	1.1	J B	200	205		ug/L		102	73 - 135
Lead	ND		500	483		ug/L		97	89 - 121
Selenium	ND		2000	1950		ug/L		97	71 - 140
Silver	ND		50.0	49.6		ug/L		99	75 - 141

Lab Sample ID: 280-37267-K-1-C MSD

Matrix: Water

Analysis Batch: 153698

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1000	1010		ug/L		101	84 - 124	2	20
Barium	30	B	2000	2010		ug/L		99	85 - 120	2	20
Cadmium	0.75	J B	100	107		ug/L		106	82 - 119	1	20
Chromium	1.1	J B	200	205		ug/L		102	73 - 135	0	20
Lead	ND		500	479		ug/L		96	89 - 121	1	20
Selenium	ND		2000	1920		ug/L		96	71 - 140	2	20
Silver	ND		50.0	49.3		ug/L		99	75 - 141	1	20

Lab Sample ID: MB 280-153633/1-A

Matrix: Solid

Analysis Batch: 154235

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1000	76	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Cadmium	ND		500	41	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Chromium	ND		1500	58	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Lead	ND		800	270	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Selenium	ND		1300	860	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Silver	ND		1000	160	ug/Kg		12/28/12 07:30	12/28/12 18:52	1

Lab Sample ID: MB 280-153633/1-A

Matrix: Solid

Analysis Batch: 154331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2000	660	ug/Kg		12/28/12 07:30	12/31/12 15:20	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-153633/2-A
Matrix: Solid
Analysis Batch: 154235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200000	204000		ug/Kg		102	87 - 112
Cadmium	10000	11000		ug/Kg		110	87 - 110
Chromium	20000	21700		ug/Kg		108	84 - 114
Lead	50000	52100		ug/Kg		104	86 - 110
Selenium	200000	209000		ug/Kg		104	83 - 110
Silver	5000	5250		ug/Kg		105	87 - 114

Lab Sample ID: LCS 280-153633/2-A
Matrix: Solid
Analysis Batch: 154331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100000	98300		ug/Kg		98	85 - 110

Lab Sample ID: 280-37285-1 MS
Matrix: Solid
Analysis Batch: 154235

Client Sample ID: NW-02-O
Prep Type: Total/NA
Prep Batch: 153633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	120000		196000	291000		ug/Kg	☼	88	52 - 159
Cadmium	620		9790	10500		ug/Kg	☼	101	40 - 130
Chromium	13000		19600	36000		ug/Kg	☼	119	70 - 200
Lead	220000		48900	169000	4	ug/Kg	☼	-94	70 - 200
Selenium	ND		196000	185000		ug/Kg	☼	95	76 - 104
Silver	ND		4890	4940		ug/Kg	☼	101	75 - 141

Lab Sample ID: 280-37285-1 MS
Matrix: Solid
Analysis Batch: 154331

Client Sample ID: NW-02-O
Prep Type: Total/NA
Prep Batch: 153633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4000		97900	89900		ug/Kg	☼	88	76 - 111

Lab Sample ID: 280-37285-1 MSD
Matrix: Solid
Analysis Batch: 154235

Client Sample ID: NW-02-O
Prep Type: Total/NA
Prep Batch: 153633

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Barium	120000		182000	284000		ug/Kg	☼	92	52 - 159	2	20
Cadmium	620		9110	9810		ug/Kg	☼	101	40 - 130	7	20
Chromium	13000		18200	36400		ug/Kg	☼	130	70 - 200	1	20
Lead	220000		45500	186000	4	ug/Kg	☼	-65	70 - 200	9	20
Selenium	ND		182000	172000		ug/Kg	☼	95	76 - 104	7	20
Silver	ND		4550	4660		ug/Kg	☼	102	75 - 141	6	20

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-37285-1 MSD

Matrix: Solid

Analysis Batch: 154331

Client Sample ID: NW-02-O

Prep Type: Total/NA

Prep Batch: 153633

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Arsenic	4000		91100	83500		ug/Kg	☼	87	76 - 111	7		20

Lab Sample ID: MB 280-153635/1-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 153635

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:30	1
Barium	ND		10	0.58	ug/L		12/28/12 12:00	12/31/12 20:30	1
Cadmium	ND		5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:30	1
Chromium	ND		10	0.66	ug/L		12/28/12 12:00	12/31/12 20:30	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:30	1
Selenium	5.20	J	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:30	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:30	1

Lab Sample ID: LCS 280-153635/2-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 153635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Arsenic	1000	1050		ug/L		105	88 - 110	
Barium	2000	2080		ug/L		104	90 - 112	
Cadmium	100	109		ug/L		109	88 - 111	
Chromium	200	206		ug/L		103	90 - 113	
Lead	500	522		ug/L		104	89 - 110	
Selenium	2000	2100		ug/L		105	85 - 112	
Silver	50.0	53.6		ug/L		107	86 - 115	

Lab Sample ID: 280-37307-D-4-C MS

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 153635

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Arsenic	ND		1000	1070		ug/L		107	84 - 124	
Barium	170		2000	2250		ug/L		104	85 - 120	
Cadmium	0.48	J	100	109		ug/L		108	82 - 119	
Chromium	ND		200	206		ug/L		103	73 - 135	
Lead	ND		500	505		ug/L		101	89 - 121	
Selenium	11	J B	2000	2070		ug/L		103	71 - 140	
Silver	ND		50.0	54.2		ug/L		108	75 - 141	

Lab Sample ID: 280-37307-D-4-D MSD

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 153635

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Arsenic	ND		1000	1040		ug/L		104	84 - 124	2		20
Barium	170		2000	2230		ug/L		103	85 - 120	1		20
Cadmium	0.48	J	100	107		ug/L		107	82 - 119	1		20

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-37307-D-4-D MSD

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 153635

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chromium	ND		200	203		ug/L		101	73 - 135	2	20
Lead	ND		500	499		ug/L		100	89 - 121	1	20
Selenium	11	J B	2000	2050		ug/L		102	71 - 140	1	20
Silver	ND		50.0	53.0		ug/L		106	75 - 141	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-153532/1-A

Matrix: Water

Analysis Batch: 154037

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153532

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0290	J	0.20	0.027	ug/L		12/27/12 12:00	12/27/12 17:55	1

Lab Sample ID: LCS 280-153532/2-A

Matrix: Water

Analysis Batch: 154037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153532

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	5.00	4.81		ug/L		96	84 - 120

Lab Sample ID: 280-37316-A-1-E MS

Matrix: Water

Analysis Batch: 154037

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153532

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	0.039	J B	5.00	3.74	F	ug/L		74	75 - 125

Lab Sample ID: 280-37316-A-1-F MSD

Matrix: Water

Analysis Batch: 154037

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153532

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	0.039	J B	5.00	3.70	F	ug/L		73	75 - 125	1	20

Lab Sample ID: MB 280-154019/1-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154019

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:15	1

Lab Sample ID: LCS 280-154019/2-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154019

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	5.00	4.98		ug/L		100	84 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 280-37285-2 MS
Matrix: Water
Analysis Batch: 154241

Client Sample ID: NW-02-GW
Prep Type: Dissolved
Prep Batch: 154019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		5.00	5.05		ug/L		101	75 - 125

Lab Sample ID: 280-37285-2 MSD
Matrix: Water
Analysis Batch: 154241

Client Sample ID: NW-02-GW
Prep Type: Dissolved
Prep Batch: 154019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		5.00	5.08		ug/L		102	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 280-153674/1-A
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		17	5.5	ug/Kg		12/26/12 11:35	12/26/12 15:13	1

Lab Sample ID: LCS 280-153674/2-A
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	417	420		ug/Kg		101	87 - 111

Lab Sample ID: 280-37285-1 MS
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: NW-02-O
Prep Type: Total/NA
Prep Batch: 153674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	120		436	399	F	ug/Kg	☼	65	87 - 111

Lab Sample ID: 280-37285-1 MSD
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: NW-02-O
Prep Type: Total/NA
Prep Batch: 153674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	120		494	490	F	ug/Kg	☼	76	87 - 111	20	20

Method: 1664A - Oil & Grease (HEM)

Lab Sample ID: MB 280-154167/1-A
Matrix: Water
Analysis Batch: 154181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.4	mg/L		12/29/12 09:20	12/29/12 13:14	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 1664A - Oil & Grease (HEM) (Continued)

Lab Sample ID: LCS 280-154167/2-A

Matrix: Water

Analysis Batch: 154181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	37.5		mg/L		94	81 - 107

Lab Sample ID: LCSD 280-154167/3-A

Matrix: Water

Analysis Batch: 154181

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 154167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	35.3		mg/L		88	81 - 107	6	22

Method: 9040C - pH

Lab Sample ID: LCS 280-153547/42

Matrix: Water

Analysis Batch: 153547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.010		SU		100	99 - 101

Lab Sample ID: LCSD 280-153547/43

Matrix: Water

Analysis Batch: 153547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH adj. to 25 deg C	7.00	7.010		SU		100	99 - 101	0	5

Lab Sample ID: 280-37285-2 DU

Matrix: Water

Analysis Batch: 153547

Client Sample ID: NW-02-GW

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH adj. to 25 deg C	7.00		7.000		SU		0	5

Lab Sample ID: LCS 280-154179/4

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.050		SU		101	99 - 101

Lab Sample ID: LCSD 280-154179/5

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH adj. to 25 deg C	7.00	7.050		SU		101	99 - 101	0	5

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Method: 9040C - pH (Continued)

Lab Sample ID: 280-37417-B-2 DU

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
pH adj. to 25 deg C	7.30		7.350		SU		0.7	5
Temperature	20.0		20.00		Degrees C		0	10

Method: Moisture - Percent Moisture

Lab Sample ID: 280-37358-A-1 DU

Matrix: Solid

Analysis Batch: 153758

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Percent Moisture	9.9		9.7		%		2	20
Percent Solids	90		90		%		0.2	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-153834/3

Matrix: Water

Analysis Batch: 153834

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		4.0	1.1	mg/L			12/26/12 15:40	1

Lab Sample ID: LCS 280-153834/1

Matrix: Water

Analysis Batch: 153834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: LCSD 280-153834/2

Matrix: Water

Analysis Batch: 153834

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Total Suspended Solids	100	100		mg/L		100	86 - 114	5	20

Lab Sample ID: 280-37290-D-6 DU

Matrix: Water

Analysis Batch: 153834

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Total Suspended Solids	24		23.2		mg/L		3	10

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Client Sample ID: NW-02-O

Date Collected: 12/20/12 08:40

Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-1

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.045 g	5 mL	153850	12/26/12 16:00	LMH	TAL DEN
Total/NA	Analysis	8260B		1			153854	12/27/12 02:53	LMH	TAL DEN
Total/NA	Prep	3546			30.3 g	10000 uL	153611	12/24/12 11:15	SPF	TAL DEN
Total/NA	Analysis	8081A		1			154063	12/28/12 20:50	AMP	TAL DEN
Total/NA	Prep	3546			30.0 g	10000 uL	153412	12/21/12 16:15	SHO	TAL DEN
Total/NA	Analysis	8082		1			154352	12/31/12 19:35	TDJ	TAL DEN
Total/NA	Prep	8151A			51.8 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		5			154361	01/02/13 21:01	KJH	TAL DEN
Total/NA	Prep	7471A			0.52 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:17	JM	TAL DEN
Total/NA	Prep	3050B			1.09 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 18:57	HEB	TAL DEN
Total/NA	Analysis	6010B		1			154331	12/31/12 15:25	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Client Sample ID: NW-02-GW

Date Collected: 12/20/12 11:55

Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	153993	12/28/12 12:48	TW	TAL DEN
Total/NA	Prep	3520C			1029.2 mL	1000 uL	153406	12/22/12 15:00	ACF	TAL DEN
Total/NA	Analysis	8270C		1			153874	12/27/12 15:43	MGH	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	153434	12/24/12 07:30	JA	TAL DEN
Total/NA	Analysis	6010B		1			153698	12/24/12 22:43	LT	TAL DEN
Total/NA	Prep	7470A			30 mL	30 mL	153532	12/27/12 12:00	JM	TAL DEN
Total/NA	Analysis	7470A		1			154037	12/27/12 18:20	JM	TAL DEN
Dissolved	Prep	7470A			30 mL	30 mL	154019	12/28/12 11:15	JM	TAL DEN
Dissolved	Analysis	7470A		1			154241	12/28/12 15:20	JM	TAL DEN
Dissolved	Prep	3005A			50 mL	50 mL	153635	12/28/12 12:00	RC	TAL DEN
Dissolved	Analysis	6010B		1			154339	12/31/12 20:34	HEB	TAL DEN
Total/NA	Analysis	SM 2540D		1	10 mL	250 mL	153834	12/26/12 15:40	MW	TAL DEN
Total/NA	Analysis	9040C		1			154179	12/29/12 12:16	DA	TAL DEN
Total/NA	Prep	1664A			280 mL	1000 mL	154167	12/29/12 09:20	AFB	TAL DEN
Total/NA	Analysis	1664A		1			154181	12/29/12 13:14	AFB	TAL DEN

Client Sample ID: NW-02-25

Date Collected: 12/20/12 09:33

Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3

Matrix: Solid

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.173 g	5 mL	153984	12/27/12 16:00	LMH	TAL DEN
Total/NA	Analysis	8260B		1			153976	12/28/12 05:29	LMH	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-2

Client Sample ID: NW-02-25

Date Collected: 12/20/12 09:33

Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-3

Matrix: Solid

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			32.0 g	10000 uL	153611	12/24/12 11:15	SPF	TAL DEN
Total/NA	Analysis	8081A		1			154063	12/28/12 21:08	AMP	TAL DEN
Total/NA	Prep	3546			33.1 g	10000 uL	153412	12/21/12 16:15	SHO	TAL DEN
Total/NA	Analysis	8082		1			154352	12/31/12 20:45	TDJ	TAL DEN
Total/NA	Prep	8151A			51.2 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		1			154361	01/02/13 21:24	KJH	TAL DEN
Total/NA	Prep	7471A			0.69 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:24	JM	TAL DEN
Total/NA	Prep	3050B			1.19 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:17	HEB	TAL DEN
Total/NA	Analysis	6010B		1			154331	12/31/12 14:57	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Client Sample ID: NW-02-37

Date Collected: 12/20/12 10:04

Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-4

Matrix: Solid

Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.023 g	5 mL	153984	12/27/12 16:00	LMH	TAL DEN
Total/NA	Analysis	8260B		1			153976	12/28/12 06:26	LMH	TAL DEN
Total/NA	Prep	3546			31.0 g	10000 uL	153611	12/24/12 11:15	SPF	TAL DEN
Total/NA	Analysis	8081A		1			154063	12/28/12 21:25	AMP	TAL DEN
Total/NA	Prep	3546			30.6 g	10000 uL	153412	12/21/12 16:15	SHO	TAL DEN
Total/NA	Analysis	8082		1			154352	12/31/12 21:08	TDJ	TAL DEN
Total/NA	Prep	8151A			51.5 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		1			154361	01/02/13 21:46	KJH	TAL DEN
Total/NA	Prep	7471A			0.53 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:27	JM	TAL DEN
Total/NA	Prep	3050B			1.05 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:20	HEB	TAL DEN
Total/NA	Analysis	6010B		1			154331	12/31/12 15:00	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Report for:

Donna Rydberg
TestAmerica-Denver
4955 Yarrow Street
Arvada, CO 80002

Regarding: Project: 280-37285-1
 EML ID: 1008551

Approved by:

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 12-28-2012

Technical Manager
Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



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EMLab P&K

3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626
(866) 465-6653 Fax (858) 569-5806 www.emlab.com

Client: TestAmerica-Denver
C/O: Donna Rydberg
Re: 280-37285-1

Date of Sampling: 12-20-2012
Date of Receipt: 12-26-2012
Date of Report: 12-28-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 1
Total Samples Analysed: 1
Total Samples with Layer Asbestos Content > 1%: 0

Location: NW-02-O (280-37285-1)

Lab ID-Version‡: 4508740-1

Sample Layers	Asbestos Content
Gray Soil	ND
Sample Composite Homogeneity:	Moderate

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

4955 Yarrow Street
Arvada, CO 80002
Phone (303) 796-0100 Fax (303) 431-7171

Chain of Custody Record

Client Information (Sub Contract Lab)

Client Contact: **Shippin/Receiving**
Company: **EM 31 P&G**
Address: **3595 Cardiac Ave, Suite A, Costa Mesa, CA 92626**
City: **Costa Mesa**
State, Zip: **CA, 92626**
Phone: **714-440-1100**
Email: **em31@em31.com**
Project Name: **US-6 21-25**
Site: **SSDWR**

Sampler: **Rydberg, Doree R**
Phone: **408-292-4400**
Email: **doree.rydberg@stamark.com**

Due Date Requested: **1/22/2013**
TAT Requested (days): **7**

PO #: **12009391**
WFO #: **12009391**
Project #: **28009391**

Analysis Requested
SUBCONTRACT - Asbestos (PLM)
001008551

Special Instructions/Notes:
A-HCl
B-NaOH
C-Zn Acetate
D-Nitric Acid
E-NH4OH
F-MeOH
G-Amorphous
H-Ascorbic Acid
I-Ice
J-DI Water
K-EDTA
L-SDA
M-Hexane
N-Hexane
O-AsH3
P-NaOH
Q-Na2SO4
R-Na2S2O5
S-HE3O4
T-TSP Dose/Response
U-Acetone
V-IACAA
W-pH 4-5
Z-dilute (as req'd)
Other:

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (Grain)	Matrix (Wet, Brown, Orange, Yellow, Ash)	Analysis Requested	Special Instructions/Notes
NW-02-Q (2800-37285-1)	12/20/12	08:40	Solid	Solid	X	

Possible Hazard Identification
Deliverable Requested: I, II, III, IV, Other (specify) _____
Unconfirmed _____

Chain of Custody

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Storage: _____

Relinquished by: *[Signature]* Date/TIME: *12/12/12 1800* Company: *TH* Received by: *[Signature]* Date/TIME: *12/12/12 1800* Company: *TA/CM*

Relinquished by: *[Signature]* Date/TIME: _____ Company: _____ Received by: *[Signature]* Date/TIME: *12-04-12 0800* Company: *EM 31 P&G*

Custody Seal Intact: A Yes No Custody Seal No.: _____ Cooler Temperature (°C) and Other Remarks: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client
 Disposal By Lab
 Archive For _____ Months
 Special Instructions/QC Requirements: _____

Page: 1 of 1
Page 1 of 1

COC No: **280-165969.1**
Date: **1/22/2013**

Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37285-2

Login Number: 37285

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	N/A	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Chain of Custody Record

TAL-4124-280 (0508)

Client: **RMC Consultants, Inc**
 Address: **12285 W 48th Ave, Unit A**
 City: **Wheat Ridge** State: **CO** Zip Code: **80033**
 Project Name and Location (State): **US 6 at I-25**
 Contract/Purchase Order/Quote No.: **E12.023.154**

Project Manager: **Claude Murray** Date: **12/20/2012** Chain of Custody Number: **170749**
 Telephone Number (Area Code)/Fax Number: **303 980 4101**
 Site Contact: **Jason Kahlent** Lab Contact: **Danna Rydberg**
 Carrier/Maxbill Number: **Hand Delivered**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	HNOH		ZnAc/NaOH
NW-02-0	12/20/12	0840		X	X	4						8260 B 6010B/7470A 8270C 6010B/7470A PH/TSS O & G 5055 A/B
NW-02-GW		1155	X			5	2	3				
NW-02-25		0933		X		3						
NW-02-37		1004		X		3						
NW-02-141p	12/20/12		X			2						

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

1. Relinquished By: **Stan Muel** Date: **12/20/12** Time: **1644**
 2. Relinquished By: **[Signature]** Date: **12/20/12** Time: **1644**
 3. Relinquished By: _____ Date: _____ Time: _____

Comments: _____



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37285-3
Client Project/Site: U.S.6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/23/2013 1:57:37 PM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

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Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
QC Association	9
QC Sample Results	10
Chronicle	11
Receipt Checklists	12
Chain of Custody	13

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Job ID: 280-37285-3

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc.

Project: U.S.6 at I-25

Report Number: 280-37285-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Samples were received at the Denver laboratory on December 20, 2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler upon receipt was 3.1°C. The report is for the reanalysis performed for metals. No other tests are included.

TOTAL METALS WATER

Sample NW-02-GW (280-37285-2) was re-analyzed for total metals in accordance with EPA SW-846 Method 6010B as requested by the client. The original 6010B results for this sample and re-analysis results are listed below. All results were comparable with the exception of the Cadmium which was quite a bit lower on the second analysis. It was noted that there was quite a bit of sediment in the sample container.

<u>Element</u>	<u>Original results</u>	<u>Re-analysis results</u>
Arsenic	27	27
Barium	650	620
Cadmium	8.4	1.6
Chromium	77	67
Lead	54	52
Selenium	11	11
Silver	ND	ND

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Client Sample ID: NW-02-GW

Lab Sample ID: 280-37285-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	27		15	4.4	ug/L	1		6010B	Total/NA
Barium	620		10	0.58	ug/L	1		6010B	Total/NA
Cadmium	1.6	J	5.0	0.45	ug/L	1		6010B	Total/NA
Chromium	67		10	0.66	ug/L	1		6010B	Total/NA
Lead	52		9.0	2.6	ug/L	1		6010B	Total/NA
Selenium	11	J	15	4.9	ug/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Method Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL DEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-37285-2	NW-02-GW	Water	12/20/12 11:55	12/20/12 16:44

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Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Method: 6010B - Metals (ICP)

Client Sample ID: NW-02-GW
Date Collected: 12/20/12 11:55
Date Received: 12/20/12 16:44

Lab Sample ID: 280-37285-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		15	4.4	ug/L		01/22/13 13:00	01/23/13 07:41	1
Barium	620		10	0.58	ug/L		01/22/13 13:00	01/23/13 07:41	1
Cadmium	1.6	J	5.0	0.45	ug/L		01/22/13 13:00	01/23/13 07:41	1
Chromium	67		10	0.66	ug/L		01/22/13 13:00	01/23/13 07:41	1
Lead	52		9.0	2.6	ug/L		01/22/13 13:00	01/23/13 07:41	1
Selenium	11	J	15	4.9	ug/L		01/22/13 13:00	01/23/13 07:41	1
Silver	ND		10	0.93	ug/L		01/22/13 13:00	01/23/13 07:41	1

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Metals

Prep Batch: 156395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	3010A	
280-37930-C-11-B MS	Matrix Spike	Total/NA	Water	3010A	
280-37930-C-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 280-156395/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 280-156395/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 156801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-2	NW-02-GW	Total/NA	Water	6010B	156395
280-37930-C-11-B MS	Matrix Spike	Total/NA	Water	6010B	156395
280-37930-C-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	156395
LCS 280-156395/2-A	Lab Control Sample	Total/NA	Water	6010B	156395
MB 280-156395/1-A	Method Blank	Total/NA	Water	6010B	156395

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-156395/1-A
Matrix: Water
Analysis Batch: 156801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		01/22/13 13:00	01/23/13 07:08	1
Barium	ND		10	0.58	ug/L		01/22/13 13:00	01/23/13 07:08	1
Cadmium	ND		5.0	0.45	ug/L		01/22/13 13:00	01/23/13 07:08	1
Chromium	ND		10	0.66	ug/L		01/22/13 13:00	01/23/13 07:08	1
Lead	ND		9.0	2.6	ug/L		01/22/13 13:00	01/23/13 07:08	1
Selenium	ND		15	4.9	ug/L		01/22/13 13:00	01/23/13 07:08	1
Silver	ND		10	0.93	ug/L		01/22/13 13:00	01/23/13 07:08	1

Lab Sample ID: LCS 280-156395/2-A
Matrix: Water
Analysis Batch: 156801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1050		ug/L		105	88 - 110
Barium	2000	1990		ug/L		100	90 - 112
Cadmium	100	100		ug/L		100	88 - 111
Chromium	200	202		ug/L		101	90 - 113
Lead	500	495		ug/L		99	89 - 110
Selenium	2000	2000		ug/L		100	85 - 112
Silver	50.0	46.8		ug/L		94	86 - 115

Lab Sample ID: 280-37930-C-11-B MS
Matrix: Water
Analysis Batch: 156801

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 156395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1000	1080		ug/L		108	84 - 124
Barium	25		2000	2100		ug/L		104	85 - 120
Cadmium	ND		100	103		ug/L		103	82 - 119
Chromium	1.6	J	200	207		ug/L		103	73 - 135
Lead	ND		500	498		ug/L		100	89 - 121
Selenium	ND		2000	2050		ug/L		103	71 - 140
Silver	ND		50.0	48.4		ug/L		97	75 - 141

Lab Sample ID: 280-37930-C-11-C MSD
Matrix: Water
Analysis Batch: 156801

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 156395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1000	1090		ug/L		109	84 - 124	1	20
Barium	25		2000	2130		ug/L		105	85 - 120	2	20
Cadmium	ND		100	104		ug/L		104	82 - 119	1	20
Chromium	1.6	J	200	210		ug/L		104	73 - 135	1	20
Lead	ND		500	502		ug/L		100	89 - 121	1	20
Selenium	ND		2000	2070		ug/L		103	71 - 140	1	20
Silver	ND		50.0	49.6		ug/L		99	75 - 141	2	20

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37285-3

Client Sample ID: NW-02-GW

Lab Sample ID: 280-37285-2

Date Collected: 12/20/12 11:55

Matrix: Water

Date Received: 12/20/12 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	156395	01/22/13 13:00	JA	TAL DEN
Total/NA	Analysis	6010B		1			156801	01/23/13 07:41	JKH	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37285-3

Login Number: 37285

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	N/A	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID JK
 Temperature on Receipt 31
 Drinking Water? Yes No

Chain of Custody Record

TAL-4124-280 (0508)

Client: **RMC Consultants, Inc**
 Address: **12285 W 48th Ave, Unit A**
 City: **Wheat Ridge** State: **CO** Zip Code: **80033**
 Project Name and Location (State): **US 6 at I-25**
 Contract/Purchase Order/Quote No.: **E12.023.154**

Project Manager: **Claude Murray** Date: **12/20/2012**
 Telephone Number (Area Code)/Fax Number: **303 980 4101**
 Site Contact: **Jason Kahler** Lab Contact: **Danna Rydberg**
 Carrier/Maxbill Number: **Hand Delivered**

Chain of Custody Number: **170749**
 Page **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	
NW-02-0	12/20/12	0840			X	4							8260 B 6010B/7470A 8270C 6010B/7470A PH/TSS O45 5055 A/B	
NW-02-61W		1155	X			5								
NW-02-25		0933			X	3								
NW-02-37		1004			X	3								
NW-02-141P	12/20/12		X			2								

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months _____ Months _____ Months
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

1. Relinquished By: **Stan M...** Date: **12/20/12** Time: **1644**
 Received By: **[Signature]** Date: **12/20/12** Time: **1644**

2. Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

3. Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

Comments: _____



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37307-1
Client Project/Site: US 6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/22/2013 8:48:36 AM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

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results through
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Have a Question?



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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-1

Job ID: 280-37307-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc.

Project: US 6 at I-25

Report Number: 280-37307-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received at TestAmerica Denver on December 21, 2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.7°C.

The sample requiring Gross A/B was subbed to the TestAmerica Richland laboratory at 2800 George Washington Way, Richland WA 99352 for analysis. The sample results will be found in this report. All other samples were logged under a separate job and will not be found in this report.

Analytical Data Package Prepared For

TestAmerica Denver

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains 17 Pages

Report No.: 54259

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
46236		SE-01-GW(280-37307-4)	J2L280426-1	MXQR91AC	9MXQR910	3002045
		SE-01-GW(280-37307-4)	J2L280426-1	MXQR91AA	9MXQR910	3002047

Certificate of Analysis

January 15, 2013

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002

Attention: Donna Rydberg

Date Received by Lab	:	December 26, 2012
Sample Number/Matrix	:	One (1) Water
SDG Number	:	46236
Project	:	RMC Consultants / US 6 at I-25
Project Number	:	280-37307-1

CASE NARRATIVE

I. Introduction

On December 26, 2012, one water sample was received at the TestAmerica Richland laboratory for radiochemical analysis. Upon receipt, the sample was assigned the TestAmerica identification number as described on the cover page of the Analytical Data Package. The sample was assigned to Lot Number J2L280426.

II. Sample Receipt

The sample was received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analyses requested were:

Gas Proportional Counting
Gross Alpha by method RL-GPC-001
Gross Beta by method RL-GPC-001

IV. Quality Control

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

V. Comments

Gas Proportional Counting

Gross Alpha by method RL-GPC-001:

The achieved MDA for sample exceeds the CRDL due to the reduced aliquot size based on weight screens. The sample was counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

Gross Beta by method RL-GPC-001:

The achieved MDA for sample exceeds the CRDL due to the reduced aliquot size based on weight screens. The sample was counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

I certify that this Certificate of Analysis is in compliance with the SOW and/or NELAC, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Erika Jordan

Erika Jordan 2013.01.18

14:34:27 -08'00'

Erika Jordan
Customer Service Manager

Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D5174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, $R = \text{constants} * f(x,y,z,...)$. The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/\sqrt{n}), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation $(\text{Result}/\text{Expected})-1$ as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) u_c Combined Uncertainty	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, u_c the combined uncertainty. The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \text{Sqrt}(2 * (\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin})) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \text{Sqrt}((\text{BkgndCnt}/\text{BkgndCntMin})/\text{SCntMin}) + 2.71/\text{SCntMin}) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the Work Order Number.
RER	The equation Replicate Error Ratio = $(S-D)/[\text{sqrt}(\text{TPUs}^2 + \text{TPUD}^2)]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUD is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Sample Results Summary

Date: 15-Jan-13

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 54259

SDG No: 46237

Batch	Client Id Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
3002045	RL-GPC-001								
	NW-02-GW(280-37285-2) DUP								
	MXQTD1AD ALPHA		138.0 +- 42.0		pCi/L	100%	24.4	3.0	0.7
	SE-01-GW(280-37307-4)								
	MXQR91AC ALPHA		22.2 +- 9.8		pCi/L	100%	11.1	3.0	
3002047	RL-GPC-001								
	231892-122012(280-37267-1) DUP								
	MXQRX1AD BETA		5.11 +- 3.1	U	pCi/L	100%	5.26	4.0	0.3
	SE-01-GW(280-37307-4)								
	MXQR91AA BETA		25.0 +- 6.2		pCi/L	100%	7.64	4.0	
No. of Results: 4									

TestAmerica

RER2 - Replicate Error Ratio = $(S-D)/[\text{sqrt}(\text{sq}(\text{TPUs})+\text{sq}(\text{TPUd}))]$ as defined by ICPT BOA,

rptSTLRchSaSummary2 V5.2.23
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U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

QC Results Summary
TestAmerica TARL
 Ordered by Method, Batch No, QC Type,.

Date: 15-Jan-13

Report No. : 54259

SDG No.: 46240

Batch Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
RL-GPC-001								
3002045 BLANK QC, MXQ7A1AA	ALPHA	0.570 +/- 0.44	U	pCi/L	100%			0.652
3002045 LCS, MXQ7A1AC	ALPHA	37.5 +/- 8.6		pCi/L	100%	92%	-0.1	0.754
3002045 MATRIX SPIKE, SE-01-GW(280-37307-4) MXQR91AD	ALPHA	311.0 +/- 82.0		pCi/L	100%	101%	0.0	11.3
RL-GPC-001								
3002047 MATRIX SPIKE, 227284-122012(280-37267-2) MXQR31AD	BETA	283.0 +/- 38.0		pCi/L	100%	98%	0.0	4.98
3002047 BLANK QC, MXQ7D1AA	BETA	1.09 +/- 1.0	U	pCi/L	100%			1.79
3002047 LCS, MXQ7D1AC	BETA	40.7 +/- 5.7		pCi/L	100%	100%	0.0	1.84
No. of Results: 6								

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Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

FORM I

Date: 15-Jan-13

SAMPLE RESULTS

Lab Name: TestAmerica **SDG:** 46236 **Collection Date:** 12/20/2012 11:00:00 PM **Primary Detector**
Lot-Sample No.: J2L280426-1 **Report No.:** 54259 **Received Date:** 12/26/2012 11:00:00 AM **Size**
Client Sample ID: SE-01-GW(280-37307-4) **COC No.:** 280-165551.1 **Matrix:** WATER **Total Sa Size**
 Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	RstfMDL, RstfTotUcert	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 3002045	RL-GPC-001		8.4	9.8	11.1	pCi/L	100%	(2.)	1/7/13 01:33 p	0.0261	GPC21C
	ALPHA						3.0	(4.5)		L	
Work Order:	MXQR91AC										
Report DB ID:	9MXQR910										
Batch: 3002047	RL-GPC-001		5.2	6.2	7.64	pCi/L	100%	(3.3)	1/7/13 01:14 p	0.0534	GPC28B
	BETA						4.0	(8.1)		L	
Work Order:	MXQR91AA										
Report DB ID:	9MXQR910										

No. of Results: 2 Comments:

NestAmerica MDC(MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdi, Total Uncert, CRDL, RDL or not identified by gamma scan software.



FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280423-1
 Client Sample ID: 231892-122012(280-37267-1) DUP
 SDG: 46235
 Report No.: 54259
 COC No.: 280-165322.1
 Collection Date: 12/20/2012 10:30:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002047	RL-GPC-001								Orig Sa DB ID: 9MXQRX10			
BETA	5.11	U	3.1	3.1	5.26	pCi/L	100%	0.97	1/7/13 01:14 p		0.0751	GPC26B
	5.85		RER 0.3			4.0	(3.3)				L	

No. of Results: 1 Comments:

TestAmerica RER2 - Replicates Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
 CpStLRchDupV5. MDC(MDA,Le - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.
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FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280427-1
 Client Sample ID: NW-02-GW(280-37285-2) DUP
 SDG: 46237
 Report No.: 54259
 COC No.: 280-165358.1
 Collection Date: 12/20/2012 11:55:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002045	RL-GPC-001								Orig Sa DB ID: 9MXQTD10			
ALPHA	138.0		27.0	42.0	24.4	pCi/L	100%	(5.7)	1/7/13 01:33 p		0.0126	GPC22C
	159.0		RER2 0.7			3.0		(6.6)			L	

No. of Results: 1 Comments:



FORM II

Date: 15-Jan-13

BLANK RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54259

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Work Order: MXQ7A1AA Report DB ID: MXQ7A1AB												
Batch: 3002045	RL-GPC-001		0.42	0.44	0.652	pCi/L	100%	0.87	1/7/13 01:33 p		0.1988	GPC23B
ALPHA	0.570	U			0.287	3.0		(2.6)			L	
Work Order: MXQ7D1AA Report DB ID: MXQ7D1AB												
Batch: 3002047	RL-GPC-001		1.0	1.0	1.79	pCi/L	100%	0.61	1/7/13 04:55 p		0.1988	GPC26B
BETA	1.09	U			0.861	4.0		(2.1)			L	

No. of Results: 2 Comments:

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

TestAmerica
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FORM II

Date: 15-Jan-13

LCS RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54259

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 3002045 RL-GPC-001 Work Order: MXG7A1AC Report DB ID: MXG7A1CS													
ALPHA	37.5		2.1	8.6	0.754	pCi/L	100%	40.6	0.42	92%	1/7/13 01:33 p	0.2002	GPC23C
Rec Limits: 70 130 -0.1													
Batch: 3002047 RL-GPC-001 Work Order: MXG7D1AC Report DB ID: MXG7D1CS													
BETA	40.7		2.3	5.7	1.84	pCi/L	100%	40.8	1.6	100%	1/7/13 04:55 p	0.2007	GPC26C
Rec Limits: 70 130 0.0													

No. of Results: 2 Comments:

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.

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FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46235 Matrix: WATER
 Lot-Sample No.: J2L280423-2, 227284-122012(280-37267-2) Report No.: 54259

Parameter	SpikeResult, Orig Rst	Count Error (2 s)	Total Uncert(2 s)	MDC MDA	Rpt Unit, CRDL	Yield	Rec-covery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002047											
BETA	283.0	9.4	38.0	4.98	pCi/L	100%	98.33%	288.0	1/7/13 01:14 p	0.078	RL-GPC-001
	3.71							11.0		L	GPC26D

Number of Results: 1

Comments:

TestAmerica RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA
 Bias - (Result/Expected)-1 as defined by ANSI N13.30.

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FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46236
 Lot-Sample No.: J2L280426-1, SE-01-GW(280-37307-4) Report No.: 54259 Matrix: WATER

Parameter	Spike Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC(MDA	Rpt Unit, CRDL	Yield	Rec-covery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002045	Work Order: MXQR91AD		23.0	82.0	11.3	pCi/L	100%	101.47%	306.0	1/7/13 01:33 p	0.0265	RL-GPC-001
ALPHA	311.0		22.2						3.2		L	GPC22A

Number of Results: 1

Comments:

TestAmerica RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPuD))] as defined by ICPT BOA
 Bias -(Result/Expected)-1 as defined by ANSI N13.30.
 Opf\$TLRchMs
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TestAmerica Denver
 4955 Yarrow Street
 Avada, CO 80002
 Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab) Client Contact: <u>Shelley</u> Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 2800 George Washington Way, City: Richland State, Zip: WA, 99352 Phone: 509-375-3131 (Tel) 509-375-5990 (Fax) Email: Project Name: US 6 at 1-25 Site:		Lab POC: Rydberg, Donna R E-Mail: donna.rydberg@testamericainc.com Phone:		Carrier Tracking No(s): COC No: 280-166551.1 Page: Page 1 of 1 Job #: 280-37307-1	
Due Date Requested: 1/17/2013 TAT Requested (days): PO #: WO #: Project #: 28009391 SSONW#:		Analysis Requested Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Diphosphate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)			
Sample Identification - Client ID (Lab ID) SE-01 - GW (280-37307-4)		Gross Alpha/Beta X			
Sample Date: 12/20/12 Sample Time: 23:00 Mountain Matrix (W=water, S=solid, C=water/soil, G=grab, etc.): Sample Type (C=comp, G=grab): Matrix: Water Sample Type:		Special Instructions/Note: MXQ89			
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: <u>Shelley</u> Relinquished by: <u>Shelley</u> Relinquished by: Relinquished by:		Method of Shipment Received by: <u>Shelley</u> Company: <u>TA</u> Date/Time: <u>12/24/12 10:00</u> Received by: <u>Nezquez</u> Company: <u>TA</u> Date/Time: <u>when received on 12-20-12 16:12-12</u> Received by:			
Custody Seals Intact: <u>Yes</u> Yes No C: Yes No S: Yes No T: Yes No U: Yes No V: Yes No W: Yes No Z: Yes No		Cooler Temperature(s) °C and Other Remarks:			

Sample Check-in List

Date/Time Received: 12-26-12 / 1100 GM Screen Result: (Airlock) .03 Initials [B]
(Sample Receiving) .05 Initials [B]

Client: STLD SDG #: 46236 NA [] SAF #: NA [B]

Lot Number: JAL250426

Chain of Custody # 280-115551.1

Shipping Container ID: NA [B]

Samples received inside shipping container/cooler/box Yes [B]] Continue with 1 through 4. Initial appropriate response.

No []] Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes [B]] No []] No Custody Seal []]
- 2. Custody Seals dated and signed? Yes [B]] No []] No Custody Seal []]
- 3. Cooler temperature: _____ °C NA [B]]
- 4. Vermiculite/packing materials is NA []] Wet []] Dry [B]]

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes [B]] No []]
- 6. Number of samples received (Each sample may contain multiple bottles): 1
- 7. Containers received: 1 x LP

8. Sample holding times exceeded? NA []] Yes []] No [B]]

9. Samples have:
 _____ tape [B] hazard labels
 _____ custody seals [B] appropriate sample labels

10. Matrix:
 _____ A (FLT, Wipe, Solid, Soil) [B] I (Water)
 _____ S (Air, Niosh 7400) _____ T (Biological, Ni-63)

11. Samples:
[B] are in good condition _____ are leaking
 _____ are broken _____ have air bubbles (Only for samples requiring no head space)
 _____ Other _____

12. Sample pH appropriate for analysis requested Yes [B]] No []] NA []]
 (If acidification is necessary, then document sample ID, initial pH, amount of HNO₃ added and pH after addition on table overleaf)

RPL ID # of preservative used: N/A

13. Were any anomalies identified in sample receipt? Yes []] No [B]]

14. Description of anomalies (include sample numbers): NA [B]

15. Sample Location, Sample Collector Listed on COC? * Yes No
*For documentation only. No corrective action needed.

16. Additional Information: N/A

Client/Courier denied temperature check. Client/Courier unpack cooler.

Sample Custodian: Juan Beck Date: 12-27-12

Client Informed on _____ by _____ Person contacted _____

No action necessary; process as is
Project Manager Eunhe Oad Date 1/2/13

SAMPLE ID	Initial pH	Acid Amt	Final pH	SAMPLE ID	Initial pH	Acid Amt	Final pH																																																																																																																
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Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37307-1

Login Number: 37307

List Number: 1

Creator: Underwood, Tim

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0608)

Sampler ID JM
Temperature on Receipt 4.7i IPT
Drinking Water? Yes No

Client: **RMC CONSULTANTS, INC** Project Manager: **CLAUDE RAY MURRAY** Date: **12/21/12** Chain of Custody Number: **170756**
 Address: **12295 W. 48th Ave.** Telephone Number (Area Code)/Fax Number: **(303) 980 4101** Lab Number: **170756** Page **1** of **1**
 City: **Wheat Ridge** State: **CO** Zip Code: **80033** Lab Contact: **DONNA RYBERG** Analysis List (see page 1)
 Project Name and Location (State): **US6 I-25** Carrier/Waybill Number: **8082**
 Contract/Purchase Order/Quote No. **US6 I-25**

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives																		
			Air	soil	sed.	snosub	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH													
SE-01 - (0-2)	12-20-12	2020		<input checked="" type="checkbox"/>					4																
SE-01 - (24-26)	12-20-12	2108			<input checked="" type="checkbox"/>				3																
SE-01 - (34-36)	12-20-12	2125			<input checked="" type="checkbox"/>				3																
SE-01 - 6W	12-20-12	2300				<input checked="" type="checkbox"/>			3																

Possible Hazard Identification:
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)
 Turn Around Time Required:
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **STD**
 1. Relinquished By: Steph McPherson Date: 12/21/12 Time: 1412
 2. Relinquished By: Steph McPherson Date: 12/21/12 Time: 1412
 3. Relinquished By: _____ Date: _____ Time: _____

Comments



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37307-2
Client Project/Site: US 6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/8/2013 1:28:18 PM

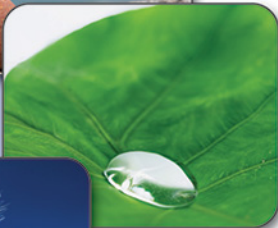
Jamie Ide
Project Mgmt. Assistant
jamie.ide@testamericainc.com

Designee for
Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



LINKS

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results through
TotalAccess

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www.testamericainc.com

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	7
Detection Summary	8
Method Summary	9
Sample Summary	10
Client Sample Results	11
QC Sample Results	24
QC Association	47
Chronicle	52
Subcontract Data	54
Chain of Custody	57
Receipt Checklists	58

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Job ID: 280-37307-2

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc

Project: US 6 at I-25

Report Number: 280-37307-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received at TestAmerica Denver on December 21, 2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.7°C.

The sample requiring Gross A/B was subbed to the TestAmerica Richland laboratory at 2800 George Washington Way, Richland WA 99352 for analysis. This sample was logged and will be reported under a separate job (280-37307-1). Data will not be found in this report.

The report for the Asbestos sample will be found at the back of this report.

VOLATILE ORGANIC COMPOUNDS (GC-MS) SOIL

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Acetone and Bromoform were detected in method blank MB 280-153850/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

No other difficulties were encountered during the VOC analyses.

VOLATILE ORGANIC COMPOUNDS (GC-MS) WATER

Sample SE-01 - GW (280-37307-4) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Methylene Chloride was detected in method blank MB 280-153993/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Job ID: 280-37307-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

No other difficulties were encountered during the volatiles analysis.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample SE-01 - GW (280-37307-4) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS and LCSD provide evidence of batch precision and accuracy.

No difficulties were encountered during the SVOC analysis.

ORGANOCHLORINE PESTICIDES

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A.

The following samples were diluted due to the nature of the sample matrix: SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2), SE-01 - (34-36) (280-37307-3). Elevated reporting limits (RLs) are provided. As a result the surrogate and MS/MSD recoveries were diluted out.

The MS and MSD samples associated with batch 280-153611, and performed on client sample SE-01 - (0-2) (280-37307-1) were analyzed at a dilution due to the sample matrix; causing spike recoveries to be outside control limits for some compounds. The associated LCS was in control and provides evidence that operating procedures were in control.

No other difficulties were encountered during the pesticides analyses.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082.

The surrogate Decachlorobiphenyl recovered outside of control limits for the following samples: SE-01 - (0-2) (280-37307-1), SE-01 - (34-36) (280-37307-3), SE-01 - (0-2)MS (280-37307-1MS), SE-01 - (0-2)MSD (280-37307-1MSD). Matrix interference is evident. The associated MB and LCS were within control limits, and the surrogate Tetrachloro-m-xylene was in control indicating a successful extraction. Therefore; re-extraction and reanalysis were not performed.

The MS and MSD samples associated with batch 280-153611, and performed on client sample SE-01 - (0-2) (280-37307-1) demonstrated spike recoveries outside control limits for PCB 1260, matrix interference is evident. The associated LCS was in control and provides evidence that operating procedures were in control.

No other difficulties were encountered during the PCBs analyses.

CHLORINATED HERBICIDES

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A.

Sample SE-01 - (0-2) (280-37307-1) was analyzed at a dilution to protect the integrity of the instrument due to the nature of the sample matrix (the extract was dark yellow/brown in color). The reporting limits were raised accordingly.

The surrogate recovery method blank MB 280-153862/1-A was outside control limits biased high. There were no target analytes detected in the method blank. Therefore, data was not compromised. Also all associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

The laboratory control sample (LCS) for prep batch 280-154361 exceeded control limits for the following analyte: 2,4-D. This analyte is biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Data was flagged accordingly.

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Job ID: 280-37307-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

The continuing calibration verification (CCV) for 2,4,5-T and Dinoseb associated with analytical batch 280-154361 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The MS and MSD spike recoveries for Dinoseb failed the recovery criteria low in batch 280-154361, performed on client sample SE-01 - (0-2) (280-37307-1). The associated LCS was in control and demonstrates that operating procedures were within control limits.

No other difficulties were encountered during the herbicides analyses.

TOTAL METALS - SOILS

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for total metals in accordance with EPA SW-846 Method 6010B.

Sample SE-01 - (34-36) (280-37307-3)[5X] required dilution prior to analysis due to matrix interference. The reporting limits have been adjusted accordingly.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

No other difficulties were encountered during the metals analyses.

TOTAL METALS - WATER

Sample SE-01 - GW (280-37307-4) was analyzed for total metals in accordance with EPA SW-846 Method 6010B.

Barium was detected in method blank MB 280-153751/1-A at a level exceeding the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the metals analysis.

DISSOLVED METALS

Sample SE-01 - GW (280-37307-4) was analyzed for dissolved metals in accordance with EPA SW-846 Method 6010B.

Selenium was detected in method blank MB 280-153635/1-A at a level exceeding the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No difficulties were encountered during the dissolved metals analysis.

DISSOLVED MERCURY - WATER

Sample SE-01 - GW (280-37307-4) was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

No difficulties were encountered during the dissolved mercury analysis.

TOTAL MERCURY - WATER

Sample SE-01 - GW (280-37307-4) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A.

Mercury was detected in method blank MB 280-153532/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Job ID: 280-37307-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

No other difficulties were encountered during the mercury analysis.

TOTAL MERCURY - SOIL

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS provides evidence of batch precision and accuracy.

No other difficulties were encountered during the mercury analyses.

OIL AND GREASE (HEM)

Sample SE-01 - GW (280-37307-4) was analyzed for oil and grease (HEM) in accordance with EPA Method 1664A.

Matrix spike samples were not requested and they were not performed due to insufficient sample volume. The acceptable LCS/LCSD provides evidence of batch precision and accuracy.

No difficulties were encountered during the oil and grease analysis.

PERCENT SOLIDS

Samples SE-01 - (0-2) (280-37307-1), SE-01 - (24-26) (280-37307-2) and SE-01 - (34-36) (280-37307-3) were analyzed for percent solids in accordance with EPA SW846 3550C.

No difficulties were encountered during the % solids analyses.



Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Client Sample ID: SE-01 - (0-2)

Lab Sample ID: 280-37307-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.1	J B	20	5.5	ug/Kg	1	☼	8260B	Total/NA
Bromoform	0.30	J B	5.1	0.23	ug/Kg	1	☼	8260B	Total/NA
Arsenic	2200		1900	630	ug/Kg	1	☼	6010B	Total/NA
Barium	50000		960	73	ug/Kg	1	☼	6010B	Total/NA
Cadmium	100	J	480	39	ug/Kg	1	☼	6010B	Total/NA
Chromium	11000		1400	56	ug/Kg	1	☼	6010B	Total/NA
Lead	13000		770	260	ug/Kg	1	☼	6010B	Total/NA
Mercury	17		16	5.2	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: SE-01 - (24-26)

Lab Sample ID: 280-37307-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J B	24	6.4	ug/Kg	1	☼	8260B	Total/NA
Bromoform	0.27	J B	5.9	0.27	ug/Kg	1	☼	8260B	Total/NA
Arsenic	3100		2100	700	ug/Kg	1	☼	6010B	Total/NA
Barium	400000		1100	80	ug/Kg	1	☼	6010B	Total/NA
Cadmium	280	J	530	43	ug/Kg	1	☼	6010B	Total/NA
Chromium	13000		1600	61	ug/Kg	1	☼	6010B	Total/NA
Lead	11000		850	290	ug/Kg	1	☼	6010B	Total/NA
Selenium	950	J	1400	910	ug/Kg	1	☼	6010B	Total/NA
Mercury	17	J	19	6.1	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: SE-01 - (34-36)

Lab Sample ID: 280-37307-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	36		24	6.6	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	4.9	J	24	2.2	ug/Kg	1	☼	8260B	Total/NA
Carbon disulfide	1.3	J	6.1	0.51	ug/Kg	1	☼	8260B	Total/NA
Arsenic	5300	J	12000	3800	ug/Kg	5	☼	6010B	Total/NA
Barium	230000		5800	440	ug/Kg	5	☼	6010B	Total/NA
Cadmium	180	J	580	48	ug/Kg	1	☼	6010B	Total/NA
Chromium	17000		1700	67	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		930	310	ug/Kg	1	☼	6010B	Total/NA
Mercury	11	J	27	8.8	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: SE-01 - GW

Lab Sample ID: 280-37307-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.53	J	1.0	0.16	ug/L	1		8260B	Total/NA
Barium	250	B	10	0.58	ug/L	1		6010B	Total/NA
Cadmium	0.99	J	5.0	0.45	ug/L	1		6010B	Total/NA
Chromium	7.9	J	10	0.66	ug/L	1		6010B	Total/NA
Lead	12		9.0	2.6	ug/L	1		6010B	Total/NA
Selenium	11	J	15	4.9	ug/L	1		6010B	Total/NA
Barium	170		10	0.58	ug/L	1		6010B	Dissolved
Cadmium	0.48	J	5.0	0.45	ug/L	1		6010B	Dissolved
Selenium	11	J B	15	4.9	ug/L	1		6010B	Dissolved
Mercury	0.057	J B	0.20	0.027	ug/L	1		7470A	Total/NA
HEM (Oil & Grease)	1.8		5.6	1.5	mg/L	1		1664A	Total/NA

TestAmerica Denver

Method Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
7471A	Mercury (CVAA)	SW846	TAL DEN
1664A	Oil & Grease (HEM)	EPA	TAL DEN
Moisture	Percent Moisture	EPA	TAL DEN
Local Method	General Sub Contract Method	NONE	EMLab-OC

Protocol References:

EPA = US Environmental Protection Agency

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-37307-1	SE-01 - (0-2)	Solid	12/20/12 20:20	12/21/12 14:12
280-37307-2	SE-01 - (24-26)	Solid	12/20/12 21:08	12/21/12 14:12
280-37307-3	SE-01 - (34-36)	Solid	12/20/12 21:25	12/21/12 14:12
280-37307-4	SE-01 - GW	Water	12/20/12 23:00	12/21/12 14:12

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.1	J B	20	5.5	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
2-Butanone (MEK)	ND		20	1.9	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Benzene	ND		5.1	0.48	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chlorobenzene	ND		5.1	0.55	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Carbon disulfide	ND		5.1	0.43	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Carbon tetrachloride	ND		5.1	0.64	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Cyclohexane	ND		5.1	0.41	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2-Dibromo-3-Chloropropane	ND		10	0.61	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Bromomethane	ND		10	0.51	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Bromoform	0.30	J B	5.1	0.23	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chloroethane	ND		10	0.91	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chloroform	ND		10	0.30	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chlorobromomethane	ND		5.1	0.31	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Dichlorobromomethane	ND		5.1	0.22	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chlorodibromomethane	ND		5.1	0.58	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Isopropylbenzene	ND		5.1	0.60	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
2-Hexanone	ND		20	5.0	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Chloromethane	ND		10	0.79	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Dichlorodifluoromethane	ND		10	0.53	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
trans-1,2-Dichloroethene	ND		2.6	0.40	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
trans-1,3-Dichloropropene	ND		5.1	0.68	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Methylene Chloride	ND		5.1	1.6	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Methyl acetate	ND		10	2.8	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Methyl tert-butyl ether	ND		20	0.35	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.5	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Methylcyclohexane	ND		5.1	0.43	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Styrene	ND		5.1	0.64	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1,1,2-Tetrachloroethane	ND		5.1	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2,3-Trichlorobenzene	ND		5.1	0.77	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2,4-Trichlorobenzene	ND		5.1	0.75	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Toluene	ND		5.1	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1,1-Trichloroethane	ND		5.1	0.53	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1,2-Trichloroethane	ND		5.1	0.90	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Trichloroethene	ND		5.1	0.23	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.46	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Vinyl chloride	ND		5.1	1.4	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
m-Xylene & p-Xylene	ND		2.6	1.1	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
o-Xylene	ND		2.6	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Tetrachloroethene	ND		5.1	0.60	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2-Dichlorobenzene	ND		5.1	0.46	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,3-Dichlorobenzene	ND		5.1	0.49	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,4-Dichlorobenzene	ND		5.1	0.80	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
cis-1,2-Dichloroethene	ND		2.6	0.57	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
cis-1,3-Dichloropropene	ND		5.1	1.3	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1-Dichloroethane	ND		5.1	0.21	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,1-Dichloroethene	ND		5.1	0.60	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2-Dichloroethane	ND		5.1	0.71	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2-Dichloropropane	ND		5.1	0.56	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,4-Dioxane	ND		510	57	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.1	0.68	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
1,2-Dibromoethane	ND		5.1	0.53	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Trichlorofluoromethane	ND		10	1.1	ug/Kg	☼	12/26/12 16:00	12/27/12 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 140				12/26/12 16:00	12/27/12 00:37	1
Toluene-d8 (Surr)	86		80 - 126				12/26/12 16:00	12/27/12 00:37	1
4-Bromofluorobenzene (Surr)	80		76 - 127				12/26/12 16:00	12/27/12 00:37	1
Dibromofluoromethane (Surr)	101		75 - 121				12/26/12 16:00	12/27/12 00:37	1

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	J B	24	6.4	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
2-Butanone (MEK)	ND		24	2.2	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Benzene	ND		5.9	0.56	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chlorobenzene	ND		5.9	0.64	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Carbon disulfide	ND		5.9	0.50	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Carbon tetrachloride	ND		5.9	0.75	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Cyclohexane	ND		5.9	0.47	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2-Dibromo-3-Chloropropane	ND		12	0.71	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Bromomethane	ND		12	0.59	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Bromoform	0.27	J B	5.9	0.27	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chloroethane	ND		12	1.1	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chloroform	ND		12	0.34	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chlorobromomethane	ND		5.9	0.36	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Dichlorobromomethane	ND		5.9	0.26	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chlorodibromomethane	ND		5.9	0.68	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Isopropylbenzene	ND		5.9	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
2-Hexanone	ND		24	5.8	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Chloromethane	ND		12	0.91	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Dichlorodifluoromethane	ND		12	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
trans-1,2-Dichloroethene	ND		3.0	0.46	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
trans-1,3-Dichloropropene	ND		5.9	0.79	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Methylene Chloride	ND		5.9	1.9	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Methyl acetate	ND		12	3.3	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Methyl tert-butyl ether	ND		24	0.40	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		24	5.2	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Methylcyclohexane	ND		5.9	0.50	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Styrene	ND		5.9	0.75	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.72	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2,3-Trichlorobenzene	ND		5.9	0.89	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2,4-Trichlorobenzene	ND		5.9	0.86	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Toluene	ND		5.9	0.82	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1,1-Trichloroethane	ND		5.9	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1,2-Trichloroethane	ND		5.9	1.0	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Trichloroethene	ND		5.9	0.27	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1,2-Trichlorotrifluoroethane	ND		24	0.53	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Vinyl chloride	ND		5.9	1.6	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		3.0	1.2	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
o-Xylene	ND		3.0	0.72	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Tetrachloroethene	ND		5.9	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2-Dichlorobenzene	ND		5.9	0.53	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,3-Dichlorobenzene	ND		5.9	0.57	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,4-Dichlorobenzene	ND		5.9	0.92	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
cis-1,2-Dichloroethene	ND		3.0	0.66	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
cis-1,3-Dichloropropene	ND		5.9	1.5	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1-Dichloroethane	ND		5.9	0.25	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,1-Dichloroethene	ND		5.9	0.70	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2-Dichloroethane	ND		5.9	0.83	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2-Dichloropropane	ND		5.9	0.65	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,4-Dioxane	ND		590	66	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Ethylbenzene	ND		5.9	0.79	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
1,2-Dibromoethane	ND		5.9	0.62	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Trichlorofluoromethane	ND		12	1.2	ug/Kg	☼	12/26/12 16:00	12/27/12 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 140				12/26/12 16:00	12/27/12 01:00	1
Toluene-d8 (Surr)	89		80 - 126				12/26/12 16:00	12/27/12 01:00	1
4-Bromofluorobenzene (Surr)	82		76 - 127				12/26/12 16:00	12/27/12 01:00	1
Dibromofluoromethane (Surr)	108		75 - 121				12/26/12 16:00	12/27/12 01:00	1

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	36		24	6.6	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
2-Butanone (MEK)	4.9	J	24	2.2	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Benzene	ND		6.1	0.57	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chlorobenzene	ND		6.1	0.66	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Carbon disulfide	1.3	J	6.1	0.51	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Carbon tetrachloride	ND		6.1	0.77	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Cyclohexane	ND		6.1	0.49	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2-Dibromo-3-Chloropropane	ND		12	0.73	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Bromomethane	ND		12	0.61	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Bromoform	ND		6.1	0.28	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chloroethane	ND		12	1.1	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chloroform	ND		12	0.35	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chlorobromomethane	ND		6.1	0.37	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Dichlorobromomethane	ND		6.1	0.27	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chlorodibromomethane	ND		6.1	0.70	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Isopropylbenzene	ND		6.1	0.72	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
2-Hexanone	ND		24	6.0	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Chloromethane	ND		12	0.94	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Dichlorodifluoromethane	ND		12	0.64	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
trans-1,2-Dichloroethene	ND		3.1	0.48	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
trans-1,3-Dichloropropene	ND		6.1	0.82	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Methylene Chloride	ND		6.1	2.0	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Methyl acetate	ND		12	3.4	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		24	0.42	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		24	5.3	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Methylcyclohexane	ND		6.1	0.51	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Styrene	ND		6.1	0.77	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.75	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2,3-Trichlorobenzene	ND		6.1	0.92	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2,4-Trichlorobenzene	ND		6.1	0.89	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Toluene	ND		6.1	0.84	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1,1-Trichloroethane	ND		6.1	0.64	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1,2-Trichloroethane	ND		6.1	1.1	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Trichloroethene	ND		6.1	0.28	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1,2-Trichlorotrifluoroethane	ND		24	0.55	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Vinyl chloride	ND		6.1	1.6	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
m-Xylene & p-Xylene	ND		3.1	1.3	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
o-Xylene	ND		3.1	0.75	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Tetrachloroethene	ND		6.1	0.72	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2-Dichlorobenzene	ND		6.1	0.55	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,3-Dichlorobenzene	ND		6.1	0.59	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,4-Dichlorobenzene	ND		6.1	0.95	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
cis-1,2-Dichloroethene	ND		3.1	0.68	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
cis-1,3-Dichloropropene	ND		6.1	1.6	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1-Dichloroethane	ND		6.1	0.26	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,1-Dichloroethene	ND		6.1	0.72	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2-Dichloroethane	ND		6.1	0.86	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2-Dichloropropane	ND		6.1	0.67	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,4-Dioxane	ND		610	69	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Ethylbenzene	ND		6.1	0.82	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
1,2-Dibromoethane	ND		6.1	0.64	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Trichlorofluoromethane	ND		12	1.3	ug/Kg	☼	12/27/12 06:00	12/27/12 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 140				12/27/12 06:00	12/27/12 15:55	1
Toluene-d8 (Surr)	111		80 - 126				12/27/12 06:00	12/27/12 15:55	1
4-Bromofluorobenzene (Surr)	111		76 - 127				12/27/12 06:00	12/27/12 15:55	1
Dibromofluoromethane (Surr)	93		75 - 121				12/27/12 06:00	12/27/12 15:55	1

Client Sample ID: SE-01 - GW

Date Collected: 12/20/12 23:00

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			12/28/12 15:07	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			12/28/12 15:07	1
Benzene	ND		1.0	0.16	ug/L			12/28/12 15:07	1
Chlorobenzene	ND		1.0	0.17	ug/L			12/28/12 15:07	1
Carbon disulfide	ND		2.0	0.45	ug/L			12/28/12 15:07	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			12/28/12 15:07	1
Cyclohexane	ND		2.0	0.28	ug/L			12/28/12 15:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			12/28/12 15:07	1
Bromomethane	ND		2.0	0.21	ug/L			12/28/12 15:07	1
Bromoform	ND		1.0	0.19	ug/L			12/28/12 15:07	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0	0.41	ug/L			12/28/12 15:07	1
Chloroform	0.53	J	1.0	0.16	ug/L			12/28/12 15:07	1
Chlorobromomethane	ND		1.0	0.10	ug/L			12/28/12 15:07	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			12/28/12 15:07	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			12/28/12 15:07	1
Isopropylbenzene	ND		1.0	0.19	ug/L			12/28/12 15:07	1
2-Hexanone	ND		5.0	1.7	ug/L			12/28/12 15:07	1
Chloromethane	ND		2.0	0.30	ug/L			12/28/12 15:07	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			12/28/12 15:07	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 15:07	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			12/28/12 15:07	1
Methylene Chloride	ND		2.0	0.32	ug/L			12/28/12 15:07	1
Methyl acetate	ND		5.0	1.6	ug/L			12/28/12 15:07	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			12/28/12 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			12/28/12 15:07	1
Methylcyclohexane	ND		1.0	0.36	ug/L			12/28/12 15:07	1
Styrene	ND		1.0	0.17	ug/L			12/28/12 15:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/28/12 15:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 15:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 15:07	1
Toluene	ND		1.0	0.17	ug/L			12/28/12 15:07	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			12/28/12 15:07	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			12/28/12 15:07	1
Trichloroethene	ND		1.0	0.16	ug/L			12/28/12 15:07	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			12/28/12 15:07	1
Vinyl chloride	ND		1.0	0.10	ug/L			12/28/12 15:07	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			12/28/12 15:07	1
o-Xylene	ND		1.0	0.19	ug/L			12/28/12 15:07	1
Tetrachloroethene	ND		1.0	0.20	ug/L			12/28/12 15:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			12/28/12 15:07	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			12/28/12 15:07	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			12/28/12 15:07	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 15:07	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			12/28/12 15:07	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			12/28/12 15:07	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			12/28/12 15:07	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			12/28/12 15:07	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			12/28/12 15:07	1
1,4-Dioxane	ND		200	57	ug/L			12/28/12 15:07	1
Ethylbenzene	ND		1.0	0.16	ug/L			12/28/12 15:07	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			12/28/12 15:07	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			12/28/12 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 127					12/28/12 15:07	1
Toluene-d8 (Surr)	92		80 - 125					12/28/12 15:07	1
4-Bromofluorobenzene (Surr)	89		78 - 120					12/28/12 15:07	1
Dibromofluoromethane (Surr)	106		77 - 120					12/28/12 15:07	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: SE-01 - GW

Date Collected: 12/20/12 23:00

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.5	1.7	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,2,4,5-Tetrachlorobenzene	ND		9.5	1.6	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,2,4-Trichlorobenzene	ND		3.8	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,2-Dichlorobenzene	ND		3.8	0.22	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,3-Dichlorobenzene	ND		9.5	0.28	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,4-Dichlorobenzene	ND		3.8	0.30	ug/L		12/26/12 12:25	12/31/12 21:43	1
1,4-Dioxane	ND		19	1.6	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4,6-Trichlorophenol	ND		9.5	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4-Dichlorophenol	ND		9.5	0.61	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,2'-oxybis[1-chloropropane]	ND		9.5	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,3,4,6-Tetrachlorophenol	ND		47	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4,5-Trichlorophenol	ND		9.5	0.43	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4-Dimethylphenol	ND		9.5	0.55	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4-Dinitrophenol	ND		28	9.5	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,4-Dinitrotoluene	ND		9.5	1.6	ug/L		12/26/12 12:25	12/31/12 21:43	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Chloronaphthalene	ND		3.8	0.25	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Chlorophenol	ND		9.5	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Methylnaphthalene	ND		3.8	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Methylphenol	ND		9.5	0.93	ug/L		12/26/12 12:25	12/31/12 21:43	1
3 & 4 Methylphenol	ND		9.5	0.24	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Nitroaniline	ND		9.5	1.6	ug/L		12/26/12 12:25	12/31/12 21:43	1
2-Nitrophenol	ND		9.5	0.37	ug/L		12/26/12 12:25	12/31/12 21:43	1
3,3'-Dichlorobenzidine	ND		47	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
3-Nitroaniline	ND		9.5	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
4,6-Dinitro-2-methylphenol	ND		47	3.8	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Bromophenyl phenyl ether	ND		9.5	0.41	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Chloro-3-methylphenol	ND		9.5	2.3	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Chloroaniline	ND		9.5	2.0	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Chlorophenyl phenyl ether	ND		9.5	1.6	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Nitroaniline	ND		9.5	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
4-Nitrophenol	ND		9.5	1.2	ug/L		12/26/12 12:25	12/31/12 21:43	1
Acenaphthene	ND		3.8	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
Acenaphthylene	ND		3.8	0.46	ug/L		12/26/12 12:25	12/31/12 21:43	1
Acetophenone	ND		9.5	0.23	ug/L		12/26/12 12:25	12/31/12 21:43	1
Anthracene	ND		3.8	0.40	ug/L		12/26/12 12:25	12/31/12 21:43	1
Atrazine	ND		9.5	0.69	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzaldehyde	ND		9.5	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzo[a]pyrene	ND		3.8	0.29	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzo[b]fluoranthene	ND		3.8	0.50	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzo[g,h,i]perylene	ND		3.8	0.47	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzo[k]fluoranthene	ND		3.8	0.44	ug/L		12/26/12 12:25	12/31/12 21:43	1
Benzo[a]anthracene	ND		3.8	0.33	ug/L		12/26/12 12:25	12/31/12 21:43	1
Bis(2-chloroethoxy)methane	ND		9.5	0.92	ug/L		12/26/12 12:25	12/31/12 21:43	1
Bis(2-chloroethyl)ether	ND		9.5	0.39	ug/L		12/26/12 12:25	12/31/12 21:43	1
Bis(2-ethylhexyl) phthalate	ND		9.5	0.53	ug/L		12/26/12 12:25	12/31/12 21:43	1
Butyl benzyl phthalate	ND		3.8	0.95	ug/L		12/26/12 12:25	12/31/12 21:43	1
Caprolactam	ND		9.5	4.7	ug/L		12/26/12 12:25	12/31/12 21:43	1
Carbazole	ND		3.8	0.41	ug/L		12/26/12 12:25	12/31/12 21:43	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		3.8	0.51	ug/L		12/26/12 12:25	12/31/12 21:43	1
Dibenz(a,h)anthracene	ND		3.8	0.48	ug/L		12/26/12 12:25	12/31/12 21:43	1
Di-n-butyl phthalate	ND		3.8	1.1	ug/L		12/26/12 12:25	12/31/12 21:43	1
Di-n-octyl phthalate	ND		3.8	0.33	ug/L		12/26/12 12:25	12/31/12 21:43	1
Dibenzofuran	ND		3.8	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
Diethyl phthalate	ND		3.8	0.36	ug/L		12/26/12 12:25	12/31/12 21:43	1
Dimethyl phthalate	ND		3.8	0.20	ug/L		12/26/12 12:25	12/31/12 21:43	1
Fluoranthene	ND		3.8	0.19	ug/L		12/26/12 12:25	12/31/12 21:43	1
Fluorene	ND		3.8	0.29	ug/L		12/26/12 12:25	12/31/12 21:43	1
Hexachlorobenzene	ND		9.5	0.63	ug/L		12/26/12 12:25	12/31/12 21:43	1
Hexachlorobutadiene	ND		9.5	3.1	ug/L		12/26/12 12:25	12/31/12 21:43	1
Hexachlorocyclopentadiene	ND		47	9.5	ug/L		12/26/12 12:25	12/31/12 21:43	1
Hexachloroethane	ND		9.5	2.0	ug/L		12/26/12 12:25	12/31/12 21:43	1
Indeno[1,2,3-cd]pyrene	ND		3.8	0.62	ug/L		12/26/12 12:25	12/31/12 21:43	1
Isophorone	ND		9.5	0.20	ug/L		12/26/12 12:25	12/31/12 21:43	1
N-Nitrosodi-n-propylamine	ND		9.5	0.33	ug/L		12/26/12 12:25	12/31/12 21:43	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		9.5	0.42	ug/L		12/26/12 12:25	12/31/12 21:43	1
Naphthalene	ND		3.8	0.27	ug/L		12/26/12 12:25	12/31/12 21:43	1
Nitrobenzene	ND		9.5	0.77	ug/L		12/26/12 12:25	12/31/12 21:43	1
Pentachlorophenol	ND		47	19	ug/L		12/26/12 12:25	12/31/12 21:43	1
Phenanthrene	ND		3.8	0.25	ug/L		12/26/12 12:25	12/31/12 21:43	1
Phenol	ND		9.5	1.9	ug/L		12/26/12 12:25	12/31/12 21:43	1
Pyrene	ND		9.5	0.35	ug/L		12/26/12 12:25	12/31/12 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	74		51 - 120				12/26/12 12:25	12/31/12 21:43	1
Phenol-d5	78		51 - 120				12/26/12 12:25	12/31/12 21:43	1
2,4,6-Tribromophenol	100		57 - 120				12/26/12 12:25	12/31/12 21:43	1
2-Fluorobiphenyl	75		38 - 120				12/26/12 12:25	12/31/12 21:43	1
Nitrobenzene-d5	77		48 - 120				12/26/12 12:25	12/31/12 21:43	1
Terphenyl-d14	85		50 - 120				12/26/12 12:25	12/31/12 21:43	1

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SE-01 - (0-2)
Date Collected: 12/20/12 20:20
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.8	2.8	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
4,4'-DDE	ND		8.8	1.2	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
4,4'-DDT	ND		8.8	3.0	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Aldrin	ND		8.8	1.3	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
alpha-BHC	ND		8.8	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
beta-BHC	ND		8.8	3.4	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Chlordane (n.o.s.)	ND		8.8	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
delta-BHC	ND		8.8	2.1	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Dieldrin	ND		8.8	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Endosulfan I	ND		8.8	0.91	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Endosulfan II	ND		8.8	1.5	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		8.8	1.4	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Endrin	ND		8.8	1.6	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Endrin aldehyde	ND		8.8	0.88	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
gamma-BHC (Lindane)	ND		8.8	2.4	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Heptachlor	ND		8.8	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Heptachlor epoxide	ND		8.8	2.2	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Methoxychlor	ND		17	2.3	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Toxaphene	ND		350	82	ug/Kg	☼	12/24/12 11:15	12/31/12 15:05	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81	D	63 - 124				12/24/12 11:15	12/31/12 15:05	5
Tetrachloro-m-xylene	84	D	59 - 115				12/24/12 11:15	12/31/12 15:05	5

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.63	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
4,4'-DDE	ND		2.0	0.27	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
4,4'-DDT	ND		2.0	0.68	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Aldrin	ND		2.0	0.29	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
alpha-BHC	ND		2.0	0.25	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
beta-BHC	ND		2.0	0.76	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Chlordane (n.o.s.)	ND		2.0	0.25	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
delta-BHC	ND		2.0	0.46	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Dieldrin	ND		2.0	0.24	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Endosulfan I	ND		2.0	0.20	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Endosulfan II	ND		2.0	0.33	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Endosulfan sulfate	ND		2.0	0.32	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Endrin	ND		2.0	0.35	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Endrin aldehyde	ND		2.0	0.20	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
gamma-BHC (Lindane)	ND		2.0	0.53	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Heptachlor	ND		2.0	0.25	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Heptachlor epoxide	ND		2.0	0.49	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Methoxychlor	ND		3.8	0.52	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Toxaphene	ND		77	18	ug/Kg	☼	01/03/13 20:35	01/04/13 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		63 - 124				01/03/13 20:35	01/04/13 17:51	1
Tetrachloro-m-xylene	88		59 - 115				01/03/13 20:35	01/04/13 17:51	1

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		11	3.4	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
4,4'-DDE	ND		11	1.5	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
4,4'-DDT	ND		11	3.7	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Aldrin	ND		11	1.6	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
alpha-BHC	ND		11	1.3	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		11	4.2	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Chlordane (n.o.s.)	ND		11	1.3	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
delta-BHC	ND		11	2.5	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Dieldrin	ND		11	1.3	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Endosulfan I	ND		11	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Endosulfan II	ND		11	1.8	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Endosulfan sulfate	ND		11	1.7	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Endrin	ND		11	1.9	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Endrin aldehyde	ND		11	1.1	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
gamma-BHC (Lindane)	ND		11	2.9	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Heptachlor	ND		11	1.3	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Heptachlor epoxide	ND		11	2.7	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Methoxychlor	ND		21	2.8	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Toxaphene	ND		420	100	ug/Kg	☼	12/24/12 11:15	12/31/12 16:15	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43	D	63 - 124				12/24/12 11:15	12/31/12 16:15	5
Tetrachloro-m-xylene	56	D	59 - 115				12/24/12 11:15	12/31/12 16:15	5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	5.3	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1221	ND		49	16	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1232	ND		34	5.3	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1242	ND		34	9.4	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1248	ND		34	5.8	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1254	ND		34	5.7	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1260	ND		34	2.7	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1262	ND		34	12	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
PCB-1268	ND		34	4.1	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
Polychlorinated biphenyls, Total	ND		34	2.7	ug/Kg	☼	12/24/12 11:15	01/02/13 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	46	X	59 - 130				12/24/12 11:15	01/02/13 17:35	1
Tetrachloro-m-xylene	87		53 - 128				12/24/12 11:15	01/02/13 17:35	1

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		38	5.8	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1221	ND		54	18	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1232	ND		38	5.9	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1242	ND		38	10	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1248	ND		38	6.4	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1254	ND		38	6.3	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		38	3.0	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1262	ND		38	13	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
PCB-1268	ND		38	4.5	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1
Polychlorinated biphenyls, Total	ND		38	3.0	ug/Kg	☼	01/03/13 20:35	01/07/13 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		59 - 130	01/03/13 20:35	01/07/13 17:30	1
Tetrachloro-m-xylene	85		53 - 128	01/03/13 20:35	01/07/13 17:30	1

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		42	6.4	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1221	ND		59	20	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1232	ND		42	6.5	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1242	ND		42	11	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1248	ND		42	7.1	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1254	ND		42	7.0	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1260	ND		42	3.3	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1262	ND		42	15	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
PCB-1268	ND		42	5.0	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1
Polychlorinated biphenyls, Total	ND		42	3.3	ug/Kg	☼	12/24/12 11:15	01/02/13 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	33	X	59 - 130	12/24/12 11:15	01/02/13 19:00	1
Tetrachloro-m-xylene	63		53 - 128	12/24/12 11:15	01/02/13 19:00	1

Method: 8151A - Herbicides (GC)

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND	*	410	71	ug/Kg	☼	12/27/12 08:40	01/02/13 22:31	5
Dinoseb	ND		61	7.1	ug/Kg	☼	12/27/12 08:40	01/02/13 22:31	5
2,4,5-T	ND		100	12	ug/Kg	☼	12/27/12 08:40	01/02/13 22:31	5
Silvex (2,4,5-TP)	ND		100	7.1	ug/Kg	☼	12/27/12 08:40	01/02/13 22:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	47	D	31 - 105	12/27/12 08:40	01/02/13 22:31	5

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND	*	96	17	ug/Kg	☼	12/27/12 08:40	01/02/13 23:38	1
Dinoseb	ND		14	1.7	ug/Kg	☼	12/27/12 08:40	01/02/13 23:38	1
2,4,5-T	ND		24	2.7	ug/Kg	☼	12/27/12 08:40	01/02/13 23:38	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	12/27/12 08:40	01/02/13 23:38	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	82		31 - 105				12/27/12 08:40	01/02/13 23:38	1

Client Sample ID: SE-01 - (34-36)							Lab Sample ID: 280-37307-3			
Date Collected: 12/20/12 21:25							Matrix: Solid			
Date Received: 12/21/12 14:12							Percent Solids: 75.6			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
2,4-D	ND	*	100	18	ug/Kg	☼	12/27/12 08:40	01/03/13 00:01	1	
Dinoseb	ND		15	1.8	ug/Kg	☼	12/27/12 08:40	01/03/13 00:01	1	
2,4,5-T	ND		25	2.9	ug/Kg	☼	12/27/12 08:40	01/03/13 00:01	1	
Silvex (2,4,5-TP)	ND		25	1.8	ug/Kg	☼	12/27/12 08:40	01/03/13 00:01	1	

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	92		31 - 105				12/27/12 08:40	01/03/13 00:01	1

Method: 6010B - Metals (ICP)

Client Sample ID: SE-01 - (0-2)							Lab Sample ID: 280-37307-1			
Date Collected: 12/20/12 20:20							Matrix: Solid			
Date Received: 12/21/12 14:12							Percent Solids: 95.8			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	2200		1900	630	ug/Kg	☼	12/28/12 07:30	12/31/12 15:02	1	
Barium	50000		960	73	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	
Cadmium	100	J	480	39	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	
Chromium	11000		1400	56	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	
Lead	13000		770	260	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	
Selenium	ND		1200	820	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	
Silver	ND		960	150	ug/Kg	☼	12/28/12 07:30	12/28/12 19:22	1	

Client Sample ID: SE-01 - (24-26)							Lab Sample ID: 280-37307-2			
Date Collected: 12/20/12 21:08							Matrix: Solid			
Date Received: 12/21/12 14:12							Percent Solids: 82.2			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	3100		2100	700	ug/Kg	☼	12/28/12 07:30	12/31/12 15:04	1	
Barium	400000		1100	80	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	
Cadmium	280	J	530	43	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	
Chromium	13000		1600	61	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	
Lead	11000		850	290	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	
Selenium	950	J	1400	910	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	
Silver	ND		1100	170	ug/Kg	☼	12/28/12 07:30	12/28/12 19:25	1	

Client Sample ID: SE-01 - (34-36)							Lab Sample ID: 280-37307-3			
Date Collected: 12/20/12 21:25							Matrix: Solid			
Date Received: 12/21/12 14:12							Percent Solids: 75.6			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	5300	J	12000	3800	ug/Kg	☼	12/28/12 07:30	12/31/12 15:07	5	
Barium	230000		5800	440	ug/Kg	☼	12/28/12 07:30	12/31/12 15:07	5	
Cadmium	180	J	580	48	ug/Kg	☼	12/28/12 07:30	12/28/12 19:28	1	
Chromium	17000		1700	67	ug/Kg	☼	12/28/12 07:30	12/28/12 19:28	1	
Lead	12000		930	310	ug/Kg	☼	12/28/12 07:30	12/28/12 19:28	1	
Selenium	ND		1500	1000	ug/Kg	☼	12/28/12 07:30	12/28/12 19:28	1	
Silver	ND		1200	190	ug/Kg	☼	12/28/12 07:30	12/28/12 19:28	1	

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 6010B - Metals (ICP)

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/27/12 07:30	12/28/12 03:56	1
Barium	250	B	10	0.58	ug/L		12/27/12 07:30	12/28/12 03:56	1
Cadmium	0.99	J	5.0	0.45	ug/L		12/27/12 07:30	12/28/12 03:56	1
Chromium	7.9	J	10	0.66	ug/L		12/27/12 07:30	12/28/12 03:56	1
Lead	12		9.0	2.6	ug/L		12/27/12 07:30	12/28/12 03:56	1
Selenium	11	J	15	4.9	ug/L		12/27/12 07:30	12/28/12 03:56	1
Silver	ND		10	0.93	ug/L		12/27/12 07:30	12/28/12 03:56	1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:36	1
Barium	170		10	0.58	ug/L		12/28/12 12:00	12/31/12 20:36	1
Cadmium	0.48	J	5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:36	1
Chromium	ND		10	0.66	ug/L		12/28/12 12:00	12/31/12 20:36	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:36	1
Selenium	11	J B	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:36	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:36	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057	J B	0.20	0.027	ug/L		12/27/12 12:00	12/27/12 18:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:26	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SE-01 - (0-2)
Date Collected: 12/20/12 20:20
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		16	5.2	ug/Kg	☼	12/26/12 11:35	12/26/12 15:34	1

Client Sample ID: SE-01 - (24-26)
Date Collected: 12/20/12 21:08
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2
Matrix: Solid
Percent Solids: 82.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	19	6.1	ug/Kg	☼	12/26/12 11:35	12/26/12 15:36	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 7471A - Mercury (CVAA)

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	27	8.8	ug/Kg	☼	12/26/12 11:35	12/26/12 15:38	1

General Chemistry

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.2		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	96		0.10	0.10	%			12/26/12 10:50	1

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	82		0.10	0.10	%			12/26/12 10:50	1

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		0.10	0.10	%			12/26/12 10:50	1
Percent Solids	76		0.10	0.10	%			12/26/12 10:50	1

Client Sample ID: SE-01 - GW

Date Collected: 12/20/12 23:00

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	1.8		5.6	1.5	mg/L		12/31/12 12:38	12/31/12 15:42	1

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-153850/1-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.57	J	20	5.4	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Benzene	ND		5.0	0.47	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Cyclohexane	ND		5.0	0.40	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Bromomethane	ND		10	0.50	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Bromoform	0.322	J	5.0	0.23	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloroethane	ND		10	0.89	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloroform	ND		10	0.29	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
2-Hexanone	ND		20	4.9	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Chloromethane	ND		10	0.77	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methyl acetate	ND		10	2.8	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Styrene	ND		5.0	0.63	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Toluene	ND		5.0	0.69	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/26/12 16:00	12/26/12 19:17	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153850/1-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/26/12 16:00	12/26/12 19:17	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/26/12 16:00	12/26/12 19:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 140	12/26/12 16:00	12/26/12 19:17	1
Toluene-d8 (Surr)	97		80 - 126	12/26/12 16:00	12/26/12 19:17	1
4-Bromofluorobenzene (Surr)	96		76 - 127	12/26/12 16:00	12/26/12 19:17	1
Dibromofluoromethane (Surr)	113		75 - 121	12/26/12 16:00	12/26/12 19:17	1

Lab Sample ID: LCS 280-153850/2-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	219		ug/Kg		109	65 - 150
2-Butanone (MEK)	200	227		ug/Kg		113	45 - 177
Benzene	50.0	39.9		ug/Kg		80	75 - 135
Chlorobenzene	50.0	40.5		ug/Kg		81	78 - 135
Carbon disulfide	50.0	29.5		ug/Kg		59	45 - 150
Carbon tetrachloride	50.0	40.3		ug/Kg		81	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	43.4		ug/Kg		87	66 - 150
Bromomethane	50.0	43.2		ug/Kg		86	52 - 135
Bromoform	50.0	45.2		ug/Kg		90	77 - 135
Chloroethane	50.0	40.0		ug/Kg		80	51 - 145
Chloroform	50.0	39.4		ug/Kg		79	73 - 123
Chlorobromomethane	50.0	44.0		ug/Kg		88	74 - 135
Dichlorobromomethane	50.0	43.2		ug/Kg		86	73 - 135
Chlorodibromomethane	50.0	44.5		ug/Kg		89	77 - 135
Isopropylbenzene	50.0	39.3		ug/Kg		79	74 - 137
2-Hexanone	200	215		ug/Kg		108	67 - 150
Chloromethane	50.0	41.2		ug/Kg		82	41 - 138
Dichlorodifluoromethane	50.0	42.5		ug/Kg		85	32 - 152
trans-1,2-Dichloroethene	50.0	40.3		ug/Kg		81	77 - 135
trans-1,3-Dichloropropene	50.0	44.8		ug/Kg		90	71 - 135
Methylene Chloride	50.0	42.8		ug/Kg		86	76 - 136
Methyl tert-butyl ether	50.0	47.6		ug/Kg		95	71 - 141
4-Methyl-2-pentanone (MIBK)	200	217		ug/Kg		108	69 - 150
Styrene	50.0	42.9		ug/Kg		86	76 - 135
1,1,1,2-Tetrachloroethane	50.0	44.6		ug/Kg		89	65 - 135
1,2,3-Trichlorobenzene	50.0	42.4		ug/Kg		85	62 - 135
1,2,4-Trichlorobenzene	50.0	41.8		ug/Kg		84	65 - 135
Toluene	50.0	40.0		ug/Kg		80	77 - 122
1,1,1-Trichloroethane	50.0	41.6		ug/Kg		83	70 - 135
1,1,2-Trichloroethane	50.0	42.5		ug/Kg		85	78 - 135
Trichloroethene	50.0	38.6		ug/Kg		77	77 - 135
Vinyl chloride	50.0	41.9		ug/Kg		84	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153850/2-A

Matrix: Solid

Analysis Batch: 153854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	79.7		ug/Kg		80	77 - 135
o-Xylene	50.0	41.0		ug/Kg		82	75 - 135
Tetrachloroethene	50.0	39.5		ug/Kg		79	76 - 135
1,2-Dichlorobenzene	50.0	41.7		ug/Kg		83	73 - 135
1,3-Dichlorobenzene	50.0	40.5		ug/Kg		81	69 - 135
1,4-Dichlorobenzene	50.0	40.3		ug/Kg		81	73 - 135
cis-1,2-Dichloroethene	50.0	40.4		ug/Kg		81	76 - 135
cis-1,3-Dichloropropene	50.0	42.6		ug/Kg		85	71 - 135
1,1-Dichloroethane	50.0	41.0		ug/Kg		82	70 - 135
1,1-Dichloroethene	50.0	42.2		ug/Kg		84	79 - 135
1,2-Dichloroethane	50.0	44.0		ug/Kg		88	69 - 135
1,2-Dichloropropane	50.0	40.8		ug/Kg		82	72 - 121
Ethylbenzene	50.0	40.3		ug/Kg		81	73 - 125
1,2-Dibromoethane	50.0	42.7		ug/Kg		85	76 - 135
Trichlorofluoromethane	50.0	46.7		ug/Kg		93	48 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		58 - 140
Toluene-d8 (Surr)	97		80 - 126
4-Bromofluorobenzene (Surr)	98		76 - 127
Dibromofluoromethane (Surr)	111		75 - 121

Lab Sample ID: MB 280-153919/1-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153919

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		20	5.4	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Benzene	ND		5.0	0.47	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Cyclohexane	ND		5.0	0.40	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Bromomethane	ND		10	0.50	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Bromoform	ND		5.0	0.23	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloroethane	ND		10	0.89	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloroform	ND		10	0.29	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
2-Hexanone	ND		20	4.9	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloromethane	ND		10	0.77	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/27/12 06:00	12/27/12 11:35	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153919/1-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153919

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methyl acetate	ND		10	2.8	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Styrene	ND		5.0	0.63	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Toluene	ND		5.0	0.69	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,4-Dioxane	ND		500	56	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/27/12 06:00	12/27/12 11:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		58 - 140	12/27/12 06:00	12/27/12 11:35	1
Toluene-d8 (Surr)	111		80 - 126	12/27/12 06:00	12/27/12 11:35	1
4-Bromofluorobenzene (Surr)	107		76 - 127	12/27/12 06:00	12/27/12 11:35	1
Dibromofluoromethane (Surr)	92		75 - 121	12/27/12 06:00	12/27/12 11:35	1

Lab Sample ID: LCS 280-153919/2-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acetone	200	256		ug/Kg		128	65 - 150
2-Butanone (MEK)	200	305		ug/Kg		152	45 - 177
Benzene	50.0	47.9		ug/Kg		96	75 - 135
Chlorobenzene	50.0	50.5		ug/Kg		101	78 - 135
Carbon disulfide	50.0	39.8		ug/Kg		80	45 - 150

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153919/2-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	48.7		ug/Kg		97	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	59.7		ug/Kg		119	66 - 150
Bromomethane	50.0	41.0		ug/Kg		82	52 - 135
Bromoform	50.0	51.8		ug/Kg		104	77 - 135
Chloroethane	50.0	37.7		ug/Kg		75	51 - 145
Chloroform	50.0	45.2		ug/Kg		90	73 - 123
Chlorobromomethane	50.0	45.3		ug/Kg		91	74 - 135
Dichlorobromomethane	50.0	51.5		ug/Kg		103	73 - 135
Chlorodibromomethane	50.0	58.2		ug/Kg		116	77 - 135
Isopropylbenzene	50.0	53.5		ug/Kg		107	74 - 137
2-Hexanone	200	255		ug/Kg		127	67 - 150
Chloromethane	50.0	47.0		ug/Kg		94	41 - 138
Dichlorodifluoromethane	50.0	38.2		ug/Kg		76	32 - 152
trans-1,2-Dichloroethene	50.0	44.2		ug/Kg		88	77 - 135
trans-1,3-Dichloropropene	50.0	54.4		ug/Kg		109	71 - 135
Methylene Chloride	50.0	46.9		ug/Kg		94	76 - 136
Methyl tert-butyl ether	50.0	41.5		ug/Kg		83	71 - 141
4-Methyl-2-pentanone (MIBK)	200	242		ug/Kg		121	69 - 150
Styrene	50.0	48.7		ug/Kg		97	76 - 135
1,1,2,2-Tetrachloroethane	50.0	57.3		ug/Kg		115	65 - 135
1,2,3-Trichlorobenzene	50.0	47.4		ug/Kg		95	62 - 135
1,2,4-Trichlorobenzene	50.0	47.6		ug/Kg		95	65 - 135
Toluene	50.0	48.5		ug/Kg		97	77 - 122
1,1,1-Trichloroethane	50.0	45.5		ug/Kg		91	70 - 135
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	78 - 135
Trichloroethene	50.0	48.4		ug/Kg		97	77 - 135
Vinyl chloride	50.0	38.0		ug/Kg		76	43 - 145
m-Xylene & p-Xylene	100	99.6		ug/Kg		100	77 - 135
o-Xylene	50.0	47.9		ug/Kg		96	75 - 135
Tetrachloroethene	50.0	53.4		ug/Kg		107	76 - 135
1,2-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 135
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	69 - 135
1,4-Dichlorobenzene	50.0	50.5		ug/Kg		101	73 - 135
cis-1,2-Dichloroethene	50.0	44.2		ug/Kg		88	76 - 135
cis-1,3-Dichloropropene	50.0	61.1		ug/Kg		122	71 - 135
1,1-Dichloroethane	50.0	45.6		ug/Kg		91	70 - 135
1,1-Dichloroethene	50.0	53.2		ug/Kg		106	79 - 135
1,2-Dichloroethane	50.0	48.4		ug/Kg		97	69 - 135
1,2-Dichloropropane	50.0	50.4		ug/Kg		101	72 - 121
Ethylbenzene	50.0	50.0		ug/Kg		100	73 - 125
1,2-Dibromoethane	50.0	54.0		ug/Kg		108	76 - 135
Trichlorofluoromethane	50.0	36.5		ug/Kg		73	48 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		58 - 140
Toluene-d8 (Surr)	108		80 - 126
4-Bromofluorobenzene (Surr)	106		76 - 127
Dibromofluoromethane (Surr)	92		75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153993/6

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			12/28/12 11:08	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			12/28/12 11:08	1
Benzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
Chlorobenzene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Carbon disulfide	ND		2.0	0.45	ug/L			12/28/12 11:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Cyclohexane	ND		2.0	0.28	ug/L			12/28/12 11:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			12/28/12 11:08	1
Bromomethane	ND		2.0	0.21	ug/L			12/28/12 11:08	1
Bromoform	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Chloroethane	ND		2.0	0.41	ug/L			12/28/12 11:08	1
Chloroform	ND		1.0	0.16	ug/L			12/28/12 11:08	1
Chlorobromomethane	ND		1.0	0.10	ug/L			12/28/12 11:08	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			12/28/12 11:08	1
Isopropylbenzene	ND		1.0	0.19	ug/L			12/28/12 11:08	1
2-Hexanone	ND		5.0	1.7	ug/L			12/28/12 11:08	1
Chloromethane	ND		2.0	0.30	ug/L			12/28/12 11:08	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			12/28/12 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			12/28/12 11:08	1
Methylene Chloride	0.490	J	2.0	0.32	ug/L			12/28/12 11:08	1
Methyl acetate	ND		5.0	1.6	ug/L			12/28/12 11:08	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			12/28/12 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			12/28/12 11:08	1
Methylcyclohexane	ND		1.0	0.36	ug/L			12/28/12 11:08	1
Styrene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/28/12 11:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 11:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			12/28/12 11:08	1
Toluene	ND		1.0	0.17	ug/L			12/28/12 11:08	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			12/28/12 11:08	1
Trichloroethene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			12/28/12 11:08	1
Vinyl chloride	ND		1.0	0.10	ug/L			12/28/12 11:08	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			12/28/12 11:08	1
o-Xylene	ND		1.0	0.19	ug/L			12/28/12 11:08	1
Tetrachloroethene	ND		1.0	0.20	ug/L			12/28/12 11:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			12/28/12 11:08	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			12/28/12 11:08	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			12/28/12 11:08	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			12/28/12 11:08	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			12/28/12 11:08	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			12/28/12 11:08	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153993/6

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		200	57	ug/L			12/28/12 11:08	1
Ethylbenzene	ND		1.0	0.16	ug/L			12/28/12 11:08	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			12/28/12 11:08	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			12/28/12 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 127		12/28/12 11:08	1
Toluene-d8 (Surr)	83		80 - 125		12/28/12 11:08	1
4-Bromofluorobenzene (Surr)	81		78 - 120		12/28/12 11:08	1
Dibromofluoromethane (Surr)	93		77 - 120		12/28/12 11:08	1

Lab Sample ID: LCS 280-153993/23

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.3		ug/L		102	50 - 156
2-Butanone (MEK)	20.0	26.6		ug/L		133	44 - 150
Benzene	5.00	5.39		ug/L		108	74 - 135
Chlorobenzene	5.00	5.09		ug/L		102	76 - 135
Carbon disulfide	5.00	4.77		ug/L		95	34 - 150
Carbon tetrachloride	5.00	5.24		ug/L		105	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.55	J	ug/L		91	65 - 150
Bromomethane	5.00	4.21		ug/L		84	38 - 150
Bromoform	5.00	4.57		ug/L		91	62 - 135
Chloroethane	5.00	4.31		ug/L		86	46 - 147
Chloroform	5.00	5.12		ug/L		102	76 - 120
Chlorobromomethane	5.00	5.03		ug/L		101	70 - 135
Dichlorobromomethane	5.00	5.25		ug/L		105	73 - 135
Chlorodibromomethane	5.00	4.41		ug/L		88	68 - 135
Isopropylbenzene	5.00	5.09		ug/L		102	75 - 135
2-Hexanone	20.0	18.0		ug/L		90	47 - 150
Chloromethane	5.00	4.34		ug/L		87	34 - 145
Dichlorodifluoromethane	5.00	3.94		ug/L		79	28 - 152
trans-1,2-Dichloroethene	5.00	5.54		ug/L		111	75 - 135
trans-1,3-Dichloropropene	5.00	5.01		ug/L		100	68 - 135
Methylene Chloride	5.00	5.29		ug/L		106	54 - 141
Methyl tert-butyl ether	5.00	5.07		ug/L		101	46 - 135
4-Methyl-2-pentanone (MIBK)	20.0	19.2		ug/L		96	53 - 150
Styrene	5.00	4.85		ug/L		97	68 - 135
1,1,2,2-Tetrachloroethane	5.00	5.55		ug/L		111	66 - 135
1,2,3-Trichlorobenzene	5.00	4.70		ug/L		94	60 - 135
1,2,4-Trichlorobenzene	5.00	4.53		ug/L		91	64 - 135
Toluene	5.00	5.73		ug/L		115	73 - 120
1,1,1-Trichloroethane	5.00	5.23		ug/L		105	70 - 135
1,1,2-Trichloroethane	5.00	5.08		ug/L		102	73 - 135
Trichloroethene	5.00	5.13		ug/L		103	73 - 135
Vinyl chloride	5.00	4.08		ug/L		82	40 - 144

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153993/23

Matrix: Water

Analysis Batch: 153993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	74 - 135
o-Xylene	5.00	4.85		ug/L		97	73 - 135
Tetrachloroethene	5.00	4.99		ug/L		100	70 - 135
1,2-Dichlorobenzene	5.00	5.17		ug/L		103	75 - 135
1,3-Dichlorobenzene	5.00	5.13		ug/L		103	74 - 135
1,4-Dichlorobenzene	5.00	5.10		ug/L		102	75 - 135
cis-1,2-Dichloroethene	5.00	5.31		ug/L		106	73 - 135
cis-1,3-Dichloropropene	5.00	4.35		ug/L		87	66 - 135
1,1-Dichloroethane	5.00	5.15		ug/L		103	75 - 135
1,1-Dichloroethene	5.00	6.12		ug/L		122	71 - 136
1,2-Dichloroethane	5.00	5.11		ug/L		102	70 - 135
1,2-Dichloropropane	5.00	5.13		ug/L		103	71 - 120
Ethylbenzene	5.00	5.14		ug/L		103	72 - 120
1,2-Dibromoethane	5.00	5.05		ug/L		101	71 - 135
Trichlorofluoromethane	5.00	4.08		ug/L		82	47 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 127
Toluene-d8 (Surr)	85		80 - 125
4-Bromofluorobenzene (Surr)	84		78 - 120
Dibromofluoromethane (Surr)	92		77 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-153760/1-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.8	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.7	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,2,4-Trichlorobenzene	ND		4.0	0.28	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,2-Dichlorobenzene	ND		4.0	0.23	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,3-Dichlorobenzene	ND		10	0.30	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,4-Dichlorobenzene	ND		4.0	0.32	ug/L		12/26/12 12:25	12/31/12 15:32	1
1,4-Dioxane	ND		20	1.7	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4,6-Trichlorophenol	ND		10	0.29	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4-Dichlorophenol	ND		10	0.64	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,2'-oxybis[1-chloropropane]	ND		10	0.28	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,3,4,6-Tetrachlorophenol	ND		50	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4,5-Trichlorophenol	ND		10	0.45	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4-Dimethylphenol	ND		10	0.58	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4-Dinitrophenol	ND		30	10	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		12/26/12 12:25	12/31/12 15:32	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		12/26/12 12:25	12/31/12 15:32	1
2-Chloronaphthalene	ND		4.0	0.26	ug/L		12/26/12 12:25	12/31/12 15:32	1
2-Chlorophenol	ND		10	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
2-Methylnaphthalene	ND		4.0	0.29	ug/L		12/26/12 12:25	12/31/12 15:32	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153760/1-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153760

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylphenol	ND		10	0.98	ug/L		12/26/12 12:25	12/31/12 15:32	1
3 & 4 Methylphenol	ND		10	0.25	ug/L		12/26/12 12:25	12/31/12 15:32	1
2-Nitroaniline	ND		10	1.7	ug/L		12/26/12 12:25	12/31/12 15:32	1
2-Nitrophenol	ND		10	0.39	ug/L		12/26/12 12:25	12/31/12 15:32	1
3,3'-Dichlorobenzidine	ND		50	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
3-Nitroaniline	ND		10	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Bromophenyl phenyl ether	ND		10	0.43	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Chloroaniline	ND		10	2.1	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Chlorophenyl phenyl ether	ND		10	1.7	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Nitroaniline	ND		10	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
4-Nitrophenol	ND		10	1.2	ug/L		12/26/12 12:25	12/31/12 15:32	1
Acenaphthene	ND		4.0	0.28	ug/L		12/26/12 12:25	12/31/12 15:32	1
Acenaphthylene	ND		4.0	0.49	ug/L		12/26/12 12:25	12/31/12 15:32	1
Acetophenone	ND		10	0.24	ug/L		12/26/12 12:25	12/31/12 15:32	1
Anthracene	ND		4.0	0.42	ug/L		12/26/12 12:25	12/31/12 15:32	1
Atrazine	ND		10	0.73	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzaldehyde	ND		10	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		12/26/12 12:25	12/31/12 15:32	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		12/26/12 12:25	12/31/12 15:32	1
Bis(2-chloroethoxy)methane	ND		10	0.97	ug/L		12/26/12 12:25	12/31/12 15:32	1
Bis(2-chloroethyl)ether	ND		10	0.41	ug/L		12/26/12 12:25	12/31/12 15:32	1
Bis(2-ethylhexyl) phthalate	ND		10	0.56	ug/L		12/26/12 12:25	12/31/12 15:32	1
Butyl benzyl phthalate	ND		4.0	1.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
Caprolactam	ND		10	5.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
Carbazole	ND		4.0	0.43	ug/L		12/26/12 12:25	12/31/12 15:32	1
Chrysene	ND		4.0	0.54	ug/L		12/26/12 12:25	12/31/12 15:32	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		12/26/12 12:25	12/31/12 15:32	1
Di-n-butyl phthalate	ND		4.0	1.2	ug/L		12/26/12 12:25	12/31/12 15:32	1
Di-n-octyl phthalate	ND		4.0	0.35	ug/L		12/26/12 12:25	12/31/12 15:32	1
Dibenzofuran	ND		4.0	0.29	ug/L		12/26/12 12:25	12/31/12 15:32	1
Diethyl phthalate	ND		4.0	0.38	ug/L		12/26/12 12:25	12/31/12 15:32	1
Dimethyl phthalate	ND		4.0	0.21	ug/L		12/26/12 12:25	12/31/12 15:32	1
Fluoranthene	ND		4.0	0.20	ug/L		12/26/12 12:25	12/31/12 15:32	1
Fluorene	ND		4.0	0.31	ug/L		12/26/12 12:25	12/31/12 15:32	1
Hexachlorobenzene	ND		10	0.66	ug/L		12/26/12 12:25	12/31/12 15:32	1
Hexachlorobutadiene	ND		10	3.3	ug/L		12/26/12 12:25	12/31/12 15:32	1
Hexachlorocyclopentadiene	ND		50	10	ug/L		12/26/12 12:25	12/31/12 15:32	1
Hexachloroethane	ND		10	2.1	ug/L		12/26/12 12:25	12/31/12 15:32	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		12/26/12 12:25	12/31/12 15:32	1
Isophorone	ND		10	0.21	ug/L		12/26/12 12:25	12/31/12 15:32	1
N-Nitrosodi-n-propylamine	ND		10	0.35	ug/L		12/26/12 12:25	12/31/12 15:32	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10	0.44	ug/L		12/26/12 12:25	12/31/12 15:32	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153760/1-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.29	ug/L		12/26/12 12:25	12/31/12 15:32	1
Nitrobenzene	ND		10	0.81	ug/L		12/26/12 12:25	12/31/12 15:32	1
Pentachlorophenol	ND		50	20	ug/L		12/26/12 12:25	12/31/12 15:32	1
Phenanthrene	ND		4.0	0.26	ug/L		12/26/12 12:25	12/31/12 15:32	1
Phenol	ND		10	2.0	ug/L		12/26/12 12:25	12/31/12 15:32	1
Pyrene	ND		10	0.37	ug/L		12/26/12 12:25	12/31/12 15:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	75		51 - 120	12/26/12 12:25	12/31/12 15:32	1
Phenol-d5	79		51 - 120	12/26/12 12:25	12/31/12 15:32	1
2,4,6-Tribromophenol	97		57 - 120	12/26/12 12:25	12/31/12 15:32	1
2-Fluorobiphenyl	64		38 - 120	12/26/12 12:25	12/31/12 15:32	1
Nitrobenzene-d5	78		48 - 120	12/26/12 12:25	12/31/12 15:32	1
Terphenyl-d14	83		50 - 120	12/26/12 12:25	12/31/12 15:32	1

Lab Sample ID: LCS 280-153760/2-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	80.0	53.7		ug/L		67	28 - 120
1,2-Dichlorobenzene	80.0	49.6		ug/L		62	28 - 120
1,3-Dichlorobenzene	80.0	46.7		ug/L		58	24 - 120
1,4-Dichlorobenzene	80.0	47.6		ug/L		59	25 - 120
2,4,6-Trichlorophenol	80.0	73.4		ug/L		92	62 - 120
2,4-Dichlorophenol	80.0	71.5		ug/L		89	62 - 120
2,2'-oxybis[1-chloropropane]	80.0	55.0		ug/L		69	49 - 120
2,4,5-Trichlorophenol	80.0	72.7		ug/L		91	64 - 120
2,4-Dimethylphenol	80.0	55.5		ug/L		69	44 - 120
2,4-Dinitrophenol	80.0	70.5		ug/L		88	55 - 120
2,4-Dinitrotoluene	80.0	73.9		ug/L		92	76 - 120
2,6-Dinitrotoluene	80.0	70.9		ug/L		89	73 - 120
2-Chloronaphthalene	80.0	62.4		ug/L		78	51 - 120
2-Chlorophenol	80.0	65.7		ug/L		82	58 - 120
2-Methylnaphthalene	80.0	58.9		ug/L		74	42 - 120
2-Methylphenol	80.0	63.8		ug/L		80	62 - 120
3 & 4 Methylphenol	160	129		ug/L		81	58 - 120
2-Nitroaniline	80.0	68.4		ug/L		86	70 - 120
2-Nitrophenol	80.0	74.1		ug/L		93	59 - 120
3,3'-Dichlorobenzidine	80.0	37.3	J	ug/L		47	10 - 120
3-Nitroaniline	80.0	69.6		ug/L		87	70 - 120
4,6-Dinitro-2-methylphenol	80.0	76.7		ug/L		96	63 - 125
4-Bromophenyl phenyl ether	80.0	67.3		ug/L		84	69 - 120
4-Chloro-3-methylphenol	80.0	72.3		ug/L		90	69 - 120
4-Chloroaniline	80.0	63.3		ug/L		79	60 - 120
4-Chlorophenyl phenyl ether	80.0	67.7		ug/L		85	67 - 120
4-Nitroaniline	80.0	72.7		ug/L		91	70 - 120
4-Nitrophenol	80.0	74.8		ug/L		93	59 - 129

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153760/2-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	64.2		ug/L		80	61 - 120
Acenaphthylene	80.0	65.7		ug/L		82	63 - 120
Anthracene	80.0	63.9		ug/L		80	71 - 120
Benzo[a]pyrene	80.0	57.1		ug/L		71	63 - 120
Benzo[b]fluoranthene	80.0	63.6		ug/L		80	65 - 120
Benzo[g,h,i]perylene	80.0	68.1		ug/L		85	69 - 120
Benzo[k]fluoranthene	80.0	66.0		ug/L		83	66 - 120
Benzo[a]anthracene	80.0	65.4		ug/L		82	71 - 120
Bis(2-chloroethoxy)methane	80.0	65.8		ug/L		82	64 - 120
Bis(2-chloroethyl)ether	80.0	63.8		ug/L		80	60 - 120
Bis(2-ethylhexyl) phthalate	80.0	70.4		ug/L		88	62 - 133
Butyl benzyl phthalate	80.0	67.5		ug/L		84	71 - 120
Carbazole	80.0	65.0		ug/L		81	72 - 120
Chrysene	80.0	64.4		ug/L		80	69 - 120
Dibenz(a,h)anthracene	80.0	68.2		ug/L		85	63 - 120
Di-n-butyl phthalate	80.0	68.0		ug/L		85	75 - 120
Di-n-octyl phthalate	80.0	67.5		ug/L		84	71 - 120
Diethyl phthalate	80.0	70.2		ug/L		88	73 - 120
Dimethyl phthalate	80.0	69.4		ug/L		87	73 - 120
Fluoranthene	80.0	67.6		ug/L		85	73 - 120
Fluorene	80.0	65.8		ug/L		82	68 - 120
Hexachlorobenzene	80.0	66.4		ug/L		83	69 - 120
Hexachlorobutadiene	80.0	49.9		ug/L		62	24 - 120
Hexachlorocyclopentadiene	80.0	12.9	J	ug/L		16	10 - 120
Hexachloroethane	80.0	46.0		ug/L		57	21 - 120
Indeno[1,2,3-cd]pyrene	80.0	65.5		ug/L		82	63 - 120
Isophorone	80.0	68.8		ug/L		86	65 - 120
N-Nitrosodi-n-propylamine	80.0	65.9		ug/L		82	58 - 120
n-Nitrosodiphenylamine(as diphenylamine)	68.3	54.4		ug/L		80	66 - 120
Naphthalene	80.0	56.8		ug/L		71	39 - 120
Nitrobenzene	80.0	64.6		ug/L		81	59 - 120
Pentachlorophenol	80.0	69.3		ug/L		87	57 - 120
Phenanthrene	80.0	65.5		ug/L		82	71 - 120
Phenol	80.0	66.5		ug/L		83	61 - 120
Pyrene	80.0	64.7		ug/L		81	71 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorophenol	78		51 - 120
Phenol-d5	83		51 - 120
2,4,6-Tribromophenol	101		57 - 120
2-Fluorobiphenyl	78		38 - 120
Nitrobenzene-d5	83		48 - 120
Terphenyl-d14	83		50 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-153611/1-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.53	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
4,4'-DDE	ND		1.6	0.23	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
4,4'-DDT	ND		1.6	0.57	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Aldrin	ND		1.6	0.24	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
alpha-BHC	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
beta-BHC	ND		1.6	0.64	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Chlordane (n.o.s.)	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
delta-BHC	ND		1.6	0.39	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Dieldrin	ND		1.6	0.20	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan I	ND		1.6	0.17	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan II	ND		1.6	0.28	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endosulfan sulfate	ND		1.6	0.27	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endrin	ND		1.6	0.29	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Endrin aldehyde	ND		1.6	0.16	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
gamma-BHC (Lindane)	ND		1.6	0.45	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Heptachlor	ND		1.6	0.21	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Heptachlor epoxide	ND		1.6	0.41	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Methoxychlor	ND		3.2	0.43	ug/Kg		12/24/12 11:15	12/31/12 16:32	1
Toxaphene	ND		64	15	ug/Kg		12/24/12 11:15	12/31/12 16:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		63 - 124	12/24/12 11:15	12/31/12 16:32	1
Tetrachloro-m-xylene	86		59 - 115	12/24/12 11:15	12/31/12 16:32	1

Lab Sample ID: LCS 280-153611/2-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	16.1		ug/Kg		98	54 - 130
4,4'-DDE	16.4	15.7		ug/Kg		96	58 - 121
4,4'-DDT	16.4	16.5		ug/Kg		101	57 - 133
Aldrin	16.4	14.2		ug/Kg		86	63 - 115
alpha-BHC	16.4	14.1		ug/Kg		86	64 - 116
beta-BHC	16.4	14.5		ug/Kg		89	67 - 115
delta-BHC	16.4	15.2		ug/Kg		93	67 - 115
Dieldrin	16.4	16.2		ug/Kg		99	65 - 127
Endosulfan I	16.4	15.5		ug/Kg		94	65 - 118
Endosulfan II	16.4	16.0		ug/Kg		98	71 - 118
Endosulfan sulfate	16.4	15.8		ug/Kg		96	67 - 123
Endrin	16.4	18.2		ug/Kg		111	77 - 134
Endrin aldehyde	16.4	9.56		ug/Kg		58	47 - 115
gamma-BHC (Lindane)	16.4	14.5		ug/Kg		88	63 - 118
Heptachlor	16.4	14.1		ug/Kg		86	68 - 115
Methoxychlor	16.4	16.2		ug/Kg		99	67 - 130

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-153611/2-A

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153611

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	94		63 - 124
Tetrachloro-m-xylene	85		59 - 115

Lab Sample ID: 280-37307-1 MS

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: SE-01 - (0-2)

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				Limit	Limit
4,4'-DDD	ND		16.0	ND	D	ug/Kg	*	0	54 - 130	
4,4'-DDE	ND		16.0	15.2	D	ug/Kg	*	95	58 - 121	
4,4'-DDT	ND		16.0	15.5	D	ug/Kg	*	97	57 - 133	
Aldrin	ND		16.0	15.4	D	ug/Kg	*	96	63 - 115	
alpha-BHC	ND		16.0	16.0	D	ug/Kg	*	100	64 - 116	
beta-BHC	ND		16.0	16.5	D	ug/Kg	*	103	67 - 115	
delta-BHC	ND		16.0	16.3	D	ug/Kg	*	102	67 - 115	
Dieldrin	ND		16.0	15.1	D	ug/Kg	*	94	65 - 127	
Endosulfan I	ND		16.0	14.6	D	ug/Kg	*	91	65 - 118	
Endosulfan II	ND		16.0	14.4	D	ug/Kg	*	90	71 - 118	
Endosulfan sulfate	ND		16.0	14.4	D	ug/Kg	*	90	67 - 123	
Endrin	ND		16.0	17.4	D	ug/Kg	*	109	77 - 134	
Endrin aldehyde	ND		16.0	11.2	D	ug/Kg	*	70	47 - 115	
gamma-BHC (Lindane)	ND		16.0	15.8	D	ug/Kg	*	99	63 - 118	
Heptachlor	ND		16.0	18.5	D	ug/Kg	*	116	68 - 115	
Methoxychlor	ND		16.0	14.9	J D	ug/Kg	*	93	67 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	89	D	63 - 124
Tetrachloro-m-xylene	91	D	59 - 115

Lab Sample ID: 280-37307-1 MSD

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: SE-01 - (0-2)

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits		RPD	
				Result	Qualifier				Limit	Limit	RPD	Limit
4,4'-DDD	ND		16.9	ND	D	ug/Kg	*	0	54 - 130	NC	20	
4,4'-DDE	ND		16.9	16.7	D	ug/Kg	*	98	58 - 121	10	15	
4,4'-DDT	ND		16.9	16.7	D	ug/Kg	*	99	57 - 133	7	29	
Aldrin	ND		16.9	16.9	D	ug/Kg	*	100	63 - 115	9	50	
alpha-BHC	ND		16.9	17.5	D	ug/Kg	*	103	64 - 116	9	17	
beta-BHC	ND		16.9	18.2	D	ug/Kg	*	107	67 - 115	9	17	
delta-BHC	ND		16.9	17.9	D	ug/Kg	*	106	67 - 115	10	19	
Dieldrin	ND		16.9	16.5	D	ug/Kg	*	97	65 - 127	9	25	
Endosulfan I	ND		16.9	16.0	D	ug/Kg	*	95	65 - 118	9	26	
Endosulfan II	ND		16.9	15.6	D	ug/Kg	*	92	71 - 118	8	20	
Endosulfan sulfate	ND		16.9	15.5	D	ug/Kg	*	91	67 - 123	7	22	
Endrin	ND		16.9	19.2	D	ug/Kg	*	114	77 - 134	10	30	
Endrin aldehyde	ND		16.9	11.7	D	ug/Kg	*	69	47 - 115	4	29	
gamma-BHC (Lindane)	ND		16.9	17.3	D	ug/Kg	*	102	63 - 118	9	24	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-37307-1 MSD

Matrix: Solid

Analysis Batch: 154261

Client Sample ID: SE-01 - (0-2)

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor	ND		16.9	20.3	D	ug/Kg	*	120	68 - 115	9	18
Methoxychlor	ND		16.9	16.1	J D	ug/Kg	*	95	67 - 130	8	23

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	88	D	63 - 124
Tetrachloro-m-xylene	96	D	59 - 115

Lab Sample ID: MB 280-154525/1-A

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.54	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
4,4'-DDE	ND		1.7	0.23	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
4,4'-DDT	ND		1.7	0.58	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Aldrin	ND		1.7	0.25	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
alpha-BHC	ND		1.7	0.21	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
beta-BHC	ND		1.7	0.66	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Chlordane (n.o.s.)	ND		1.7	0.21	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
delta-BHC	ND		1.7	0.40	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Dieldrin	ND		1.7	0.21	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Endosulfan I	ND		1.7	0.17	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Endosulfan II	ND		1.7	0.28	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Endosulfan sulfate	ND		1.7	0.27	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Endrin	ND		1.7	0.30	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
gamma-BHC (Lindane)	ND		1.7	0.46	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Heptachlor	ND		1.7	0.21	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Heptachlor epoxide	ND		1.7	0.42	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Methoxychlor	ND		3.3	0.44	ug/Kg		01/03/13 20:35	01/04/13 17:00	1
Toxaphene	ND		66	16	ug/Kg		01/03/13 20:35	01/04/13 17:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		63 - 124	01/03/13 20:35	01/04/13 17:00	1
Tetrachloro-m-xylene	89		59 - 115	01/03/13 20:35	01/04/13 17:00	1

Lab Sample ID: LCS 280-154525/2-A

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	15.4	16.5		ug/Kg		107	54 - 130
4,4'-DDE	15.4	15.2		ug/Kg		99	58 - 121
4,4'-DDT	15.4	15.3		ug/Kg		99	57 - 133
Aldrin	15.4	15.2		ug/Kg		99	63 - 115
alpha-BHC	15.4	15.3		ug/Kg		100	64 - 116
beta-BHC	15.4	15.5		ug/Kg		101	67 - 115
delta-BHC	15.4	15.7		ug/Kg		102	67 - 115

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-154525/2-A

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	15.4	15.2		ug/Kg		99	65 - 127
Endosulfan I	15.4	14.7		ug/Kg		96	65 - 118
Endosulfan II	15.4	15.3		ug/Kg		100	71 - 118
Endosulfan sulfate	15.4	15.0		ug/Kg		97	67 - 123
Endrin	15.4	17.1		ug/Kg		111	77 - 134
Endrin aldehyde	15.4	13.6		ug/Kg		88	47 - 115
gamma-BHC (Lindane)	15.4	15.5		ug/Kg		100	63 - 118
Heptachlor	15.4	15.1		ug/Kg		98	68 - 115
Methoxychlor	15.4	15.6		ug/Kg		101	67 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	105		63 - 124
Tetrachloro-m-xylene	96		59 - 115

Lab Sample ID: 280-37307-2 MS

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: SE-01 - (24-26)

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		19.8	18.2		ug/Kg	☼	92	54 - 130
4,4'-DDE	ND		19.8	17.6		ug/Kg	☼	89	58 - 121
4,4'-DDT	ND		19.8	17.9		ug/Kg	☼	90	57 - 133
Aldrin	ND		19.8	17.5		ug/Kg	☼	89	63 - 115
alpha-BHC	ND		19.8	17.8		ug/Kg	☼	90	64 - 116
beta-BHC	ND		19.8	18.0		ug/Kg	☼	91	67 - 115
delta-BHC	ND		19.8	17.4		ug/Kg	☼	88	67 - 115
Dieldrin	ND		19.8	17.1		ug/Kg	☼	86	65 - 127
Endosulfan I	ND		19.8	16.3		ug/Kg	☼	82	65 - 118
Endosulfan II	ND		19.8	16.6		ug/Kg	☼	84	71 - 118
Endosulfan sulfate	ND		19.8	16.3		ug/Kg	☼	82	67 - 123
Endrin	ND		19.8	19.8		ug/Kg	☼	100	77 - 134
Endrin aldehyde	ND		19.8	9.93		ug/Kg	☼	50	47 - 115
gamma-BHC (Lindane)	ND		19.8	18.3		ug/Kg	☼	92	63 - 118
Heptachlor	ND		19.8	16.3		ug/Kg	☼	82	68 - 115
Methoxychlor	ND		19.8	17.5		ug/Kg	☼	88	67 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	86		63 - 124
Tetrachloro-m-xylene	86		59 - 115

Lab Sample ID: 280-37307-2 MSD

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: SE-01 - (24-26)

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		19.7	18.6		ug/Kg	☼	94	54 - 130	2	20
4,4'-DDE	ND		19.7	17.8		ug/Kg	☼	90	58 - 121	1	15
4,4'-DDT	ND		19.7	18.7		ug/Kg	☼	95	57 - 133	4	29

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-37307-2 MSD

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: SE-01 - (24-26)

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aldrin	ND		19.7	17.5		ug/Kg	*	89	63 - 115	0	50
alpha-BHC	ND		19.7	17.8		ug/Kg	*	90	64 - 116	0	17
beta-BHC	ND		19.7	17.7		ug/Kg	*	90	67 - 115	2	17
delta-BHC	ND		19.7	17.8		ug/Kg	*	91	67 - 115	2	19
Dieldrin	ND		19.7	17.4		ug/Kg	*	88	65 - 127	2	25
Endosulfan I	ND		19.7	16.5		ug/Kg	*	84	65 - 118	1	26
Endosulfan II	ND		19.7	17.3		ug/Kg	*	88	71 - 118	4	20
Endosulfan sulfate	ND		19.7	17.0		ug/Kg	*	86	67 - 123	4	22
Endrin	ND		19.7	20.1		ug/Kg	*	102	77 - 134	1	30
Endrin aldehyde	ND		19.7	10.7		ug/Kg	*	54	47 - 115	7	29
gamma-BHC (Lindane)	ND		19.7	18.1		ug/Kg	*	92	63 - 118	1	24
Heptachlor	ND		19.7	16.9		ug/Kg	*	86	68 - 115	4	18
Methoxychlor	ND		19.7	18.6		ug/Kg	*	94	67 - 130	6	23
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	106		63 - 124								
Tetrachloro-m-xylene	88		59 - 115								

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-153611/1-A

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153611

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		32	4.9	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1221	ND		45	15	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1232	ND		32	4.9	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1242	ND		32	8.8	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1248	ND		32	5.4	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1254	ND		32	5.3	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1260	ND		32	2.5	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1262	ND		32	11	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
PCB-1268	ND		32	3.8	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
Polychlorinated biphenyls, Total	ND		32	2.5	ug/Kg		12/24/12 11:15	01/02/13 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		59 - 130				12/24/12 11:15	01/02/13 16:52	1
Tetrachloro-m-xylene	93		53 - 128				12/24/12 11:15	01/02/13 16:52	1

Lab Sample ID: LCS 280-153611/4-A

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153611

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result				Qualifier
PCB-1016	62.1	58.7		ug/Kg		95	54 - 132
PCB-1260	62.1	54.1		ug/Kg		87	62 - 129

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 280-153611/4-A
Matrix: Solid
Analysis Batch: 154408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153611

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	84		59 - 130
Tetrachloro-m-xylene	94		53 - 128

Lab Sample ID: 280-37307-1 MS
Matrix: Solid
Analysis Batch: 154408

Client Sample ID: SE-01 - (0-2)
Prep Type: Total/NA
Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
PCB-1016	ND		68.2	50.3		ug/Kg	☼	74	54 - 132
PCB-1260	ND		68.2	34.4	F	ug/Kg	☼	50	62 - 129

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	43	X	59 - 130
Tetrachloro-m-xylene	82		53 - 128

Lab Sample ID: 280-37307-1 MSD
Matrix: Solid
Analysis Batch: 154408

Client Sample ID: SE-01 - (0-2)
Prep Type: Total/NA
Prep Batch: 153611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
PCB-1016	ND		67.8	50.0		ug/Kg	☼	74	54 - 132	1	36
PCB-1260	ND		67.8	33.3	J F	ug/Kg	☼	49	62 - 129	3	44

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	42	X	59 - 130
Tetrachloro-m-xylene	81		53 - 128

Lab Sample ID: MB 280-154525/1-A
Matrix: Solid
Analysis Batch: 154966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154525

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		33	5.0	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1221	ND		46	15	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1232	ND		33	5.1	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1242	ND		33	9.0	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1248	ND		33	5.5	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1254	ND		33	5.4	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1260	ND		33	2.6	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1262	ND		33	11	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
PCB-1268	ND		33	3.9	ug/Kg		01/03/13 20:35	01/07/13 16:43	1
Polychlorinated biphenyls, Total	ND		33	2.6	ug/Kg		01/03/13 20:35	01/07/13 16:43	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
DCB Decachlorobiphenyl	88		59 - 130	01/03/13 20:35	01/07/13 16:43	1
Tetrachloro-m-xylene	90		53 - 128	01/03/13 20:35	01/07/13 16:43	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 280-154525/3-A

Matrix: Solid

Analysis Batch: 154966

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	60.6	58.2		ug/Kg		96	54 - 132
PCB-1260	60.6	60.7		ug/Kg		100	62 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	87		59 - 130
Tetrachloro-m-xylene	91		53 - 128

Lab Sample ID: 280-37307-2 MS

Matrix: Solid

Analysis Batch: 154966

Client Sample ID: SE-01 - (24-26)

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		76.5	80.9		ug/Kg	☼	106	54 - 132
PCB-1260	ND		76.5	70.2		ug/Kg	☼	92	62 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	82		59 - 130
Tetrachloro-m-xylene	88		53 - 128

Lab Sample ID: 280-37307-2 MSD

Matrix: Solid

Analysis Batch: 154966

Client Sample ID: SE-01 - (24-26)

Prep Type: Total/NA

Prep Batch: 154525

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		79.5	84.4		ug/Kg	☼	106	54 - 132	4	36
PCB-1260	ND		79.5	77.7		ug/Kg	☼	98	62 - 129	10	44

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	83		59 - 130
Tetrachloro-m-xylene	88		53 - 128

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-153862/1-A

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		79	14	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
Dinoseb	ND		12	1.4	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
2,4,5-T	ND		20	2.3	ug/Kg		12/27/12 08:40	01/02/13 14:16	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		12/27/12 08:40	01/02/13 14:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	121	X	31 - 105	12/27/12 08:40	01/02/13 14:16	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 280-153862/2-A

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	88.0	122	*	ug/Kg		138	32 - 115
Dinoseb	88.0	13.6		ug/Kg		15	5 - 166
2,4,5-T	91.8	100		ug/Kg		109	24 - 115
Silvex (2,4,5-TP)	88.0	111		ug/Kg		126	53 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	105		31 - 105

Lab Sample ID: 280-37307-1 MS

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: SE-01 - (0-2)

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	ND	*	91.1	97.5	J D	ug/Kg	☼	107	32 - 115
Dinoseb	ND		91.1	ND	D	ug/Kg	☼	0	5 - 166
2,4,5-T	ND		95.0	93.7	J D	ug/Kg	☼	99	24 - 115
Silvex (2,4,5-TP)	ND		91.1	87.1	J D	ug/Kg	☼	96	53 - 134

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	63	D	31 - 105

Lab Sample ID: 280-37307-1 MSD

Matrix: Solid

Analysis Batch: 154361

Client Sample ID: SE-01 - (0-2)

Prep Type: Total/NA

Prep Batch: 153862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	ND	*	94.3	105	J D	ug/Kg	☼	112	32 - 115	8	40
Dinoseb	ND		94.3	ND	D	ug/Kg	☼	0	5 - 166	NC	50
2,4,5-T	ND		98.4	101	D	ug/Kg	☼	103	24 - 115	8	40
Silvex (2,4,5-TP)	ND		94.3	96.0	J D	ug/Kg	☼	102	53 - 134	10	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	90	D	31 - 105

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-153633/1-A

Matrix: Solid

Analysis Batch: 154235

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1000	76	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Cadmium	ND		500	41	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Chromium	ND		1500	58	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Lead	ND		800	270	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Selenium	ND		1300	860	ug/Kg		12/28/12 07:30	12/28/12 18:52	1
Silver	ND		1000	160	ug/Kg		12/28/12 07:30	12/28/12 18:52	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 280-153633/1-A

Matrix: Solid

Analysis Batch: 154331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2000	660	ug/Kg		12/28/12 07:30	12/31/12 15:20	1

Lab Sample ID: LCS 280-153633/2-A

Matrix: Solid

Analysis Batch: 154235

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200000	204000		ug/Kg		102	87 - 112
Cadmium	10000	11000		ug/Kg		110	87 - 110
Chromium	20000	21700		ug/Kg		108	84 - 114
Lead	50000	52100		ug/Kg		104	86 - 110
Selenium	200000	209000		ug/Kg		104	83 - 110
Silver	5000	5250		ug/Kg		105	87 - 114

Lab Sample ID: LCS 280-153633/2-A

Matrix: Solid

Analysis Batch: 154331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100000	98300		ug/Kg		98	85 - 110

Lab Sample ID: MB 280-153751/1-A

Matrix: Water

Analysis Batch: 154008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/27/12 07:30	12/28/12 03:52	1
Barium	2.09	J	10	0.58	ug/L		12/27/12 07:30	12/28/12 03:52	1
Cadmium	ND		5.0	0.45	ug/L		12/27/12 07:30	12/28/12 03:52	1
Chromium	ND		10	0.66	ug/L		12/27/12 07:30	12/28/12 03:52	1
Lead	ND		9.0	2.6	ug/L		12/27/12 07:30	12/28/12 03:52	1
Selenium	ND		15	4.9	ug/L		12/27/12 07:30	12/28/12 03:52	1
Silver	ND		10	0.93	ug/L		12/27/12 07:30	12/28/12 03:52	1

Lab Sample ID: LCS 280-153751/2-A

Matrix: Water

Analysis Batch: 154008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1030		ug/L		103	88 - 110
Barium	2000	2120		ug/L		106	90 - 112
Cadmium	100	107		ug/L		107	88 - 111
Chromium	200	203		ug/L		102	90 - 113
Lead	500	513		ug/L		103	89 - 110
Selenium	2000	1960		ug/L		98	85 - 112
Silver	50.0	51.6		ug/L		103	86 - 115

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-37307-4 MS

Matrix: Water

Analysis Batch: 154008

Client Sample ID: SE-01 - GW

Prep Type: Total/NA

Prep Batch: 153751

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Arsenic	ND		1000	1050		ug/L		105	84 - 124	
Barium	250	B	2000	2380		ug/L		107	85 - 120	
Cadmium	0.99	J	100	108		ug/L		107	82 - 119	
Chromium	7.9	J	200	212		ug/L		102	73 - 135	
Lead	12		500	509		ug/L		99	89 - 121	
Selenium	11	J	2000	1970		ug/L		98	71 - 140	
Silver	ND		50.0	52.8		ug/L		106	75 - 141	

Lab Sample ID: 280-37307-4 MSD

Matrix: Water

Analysis Batch: 154008

Client Sample ID: SE-01 - GW

Prep Type: Total/NA

Prep Batch: 153751

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Arsenic	ND		1000	1030		ug/L		103	84 - 124	2	20	
Barium	250	B	2000	2340		ug/L		105	85 - 120	2	20	
Cadmium	0.99	J	100	106		ug/L		105	82 - 119	2	20	
Chromium	7.9	J	200	207		ug/L		100	73 - 135	2	20	
Lead	12		500	499		ug/L		97	89 - 121	2	20	
Selenium	11	J	2000	1930		ug/L		96	71 - 140	2	20	
Silver	ND		50.0	51.3		ug/L		103	75 - 141	3	20	

Lab Sample ID: MB 280-153635/1-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 153635

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:30		1
Barium	ND		10	0.58	ug/L		12/28/12 12:00	12/31/12 20:30		1
Cadmium	ND		5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:30		1
Chromium	ND		10	0.66	ug/L		12/28/12 12:00	12/31/12 20:30		1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:30		1
Selenium	5.20	J	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:30		1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:30		1

Lab Sample ID: LCS 280-153635/2-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 153635

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.	
		Added	Result				Qualifier	Limits
Arsenic	1000	1050		ug/L		105	88 - 110	
Barium	2000	2080		ug/L		104	90 - 112	
Cadmium	100	109		ug/L		109	88 - 111	
Chromium	200	206		ug/L		103	90 - 113	
Lead	500	522		ug/L		104	89 - 110	
Selenium	2000	2100		ug/L		105	85 - 112	
Silver	50.0	53.6		ug/L		107	86 - 115	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-37307-4 MS
Matrix: Water
Analysis Batch: 154339

Client Sample ID: SE-01 - GW
Prep Type: Dissolved
Prep Batch: 153635

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Arsenic	ND		1000	1070		ug/L		107	84 - 124	
Barium	170		2000	2250		ug/L		104	85 - 120	
Cadmium	0.48	J	100	109		ug/L		108	82 - 119	
Chromium	ND		200	206		ug/L		103	73 - 135	
Lead	ND		500	505		ug/L		101	89 - 121	
Selenium	11	J B	2000	2070		ug/L		103	71 - 140	
Silver	ND		50.0	54.2		ug/L		108	75 - 141	

Lab Sample ID: 280-37307-4 MSD
Matrix: Water
Analysis Batch: 154339

Client Sample ID: SE-01 - GW
Prep Type: Dissolved
Prep Batch: 153635

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Arsenic	ND		1000	1040		ug/L		104	84 - 124	2	20	
Barium	170		2000	2230		ug/L		103	85 - 120	1	20	
Cadmium	0.48	J	100	107		ug/L		107	82 - 119	1	20	
Chromium	ND		200	203		ug/L		101	73 - 135	2	20	
Lead	ND		500	499		ug/L		100	89 - 121	1	20	
Selenium	11	J B	2000	2050		ug/L		102	71 - 140	1	20	
Silver	ND		50.0	53.0		ug/L		106	75 - 141	2	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-153532/1-A
Matrix: Water
Analysis Batch: 154037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153532

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0290	J	0.20	0.027	ug/L		12/27/12 12:00	12/27/12 17:55	1

Lab Sample ID: LCS 280-153532/2-A
Matrix: Water
Analysis Batch: 154037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153532

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	Limits
Mercury	5.00	4.81		ug/L		96	84 - 120	

Lab Sample ID: MB 280-154019/1-A
Matrix: Water
Analysis Batch: 154241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154019

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:15	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 280-154019/2-A
Matrix: Water
Analysis Batch: 154241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.98		ug/L		100	84 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 280-153674/1-A
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		17	5.5	ug/Kg		12/26/12 11:35	12/26/12 15:13	1

Lab Sample ID: LCS 280-153674/2-A
Matrix: Solid
Analysis Batch: 153837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	417	420		ug/Kg		101	87 - 111

Method: 1664A - Oil & Grease (HEM)

Lab Sample ID: MB 280-154288/1-A
Matrix: Water
Analysis Batch: 154310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.4	mg/L		12/31/12 12:38	12/31/12 15:42	1

Lab Sample ID: LCS 280-154288/2-A
Matrix: Water
Analysis Batch: 154310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	38.1		mg/L		95	81 - 107

Lab Sample ID: LCSD 280-154288/3-A
Matrix: Water
Analysis Batch: 154310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	36.6		mg/L		92	81 - 107	4	22

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

GC/MS VOA

Prep Batch: 153850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	5030B	
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	5030B	
LCS 280-153850/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-153850/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 153854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	8260B	153850
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	8260B	153850
LCS 280-153850/2-A	Lab Control Sample	Total/NA	Solid	8260B	153850
MB 280-153850/1-A	Method Blank	Total/NA	Solid	8260B	153850

Analysis Batch: 153872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	8260B	153919
LCS 280-153919/2-A	Lab Control Sample	Total/NA	Solid	8260B	153919
MB 280-153919/1-A	Method Blank	Total/NA	Solid	8260B	153919

Prep Batch: 153919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	5030B	
LCS 280-153919/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-153919/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 153993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	8260B	
LCS 280-153993/23	Lab Control Sample	Total/NA	Water	8260B	
MB 280-153993/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 153760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	3520C	
LCS 280-153760/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 280-153760/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 154290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	8270C	153760
LCS 280-153760/2-A	Lab Control Sample	Total/NA	Water	8270C	153760
MB 280-153760/1-A	Method Blank	Total/NA	Water	8270C	153760

GC Semi VOA

Prep Batch: 153611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	3546	
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	3546	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

GC Semi VOA (Continued)

Prep Batch: 153611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	3546	
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	3546	
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	3546	
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	3546	
LCS 280-153611/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 280-153611/4-A	Lab Control Sample	Total/NA	Solid	3546	
MB 280-153611/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 153862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	8151A	
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	8151A	
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	8151A	
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	8151A	
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	8151A	
LCS 280-153862/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 280-153862/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 154261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	8081A	153611
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	8081A	153611
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	8081A	153611
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	8081A	153611
LCS 280-153611/2-A	Lab Control Sample	Total/NA	Solid	8081A	153611
MB 280-153611/1-A	Method Blank	Total/NA	Solid	8081A	153611

Analysis Batch: 154361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	8151A	153862
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	8151A	153862
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	8151A	153862
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	8151A	153862
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	8151A	153862
LCS 280-153862/2-A	Lab Control Sample	Total/NA	Solid	8151A	153862
MB 280-153862/1-A	Method Blank	Total/NA	Solid	8151A	153862

Analysis Batch: 154408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	8082	153611
280-37307-1 MS	SE-01 - (0-2)	Total/NA	Solid	8082	153611
280-37307-1 MSD	SE-01 - (0-2)	Total/NA	Solid	8082	153611
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	8082	153611
LCS 280-153611/4-A	Lab Control Sample	Total/NA	Solid	8082	153611
MB 280-153611/1-A	Method Blank	Total/NA	Solid	8082	153611

Prep Batch: 154525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	3546	
280-37307-2 MS	SE-01 - (24-26)	Total/NA	Solid	3546	
280-37307-2 MS	SE-01 - (24-26)	Total/NA	Solid	3546	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

GC Semi VOA (Continued)

Prep Batch: 154525 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-2 MSD	SE-01 - (24-26)	Total/NA	Solid	3546	
280-37307-2 MSD	SE-01 - (24-26)	Total/NA	Solid	3546	
LCS 280-154525/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 280-154525/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 280-154525/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 154637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	8081A	154525
280-37307-2 MS	SE-01 - (24-26)	Total/NA	Solid	8081A	154525
280-37307-2 MSD	SE-01 - (24-26)	Total/NA	Solid	8081A	154525
LCS 280-154525/2-A	Lab Control Sample	Total/NA	Solid	8081A	154525
MB 280-154525/1-A	Method Blank	Total/NA	Solid	8081A	154525

Analysis Batch: 154966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	8082	154525
280-37307-2 MS	SE-01 - (24-26)	Total/NA	Solid	8082	154525
280-37307-2 MSD	SE-01 - (24-26)	Total/NA	Solid	8082	154525
LCS 280-154525/3-A	Lab Control Sample	Total/NA	Solid	8082	154525
MB 280-154525/1-A	Method Blank	Total/NA	Solid	8082	154525

Metals

Prep Batch: 153532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	7470A	
LCS 280-153532/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-153532/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 153633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	3050B	
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	3050B	
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	3050B	
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 280-153633/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 153635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Dissolved	Water	3005A	
280-37307-4 MS	SE-01 - GW	Dissolved	Water	3005A	
280-37307-4 MSD	SE-01 - GW	Dissolved	Water	3005A	
LCS 280-153635/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 280-153635/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 153674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	7471A	
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	7471A	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Metals (Continued)

Prep Batch: 153674 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	7471A	
LCS 280-153674/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 280-153674/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 153751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	3010A	
280-37307-4 MS	SE-01 - GW	Total/NA	Water	3010A	
280-37307-4 MSD	SE-01 - GW	Total/NA	Water	3010A	
LCS 280-153751/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 280-153751/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 153837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	7471A	153674
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	7471A	153674
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	7471A	153674
LCS 280-153674/2-A	Lab Control Sample	Total/NA	Solid	7471A	153674
MB 280-153674/1-A	Method Blank	Total/NA	Solid	7471A	153674

Analysis Batch: 154008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	6010B	153751
280-37307-4 MS	SE-01 - GW	Total/NA	Water	6010B	153751
280-37307-4 MSD	SE-01 - GW	Total/NA	Water	6010B	153751
LCS 280-153751/2-A	Lab Control Sample	Total/NA	Water	6010B	153751
MB 280-153751/1-A	Method Blank	Total/NA	Water	6010B	153751

Prep Batch: 154019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Dissolved	Water	7470A	
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 154037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	7470A	153532
LCS 280-153532/2-A	Lab Control Sample	Total/NA	Water	7470A	153532
MB 280-153532/1-A	Method Blank	Total/NA	Water	7470A	153532

Analysis Batch: 154235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	6010B	153633
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	6010B	153633
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	6010B	153633
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	6010B	153633
MB 280-153633/1-A	Method Blank	Total/NA	Solid	6010B	153633

Analysis Batch: 154241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Dissolved	Water	7470A	154019

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Metals (Continued)

Analysis Batch: 154241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	154019
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	154019

Analysis Batch: 154331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	6010B	153633
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	6010B	153633
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	6010B	153633
LCS 280-153633/2-A	Lab Control Sample	Total/NA	Solid	6010B	153633
MB 280-153633/1-A	Method Blank	Total/NA	Solid	6010B	153633

Analysis Batch: 154339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Dissolved	Water	6010B	153635
280-37307-4 MS	SE-01 - GW	Dissolved	Water	6010B	153635
280-37307-4 MSD	SE-01 - GW	Dissolved	Water	6010B	153635
LCS 280-153635/2-A	Lab Control Sample	Total Recoverable	Water	6010B	153635
MB 280-153635/1-A	Method Blank	Total Recoverable	Water	6010B	153635

General Chemistry

Analysis Batch: 153758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-1	SE-01 - (0-2)	Total/NA	Solid	Moisture	
280-37307-2	SE-01 - (24-26)	Total/NA	Solid	Moisture	
280-37307-3	SE-01 - (34-36)	Total/NA	Solid	Moisture	

Prep Batch: 154288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	1664A	
LCS 280-154288/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 280-154288/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
MB 280-154288/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 154310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	1664A	154288
LCS 280-154288/2-A	Lab Control Sample	Total/NA	Water	1664A	154288
LCSD 280-154288/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	154288
MB 280-154288/1-A	Method Blank	Total/NA	Water	1664A	154288

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Client Sample ID: SE-01 - (0-2)

Date Collected: 12/20/12 20:20

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-1

Matrix: Solid

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.108 g	5 mL	153850	12/26/12 16:00	LMH	TAL DEN
Total/NA	Analysis	8260B		1			153854	12/27/12 00:37	LMH	TAL DEN
Total/NA	Prep	3546			30.3 g	10000 uL	153611	12/24/12 11:15	SPF	TAL DEN
Total/NA	Analysis	8081A		5			154261	12/31/12 15:05	AMP	TAL DEN
Total/NA	Prep	8151A			51.5 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		5			154361	01/02/13 22:31	KJH	TAL DEN
Total/NA	Analysis	8082		1			154408	01/02/13 17:35	TDJ	TAL DEN
Total/NA	Prep	7471A			0.67 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:34	JM	TAL DEN
Total/NA	Prep	3050B			1.09 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:22	HEB	TAL DEN
Total/NA	Analysis	6010B		1			154331	12/31/12 15:02	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Client Sample ID: SE-01 - (24-26)

Date Collected: 12/20/12 21:08

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-2

Matrix: Solid

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.134 g	5 mL	153850	12/26/12 16:00	LMH	TAL DEN
Total/NA	Analysis	8260B		1			153854	12/27/12 01:00	LMH	TAL DEN
Total/NA	Prep	8151A			50.9 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		1			154361	01/02/13 23:38	KJH	TAL DEN
Total/NA	Prep	3546			31.8 g	10000 uL	154525	01/03/13 20:35	NC	TAL DEN
Total/NA	Analysis	8081A		1			154637	01/04/13 17:51	AMP	TAL DEN
Total/NA	Analysis	8082		1			154966	01/07/13 17:30	TDJ	TAL DEN
Total/NA	Prep	7471A			0.66 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:36	JM	TAL DEN
Total/NA	Prep	3050B			1.15 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:25	HEB	TAL DEN
Total/NA	Analysis	6010B		1			154331	12/31/12 15:04	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.416 g	5 mL	153919	12/27/12 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			153872	12/27/12 15:55	AD	TAL DEN
Total/NA	Prep	3546			31.5 g	10000 uL	153611	12/24/12 11:15	SPF	TAL DEN
Total/NA	Analysis	8081A		5			154261	12/31/12 16:15	AMP	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-2

Client Sample ID: SE-01 - (34-36)

Date Collected: 12/20/12 21:25

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-3

Matrix: Solid

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			52.7 g	10000 uL	153862	12/27/12 08:40	AA	TAL DEN
Total/NA	Analysis	8151A		1			154361	01/03/13 00:01	KJH	TAL DEN
Total/NA	Analysis	8082		1			154408	01/02/13 19:00	TDJ	TAL DEN
Total/NA	Prep	7471A			0.50 g	50 mL	153674	12/26/12 11:35	JM	TAL DEN
Total/NA	Analysis	7471A		1			153837	12/26/12 15:38	JM	TAL DEN
Total/NA	Prep	3050B			1.14 g	100 mL	153633	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:28	HEB	TAL DEN
Total/NA	Analysis	6010B		5			154331	12/31/12 15:07	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			153758	12/26/12 10:50	AFB	TAL DEN

Client Sample ID: SE-01 - GW

Date Collected: 12/20/12 23:00

Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	153993	12/28/12 15:07	TW	TAL DEN
Total/NA	Prep	3520C			1055.3 mL	1000 uL	153760	12/26/12 12:25	BMS	TAL DEN
Total/NA	Analysis	8270C		1			154290	12/31/12 21:43	DCK	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	153751	12/27/12 07:30	JA	TAL DEN
Total/NA	Analysis	6010B		1			154008	12/28/12 03:56	HEB	TAL DEN
Total/NA	Prep	7470A			30 mL	30 mL	153532	12/27/12 12:00	JM	TAL DEN
Total/NA	Analysis	7470A		1			154037	12/27/12 18:22	JM	TAL DEN
Dissolved	Prep	7470A			30 mL	30 mL	154019	12/28/12 11:15	JM	TAL DEN
Dissolved	Analysis	7470A		1			154241	12/28/12 15:26	JM	TAL DEN
Dissolved	Prep	3005A			50 mL	50 mL	153635	12/28/12 12:00	RC	TAL DEN
Dissolved	Analysis	6010B		1			154339	12/31/12 20:36	HEB	TAL DEN
Total/NA	Prep	1664A			899 mL	1000 mL	154288	12/31/12 12:38	AFB	TAL DEN
Total/NA	Analysis	1664A		1			154310	12/31/12 15:42	AFB	TAL DEN

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626
TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



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Report for:

Donna Rydberg
TestAmerica-Denver
 4955 Yarrow Street
 Arvada, CO 80002

Regarding: Project: 280-37307-2
 EML ID: 1009407

Approved by:

Dates of Analysis:
 Asbestos-EPA Method 600/R-93/116: 01-02-2013



Technical Manager
 Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



EMLab P&K

3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626
(866) 465-6653 Fax (858) 569-5806 www.emlab.com

Client: TestAmerica-Denver
C/O: Donna Rydberg
Re: 280-37307-2

Date of Sampling: 12-20-2012
Date of Receipt: 12-27-2012
Date of Report: 01-02-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 1
Total Samples Analysed: 1
Total Samples with Layer Asbestos Content > 1%: 0

Location: SE-01 - (0-2) (280-37307-1)

Lab ID-Version‡: 4511387-1

Sample Layers	Asbestos Content
Brown Soil	ND
Composite Non-Asbestos Content:	< 1% Cellulose < 1% Synthetic Fibers
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TestAmerica Denver
 4955 Yarrow Street
 Aurora, CO 80002
 Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
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Client Information (Sub Contract Lab)		Serial#:	Lab Pkg.:
Client Contact:	Shipping/Receiving	From:	Rydelberg, Dennis R
Company:	EMLAB P&K	E-Mail:	dennis.rydelberg@testamericainc.com
Address:	3506 Cardillac Ave, Suite A,	Center Tracking Note:	
City:	Costa Mesa	Date: 11/26/12 1600	
State, Zip:	CA, 92626	Requested by: [Signature]	
Phone:		Date/Time: 12.27.12	
Email:		Company: [Signature]	
Project Name:	US 6 et L-25	Date/Time: 12.27.12	
Site:		Company: [Signature]	

Due Date Requested:	11/20/13	Analysis Requested	
LAB Requested (days):			
PO #:		<p>Special Instructions Note:</p> <p>SE-01 - (0-2) (280-37307-1)</p> <p>12/20/12</p> <p>20:20</p> <p>Mountain</p> <p>Solid</p> <p>X</p>	
Project #:	28009391	<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Dispose By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Special Instructions/QC Requirements:</p>	
Site:	560WR	<p>Preservation Codes:</p> <p>A-HCl B-NaOH C-Zn Acetate D-Nitric Acid E-NH4SO4 F-NaOH G-Arsenic H-Acetic Acid I-Isr J-DI Water K-EDTA L-EDX Other:</p> <p>M-Hexane N-None O-AsHCl2 P-NH4OH Q-NH4SCN R-AsHCl3 S-H2SO4 T-TSP Dipicolhydraie U-Acetone V-MCPA W-pH 4.5 Z-other (specify)</p>	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (Composite, Grab)	Matrix (Metal, Nonmetal, Organic, Inorganic)	Analysis Requested	Special Instructions Note
SE-01 - (0-2) (280-37307-1)	12/20/12	20:20	Mountain	Solid	X	

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	12/26/12 1600	TAD	Received by:	12.27.12	[Signature]
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:			Received by:		
Custody Seals Intact:	Yes A No	Custody Seal No.:	Center Temperature(s) To and Other Remarks:		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID JM
 Temperature on Receipt 47.6
 Drinking Water? Yes No

Chain of Custody Record

TAL-4124-280 (05/08)

Client: **RMC CONSULTANTS, INC** Project Manager: **CLAUDE RAO MURRAY** Date: **12/21/12** Chain of Custody Number: **170756**
 Address: **12295 W. 48th Ave.** Telephone Number (Area Code)/Fax Number: **(303) 980 4101** Lab Number: **1** of **1**
 City: **Wheat Ridge** State: **CO** Zip Code: **80033** Site Contact: **JASON KAHLERT** Lab Contact: **DOINA RYABERG**
 Project Name and Location (State): **US6 & I-25** Carrier/Waybill Number: **8082**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Soil	Impres.	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH	
SE-01 - (0-2)	12-20-12	2020			X	4							
SE-01 - (24-26)	12-20-12	2108			X	3							
SE-01 - (34-36)	12-20-12	2125			X	3							
SE-01 - GW	12-20-12	2300	X			3	1	23					

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **STD**

1. Relinquished By: Steph M. Thompson Date: 12/21/12 Time: 1412
 2. Relinquished By: _____ Date: _____ Time: _____
 3. Relinquished By: _____ Date: _____ Time: _____

QC Requirements (Specify): _____

1. Received By: Steph M. Thompson Date: 12/21/12 Time: 1412
 2. Received By: _____ Date: _____ Time: _____
 3. Received By: _____ Date: _____ Time: _____

Comments: _____

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



Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37307-2

Login Number: 37307

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37307-3
Client Project/Site: US 6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/16/2013 2:24:47 PM

Jamie Ide
Project Mgmt. Assistant
jamie.ide@testamericainc.com

Designee for
Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

1

2

3

4

5

6

7

8

9

10

11

12

13



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
QC Sample Results	9
QC Association	10
Chronicle	11
Chain of Custody	12
Receipt Checklists	13

Case Narrative

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Job ID: 280-37307-3

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc

Project: US 6 at I-25

Report Number: 280-37307-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received at TestAmerica Denver on December 21, 2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.7°C.

Per client request on January 10th, 2013. Sample SE-01 - GW (280-37307-4) was analyzed for Total Suspended Solids outside of the recommended holding time. No other analyses associated with the original chain of custody will be found in this report.

TOTAL SUSPENDED SOLIDS

Sample SE-01 - GW (280-37307-4) was analyzed for total suspended solids in accordance with SM20 2540D. The samples were analyzed on 01/11/2013.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Client Sample ID: SE-01 - GW

Lab Sample ID: 280-37307-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	380	H	20	5.5	mg/L	1		SM 2540D	Total/NA

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Method Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-37307-4	SE-01 - GW	Water	12/20/12 23:00	12/21/12 14:12

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Client Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

General Chemistry

Client Sample ID: SE-01 - GW
Date Collected: 12/20/12 23:00
Date Received: 12/21/12 14:12

Lab Sample ID: 280-37307-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	380	H	20	5.5	mg/L			01/11/13 16:05	1

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QC Sample Results

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-155579/3

Matrix: Water

Analysis Batch: 155579

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			01/11/13 16:05	1

Lab Sample ID: LCS 280-155579/1

Matrix: Water

Analysis Batch: 155579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	92.0		mg/L		92	86 - 114

Lab Sample ID: LCSD 280-155579/2

Matrix: Water

Analysis Batch: 155579

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	100	94.0		mg/L		94	86 - 114	2	20

QC Association Summary

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

General Chemistry

Analysis Batch: 155579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37307-4	SE-01 - GW	Total/NA	Water	SM 2540D	
LCS 280-155579/1	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-155579/2	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 280-155579/3	Method Blank	Total/NA	Water	SM 2540D	

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Lab Chronicle

Client: RMC Consultants Inc
Project/Site: US 6 at I-25

TestAmerica Job ID: 280-37307-3

Client Sample ID: SE-01 - GW

Lab Sample ID: 280-37307-4

Date Collected: 12/20/12 23:00

Matrix: Water

Date Received: 12/21/12 14:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	50 mL	250 mL	155579	01/11/13 16:05	MW	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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TestAmerica

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Sampler ID JM
 Temperature on Receipt 47.6 IRF
12/21/12
 Drinking Water? Yes No

Chain of Custody Record

TAL-4124-280 (05/08)

Client: **RMC CONSULTANTS, INC** Project Manager: **CLAUDE ROO MURRAY** Date: **12/21/12** Chain of Custody Number: **170756**
 Address: **12295 W. 48th Ave.** Telephone Number (Area Code)/Fax Number: **(303) 980 4101** Lab Number: **8082** Page: **1** of **1**
 City: **Wheat Ridge** State: **CO** Zip Code: **80033** Site Contact: **JASON KAHLERT** Lab Contact: **DOINA RYABERG**
 Project Name and Location (State): **US6 & I-25** Carrier/Waybill Number: **6010/770-770** Analysis: **Asbestos** more stages needed: **6010/770-770**
 Contract/Purchase Order/Quote No. **US6 & I-25**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Soil	Impres.	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH	
SE-01 - (0-2)	12-20-12	2020			X	4							
SE-01 - (24-26)	12-20-12	2108			X	3							
SE-01 - (34-36)	12-20-12	2125			X	3							
SE-01 - GW	12-20-12	2300	X			3	1	2					

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)
 Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**
 1. Relinquished By: Steph M. Forthman Date: 12/21/12 Time: 1412
 2. Relinquished By: Steph M. Forthman Date: 12/21/12 Time: 1412
 3. Relinquished By: _____ Date: _____ Time: _____

Comments: _____



Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37307-3

Login Number: 37307

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37374-1
Client Project/Site: U.S.6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/22/2013 8:46:10 AM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-1

Job ID: 280-37374-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc.

Project: U.S.6 at I-25

Report Number: 280-37374-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Samples were received at TestAmerica Denver on December 26, 2012. The samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.1°C, 0.2°C and 2.0°C.

The sample requiring Gross A/B was subbed to the TestAmerica Richland laboratory at 2800 George Washington Way, Richland WA 99352 for analysis. The sample results will be found in this report. All other samples were logged under a separate job and will not be found in this report.

Analytical Data Package Prepared For

TestAmerica Denver

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains 18 Pages

Report No.: 54261

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
46240		NE-02-GW(280-37374-8)	J2L310413-2	MXQ2A1AC	9MXQ2A10	3002045
		NE-02-GW(280-37374-8)	J2L310413-2	MXQ2A1AA	9MXQ2A10	3002047
		SW-01-GW(280-37374-4)	J2L310413-1	MXQ191AC	9MXQ1910	3002045
		SW-01-GW(280-37374-4)	J2L310413-1	MXQ191AA	9MXQ1910	3002047

Certificate of Analysis

January 15, 2013

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002

Attention: Donna Rydberg

Date Received by Lab	:	December 31, 2012
Sample Number/Matrix	:	Two (2) Water
SDG Number	:	46240
Project	:	RMC Consultants / US 6 at I-25
Project Number	:	280-37374-1

CASE NARRATIVE

I. Introduction

On December 31, 2012, two water samples were received at the TestAmerica Richland laboratory for radiochemical analysis. Upon receipt, the samples were assigned the TestAmerica identification numbers as described on the cover page of the Analytical Data Package. The samples were assigned to Lot Number J2L310413.

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analyses requested were:

Gas Proportional Counting
Gross Alpha by method RL-GPC-001
Gross Beta by method RL-GPC-001

IV. Quality Control

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

V. Comments

Gas Proportional Counting

Gross Alpha by method RL-GPC-001:

The achieved MDA for samples exceed the CRDL due to the reduced aliquot sizes based on weight screens. The samples were counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

Gross Beta by method RL-GPC-001:

The achieved MDA for samples exceed the CRDL due to the reduced aliquot sizes based on weight screens. The samples were counted for the longest time appropriate for the method. Data is accepted. Except as noted, the LCS, batch blank, matrix spike, matrix spike duplicate, sample and sample duplicate results are within acceptance limits.

I certify that this Certificate of Analysis is in compliance with the SOW and/or NELAC, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Erika Jordan

 2013.01.18

14:33:21 -08'00'

Erika Jordan
Customer Service Manager

Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	TestAmerica Richland's SOP No.
EPA 901.1	Cs-134, I-131	RL-GAM-001
EPA 900.0	Alpha & Beta	RL-GPC-001
EPA 00-02	Gross Alpha (Coprecipitation)	RL-GPC-002
EPA 903.0	Total Alpha Radium (Ra-226)	RL-RA-002
EPA 903.1	Ra-226	RL-RA-001
EPA 904.0	Ra-228	RL-RA-001
EPA 905.0	Sr-89/90	RL-GPC-003
ASTM D6174	Uranium	RL-KPA-003
EPA 906.0	Tritium	RL-LSC-005

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, $R = \text{constants} * f(x,y,z,...)$. The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/\sqrt{n}), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) <i>u_c - Combined Uncertainty.</i>	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, <i>u_c the combined uncertainty.</i> The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \sqrt{2 * (BkgrndCnt / BkgrndCntMin) / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$. For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \sqrt{(BkgrndCnt / BkgrndCntMin) / SCntMin} + 2.71 / SCntMin) * (ConvFct / (Eff * Yld * Abn * Vol) * IngrFct)$. For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the Work Order Number.
RER	The equation Replicate Error Ratio = $(S-D) / [\sqrt{TPUs^2 + TPUD^2}]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUD is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Sample Results Summary

Date: 15-Jan-13

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 54261

SDG No: 46240

Batch	Client Id Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Tracer Yield	MDL	CRDL	RER2
3002045	RL-GPC-001								
	NE-02-GW(280-37374-8)								
	MXQ2A1AC	ALPHA	30.4 +/- 12.0		pCi/L	100%	12.3	3.0	
	NW-02-GW(280-37285-2) DUP								
	MXQTD1AD	ALPHA	138.0 +/- 42.0		pCi/L	100%	24.4	3.0	0.7
	SW-01-GW(280-37374-4)								
	MXQ191AC	ALPHA	89.8 +/- 30.0		pCi/L	100%	24.6	3.0	
3002047	RL-GPC-001								
	231892-122012(280-37267-1) DUP								
	MXQRX1AD	BETA	5.11 +/- 3.1	U	pCi/L	100%	5.26	4.0	0.3
	NE-02-GW(280-37374-8)								
	MXQ2A1AA	BETA	29.6 +/- 7.1		pCi/L	100%	8.99	4.0	
	SW-01-GW(280-37374-4)								
	MXQ191AA	BETA	96.8 +/- 17.0		pCi/L	100%	14.9	4.0	
No. of Results: 6									

TestAmerica

rptSTL RchSaSum
mary2 V5.2.23
A2002

RER2 - Replicate Error Ratio = $(S-D)/[\sqrt{sq(TPU_s)+sq(TPU_d)}]$ as defined by ICPT BOA.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdi, Total Uncert, CRDL, RDL or not identified by gamma scan software.

QC Results Summary
TestAmerica TARL
 Ordered by Method, Batch No, QC Type,.

Date: 15-Jan-13

Report No. : 54261

SDG No.: 46240

Batch	Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDL
RL-GPC-001									
3002045	BLANK QC,								
	MXQ7A1AA	ALPHA	0.570 +/- 0.44	U	pCi/L	100%			0.652
3002045	LCS,								
	MXQ7A1AC	ALPHA	37.5 +/- 8.6		pCi/L	100%	92%	-0.1	0.754
3002045	MATRIX SPIKE, SE-01-GW(280-37307-4)								
	MXQR91AD	ALPHA	311.0 +/- 82.0		pCi/L	100%	101%	0.0	11.3
RL-GPC-001									
3002047	MATRIX SPIKE, 227284-122012(280-37267-2)								
	MXQR31AD	BETA	283.0 +/- 38.0		pCi/L	100%	98%	0.0	4.98
3002047	BLANK QC,								
	MXQ7D1AA	BETA	1.09 +/- 1.0	U	pCi/L	100%			1.79
3002047	LCS,								
	MXQ7D1AC	BETA	40.7 +/- 5.7		pCi/L	100%	100%	0.0	1.84
No. of Results: 6									

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 rptSTLRchQcSummary V5.2.23 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or
 A2002 not identified by gamma scan software.

FORM I SAMPLE RESULTS

Date: 15-Jan-13

Lab Name: TestAmerica
 Lot-Sample No.: J2L310413-2
 Client Sample ID: NE-02-GW(280-37374-8)

SDG: 46240
 Report No.: 54261
 COC No.: 280-165853.1

Collection Date: 12/26/2012 1:05:00 PM
 Received Date: 12/31/2012 9:50:00 AM
 Matrix: WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Error (2 s)	Count	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Work Order: MXQ2A1AC Report DB ID: 9MXQ2A10													
Batch: 3002045	RL-GPC-001												
ALPHA	30.4		9.9	9.9	12.0	12.3 pCi/L	5.55	100%	(2.5)	1/7/13 01:33 p		0.023 L	GPC23A
Work Order: MXQ2A1AA Report DB ID: 9MXQ2A10													
Batch: 3002047	RL-GPC-001												
BETA	29.6		6.1	6.1	7.1	8.99 pCi/L	4.34	100%	(3.3)	1/7/13 04:55 p		0.0468 L	GPC26A

No. of Results: 2 Comments:

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL or not identified by gamma scan software.

TestAmerica
 rptSTL RchSample
 V5.2.23 A2002



FORM I

Date: 15-Jan-13

SAMPLE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: JZL310413-1
 Client Sample ID: SW-01-GW(280-37374-4)

SDG: 46240
 Report No.: 54261
 COC No.: 280-165853.1

Collection Date: 12/26/2012 9:45:00 AM
 Received Date: 12/31/2012 9:50:00 AM
 Matrix: WATER

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002045	RL-GPC-001											
ALPHA	89.8		22.0	30.0	24.6 pCi/L	11.1	100%	(3.7)	1/7/13 01:33 p		0.0138	GPC22D
Work Order: MXQ191AC Report DB ID: 9MXQ1910												
Batch: 3002047	RL-GPC-001											
BETA	96.8		12.0	17.0	14.9 pCi/L	7.17	100%	(6.5)	1/7/13 01:14 p		0.0279	GPC28D
Work Order: MXQ191AA Report DB ID: 9MXQ1910												
L												

No. of Results: 2 Comments:



FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280423-1
 Client Sample ID: 231892-122012(280-37267-1) DUP
 SDG: 46235
 Report No.: 54261
 COC No.: 280-165322.1
 Collection Date: 12/20/2012 10:30:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotalCert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002047	RL-GPC-001								Orig Sa DB ID: 9MXQRX10			
BETA	5.11	U	3.1	3.1	5.26	pCi/L	100%	0.97	1/7/13 01:14 p	0.0751	L	GPC26B
	5.85		RER2 0.3			4.0	(3.3)					

No. of Results: 1 Comments:

TestAmerica RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPI BOA.
 MDC(MDA, Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda/Mdl, Total Uncert, CRDL, RDL, or not identified by gamma scan software.



FORM II

Date: 15-Jan-13

DUPLICATE RESULTS

Lab Name: TestAmerica
 Lot-Sample No.: J2L280427-1
 Client Sample ID: NW-02-GW(280-37285-2) DUP
 SDG: 46237
 Report No.: 54261
 COC No.: 280-165358.1
 Collection Date: 12/20/2012 11:55:00 AM
 Received Date: 12/26/2012 11:00:00 AM
 Matrix: WATER

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 3002045	RL-GPC-001								Orig Sa DB ID: 9MXQTD10			
ALPHA	138.0		27.0	42.0	24.4	pC/L	100%	(5.7)	1/7/13 01:33 p		0.0126	GPC22C
	159.0		RER2 0.7			3.0		(6.6)			L	

No. of Results: 1 Comments:

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICFT BOA.
 MDC(MDA), i.e. - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

TestAmerica
 rpt\$TLRchDupV5.
 12.23 A2002



FORM II

Date: 15-Jan-13

BLANK RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54261

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL, Lc	Rpt Unit, CRDL	Yield	Rst/MDL, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Defector
Batch: 3002045 RL-GPC-001 Work Order: MXQ7A1AA Report DB ID: MXQ7A1AB												
ALPHA	0.570	U	0.42	0.44	0.652	pCi/L	100%	0.87	1/7/13 01:33 p	0.1988	L	GPC23B
					0.287	3.0		(2.6)				
Batch: 3002047 RL-GPC-001 Work Order: MXQ7D1AA Report DB ID: MXQ7D1AB												
BETA	1.09	U	1.0	1.0	1.79	pCi/L	100%	0.61	1/7/13 04:55 p	0.1998	L	GPC26B
					0.861	4.0		(2.1)				

No. of Results: 2 Comments:



FORM II

Date: 15-Jan-13

LCS RESULTS

Lab Name: TestAmerica SDG: 46240
 Matrix: WATER Report No.: 54261

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDL	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 3002045 RL-GPC-001 Work Order: MXQ7A1AC Report DB ID: MXQ7A1CS													
ALPHA	37.5		2.1	8.6	0.754	pCi/L	100%	40.6	0.42	92%	1/7/13 01:33 p	0.2002	GPC23C
Rec Limits: 70 130 -0.1													
Batch: 3002047 RL-GPC-001 Work Order: MXQ7D1AC Report DB ID: MXQ7D1CS													
BETA	40.7		2.3	5.7	1.84	pCi/L	100%	40.8	1.6	100%	1/7/13 04:55 p	0.2007	GPC26C
Rec Limits: 70 130 0.0													

No. of Results: 2 Comments:

TestAmerica Bias -(Result/Expected)-1 as defined by ANSI N13.30.

TestAmerica
 rptSTLRchLcs
 01/15/2013 10:23 A2002



FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46235 Matrix: WATER
 Lot-Sample No.: JZL280423-2, 227284-122012(280-37267-2) Report No.: 54261

Parameter	SpikeResult, Orig Rst	Count	Qual Error (2 s)	Total Uncert(2 s)	MDC(MDA)	Rpt Unit, CRDL	Yield	Recovery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002047	Work Order: MXQR31AD			Report DB ID: MXQR31DW		Orig Sa DB ID: 9MXQR310						
BETA	283.0	9.4		38.0	4.98	pCi/L	100%	98.33%	288.0	17/13 01:14 p	0.078	RL-GPC-001
	3.71								11.0		L	GPC26D

Number of Results: 1

Comments:

RER - Replicate Error Ratio = $(S-D)/[\sqrt{(sq(TPUs)+sq(TPUD))}]$ as defined by ICPT BOA
 Bias - $(Result/Expected)-1$ as defined by ANSI N13.30.



FORM II

Date: 15-Jan-13

MATRIX SPIKE RESULTS

Lab Name: TestAmerica SDG: 46236 Matrix: WATER
 Lot-Sample No.: J2L280426-1, SE-01-GW(280-37307-4) Report No.: 54261

Parameter	SpikeResult, Orig Rst	Count Error (2 s)	Total Uncert(2 s)	MDC(MDA)	Rpt Unit, CRDL	Yield	Recovery	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 3002045	Work Order: MXQR91AD	23.0	82.0	11.3	pCi/L	100%	101.47%	306.0	1/7/13 01:33 p	0.0265	RL-GPC-001
ALPHA	311.0	22.2						3.2		L	GPC22A

Number of Results: 1

Comments:

TestAmerica RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA
 Bias - (Result/Expected)-1 as defined by ANSI N13.30.

ptSTLRchMs
 1/5.2.23 A2002



TestAmerica Denver
 4955 Yarrow Street
 Arvada, CO 80002
 Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab) Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 2800 George Washington Way, City: Richland State, Zip: WA, 99352 Phone: 509-375-3131 (Tel) 509-375-5590 (Fax) Email: Project Name: U.S.6 at J-25 Site:		Lab Pmt: Rycberg, Donna R E-Mail: donna.rycberg@testamericainc.com Carrier Tracking No(s): COC No: 280-165853.1 Page: Page 1 of 1 Job #: 280-37374-1	
Due Date Requested: 12/21/2013 TAT Requested (days): PO #: WO #: Project #: 28009391 SSOW#:		Analysis Requested SUBCONTRACT/ Gross Alpha (Method 900.0) SUBCONTRACT/ Gross Beta (Method 900.0)	
Sample Identification - Client ID (Lab ID) SW-01-GW (280-37374-4) <i>MXQ19</i> NE-02-GW (280-37374-8) <i>MXQ2A</i> <i>SAL310413</i> <i>SDU-46240</i> <i>Due 1-28-13</i>		Matrix (V=water, S=solid, O=other, B=BT-Test, A=AT) Sample Type (C=comp, G=grab) Sample Date Sample Time Matrix Water Water	
SW-01-GW (280-37374-4) <i>MXQ19</i> NE-02-GW (280-37374-8) <i>MXQ2A</i>		X X	
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Empty Kit Relinquished by:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Relinquished by: <i>Donna Rycberg</i> Relinquished by: Relinquished by:		Received by: <i>Marie Box</i> Received by: Received by:	
Date/Time: <i>12/21/13 1600</i> Date/Time: Date/Time:		Date/Time: <i>12-31-12/0900</i> Date/Time: Date/Time:	
Company: <i>JAD</i> Company: Company:		Company: <i>TALC</i> Company: Company:	
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No:		Cooler Temperature: <input type="checkbox"/> Card Other Remarks:	



Sample Check-in List

Date/Time Received: 12-31-12 / 0950 GM Screen Result: (Airlock) .06 Initials BS
(Sample Receiving) .06 Initials BS

Client: STLD SDG #: 46240 NA SAF #: _____ NA

Lot Number: J2L310413

Chain of Custody # 280-165853.1

Shipping Container ID: _____ NA

Samples received inside shipping container/cooler/box Yes Continue with 1 through 4. Initial appropriate response.
No Go to 5, add comment to #16.

- 1. Custody Seals on shipping container intact? Yes No No Custody Seal
- 2. Custody Seals dated and signed? Yes No No Custody Seal
- 3. Cooler temperature: _____ °C NA
- 4. Vermiculite/packing materials is NA Wet Dry

Item 5 through 16 for samples. Initial appropriate response.

- 5. Chain of Custody record present? Yes No
- 6. Number of samples received (Each sample may contain multiple bottles): 2
- 7. Containers received: 2 x LP

8. Sample holding times exceeded? NA Yes No

9. Samples have:
 tape hazard labels
 custody seals appropriate sample labels

10. Matrix:
 A (FLT, Wipe, Solid, Soil) I (Water)
 S (Air, Niosh 7400) T (Biological, Ni-63)

11. Samples:
 are in good condition _____ are leaking
 are broken _____ have air bubbles (Only for samples requiring no head space)
 Other _____

12. Sample pH appropriate for analysis requested Yes No NA
 (If acidification is necessary, then document sample ID, initial pH, amount of HNO₃ added and pH after addition on table overleaf)

RPL ID # of preservative used: N/A

13. Were any anomalies identified in sample receipt? Yes No

14. Description of anomalies (include sample numbers): NA

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15. Sample Location, Sample Collector Listed on COC? * Yes No
*For documentation only. No corrective action needed.

16. Additional Information: N/A

Client/Courier denied temperature check. Client/Courier unpack cooler.

Sample Custodian: *[Signature]* Date: 12-31-12

Client Informed on _____ by _____ Person contacted _____

No action necessary; process as is
Project Manager *[Signature]* Date 1/2/13

SAMPLE ID	Initial pH	Acid Amt	Final pH	SAMPLE ID	Initial pH	Acid Amt	Final pH
<i>[Signature]</i>				<i>[Signature]</i>			
<u>12-31-12</u>				<u>12-31-12</u>			

Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37374-1

Login Number: 37374

List Number: 1

Creator: Underwood, Tim

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Sampler ID JK
 Temperature on Receipt 21.0
 Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAL-4124-280 (05/08)

Client RMC Consultants, Inc	Project Manager Claude Murray	Date 12/26/12	Chain of Custody Number 170750
Address 12295 W 48th Ave Unit A	Telephone Number (Area Code)/Fax Number 303.980.4101	Lab Number	Page 1 of 1
City Wheat Ridge	State CO	Zip Code 80033	
Project Name and Location (State) US6 at F-25	Site Contact Jason Kahleft	Lab Contact Donna Rydberg	
Contract/Purchase Order/Quote No. 612.023154	Carrier/Waybill Number Hand Delivered		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sol.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
SW-01-0	12/26/12	0803		X				4						8260B (6108/7470A) 8270C (6108/7470A) PH/TS5 OHS 51035 A/B	
SW-01-4		0812		X				3							
SW-01-11		0819		X				3							
SW-01-GW		0945	X					5	Z	Z	3				
NE-02-0		1114		X				4							
NE-02-4		1126		X				3							
NE-02-9		1132		X				3							
NE-02-GW		1305	X					5	Z	Z	3				

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months Disposal By _____ (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

1. Relinquished By **Steve Maul** Date **12/26/12** Time **1705**
 Relinquished By **Steve Maul** Date **12/26/12** Time **1705**

2. Relinquished By _____ Date _____ Time _____
 Relinquished By **Anderson** Date **12-26-12** Time **1705**

3. Relinquished By _____ Date _____ Time _____
 Relinquished By _____ Date _____ Time _____

Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-37374-2
Client Project/Site: U.S.6 at I-25

For:
RMC Consultants Inc
12295 W 48th Avenue
Unit A
Wheat Ridge, Colorado 80033

Attn: Jason L Kahlert



Authorized for release by:
1/18/2013 11:52:53 AM

Donna Rydberg
Project Manager II
donna.rydberg@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	7
Detection Summary	9
Method Summary	12
Sample Summary	13
Client Sample Results	14
QC Sample Results	40
QC Association	76
Chronicle	83
Subcontract Data	87
Receipt Checklists	90
Chain of Custody	91

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Job ID: 280-37374-2

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: RMC Consultants Inc.

Project: U.S.6 at I-25

Report Number: 280-37374-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Samples were received at TestAmerica Denver on December 26, 2012. The samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.1°C, 0.2°C and 2.0°C.

The sample requiring Gross A/B was subbed to the TestAmerica Richland laboratory at 2800 George Washington Way, Richland WA 99352 for analysis. This sample was logged and will be reported under a separate job (280-37374-1). Data will not be found in this report.

The report for the Asbestos sample will be found at the back of this report.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SOLID

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Several spike and surrogate recoveries were outside control limits in the MS and MSD associated with batch 153872. This MS/MSD batch was performed on a sample from another client and/or job. The associated LCS was in control and provides evidence that operating procedures were in control.

Cyclohexane and Methylcyclohexane were detected in method blank MB 280-154297/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged.

Several spike recoveries were outside control limits in the MS and MSD associated with batch 154301. The associated LCS was in control and provides evidence that operating procedures were in control.

Bromoform was detected in method blank MB 280-154326/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged.

Several spike recoveries were outside control limits in the MS and MSD associated with batch 154355. The associated LCS was in control and provides evidence that operating procedures were in control.

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Job ID: 280-37374-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

The MS and MSD spike recoveries for 2-Hexanone failed the recovery criteria high in batch 154317. The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C.

Matrix spike samples were not requested and they could not be performed due to insufficient sample volume. The acceptable LCS and LCSD provide evidence of batch precision and accuracy.

No difficulties were encountered during the SVOC analyses.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES - SOLIDS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A.

Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. Samples SW-01-0 (280-37374-1)[5X], NE-02-0 (280-37374-5)[200X], NE-02-4 (280-37374-6)[10X] and NE-02-9 (280-37374-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. The surrogate recoveries for sample NE-02-0 (280-37374-5) were diluted below reportable limits.

Chlordane (n.o.s.) was detected in method blank MB 280-153994/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Several spike recoveries and RPD values were outside control limits in the MS and MSD associated with batch 280-154637. The associated LCS was in control and demonstrates that operating procedures were in control. No further action was required.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - SOLIDS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082.

The percent recovery for surrogate DCB Decachlorobiphenyl failed the surrogate recovery criteria low in sample SW-01-0 (280-37374-1). The percent recovery for surrogate Tetrachloro-m-xylene was in control. There is chromatographic evidence of matrix interference. Therefore, re-extraction and/or re-analysis was not performed.

Sample SW-01-0 (280-37374-1) contained more than one Aroclor component. Results are estimated due to shared peaks.

No other difficulties were encountered during the PCBs analyses.

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Job ID: 280-37374-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES - SOLIDS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A.

Samples SW-01-0 (280-37374-1) and NE-02-0 (280-37374-5) required a 5X dilution prior to analysis due to sample extracts being dark yellow in color. The dilutions were performed to protect the integrity of the instrument. The reporting limits have been adjusted accordingly.

Several spike recoveries were outside control limits in the MS and MSD associated with batch 280-154642 and performed on sample SW-01-0 (280-37374-1). The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the herbicides analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/28/2012 and analyzed on 12/31/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for dissolved metals in accordance with EPA SW-846 Method 6010B.

Barium was detected in method blank MB 280-153929/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated samples reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the dissolved metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for total metals in accordance with EPA SW-846 Method 6010B.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A.

No difficulties were encountered during the dissolved mercury analyses.

All quality control parameters were within the acceptance limits.

Case Narrative

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Job ID: 280-37374-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

TOTAL MERCURY - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A.

The MS and MSD spike recoveries for Mercury failed the recovery criteria high in batch 154241. The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - SOLIDS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A.

The MS spike recovery and the RPD value for Mercury failed the recovery criteria in batch 154492. The associated LCS was in control and provides evidence that operating procedures were in control. No further action was required.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

OIL AND GREASE (HEM) - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for oil and grease (HEM) in accordance with EPA Method 1664A.

No difficulties were encountered during the oil and grease analyses.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for total suspended solids in accordance with SM20 2540D. Samples were analyzed at a dilution due to high TSS results. The reporting limits were raised accordingly.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

PH - WATERS

Samples SW-01-GW (280-37374-4) and NE-02-GW (280-37374-8) were analyzed for pH in accordance with EPA SW-846 9040C.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples SW-01-0 (280-37374-1), SW-01-4 (280-37374-2), SW-01-11 (280-37374-3), NE-02-0 (280-37374-5), NE-02-4 (280-37374-6) and NE-02-9 (280-37374-7) were analyzed for percent solids in accordance with EPA SW846 3550C.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits
B	Compound was found in the blank and sample.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	RPD of the MS and MSD exceeds the control limits
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

TestAmerica Denver

Definitions/Glossary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: SW-01-0

Lab Sample ID: 280-37374-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.56	J B	6.5	0.52	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	1.3	J B	6.5	0.54	ug/Kg	1	☼	8260B	Total/NA
4,4'-DDE	1.5	J p	8.7	1.2	ug/Kg	5	☼	8081A	Total/NA
4,4'-DDT	12	p	8.7	3.0	ug/Kg	5	☼	8081A	Total/NA
Chlordane (n.o.s.)	2.8	J B p	8.7	1.1	ug/Kg	5	☼	8081A	Total/NA
Dieldrin	5.7	J	8.7	1.1	ug/Kg	5	☼	8081A	Total/NA
PCB-1254	61		34	5.7	ug/Kg	1	☼	8082	Total/NA
PCB-1260	64		34	2.7	ug/Kg	1	☼	8082	Total/NA
Polychlorinated biphenyls, Total	120		34	2.7	ug/Kg	1	☼	8082	Total/NA
Arsenic	3500		1900	620	ug/Kg	1	☼	6010B	Total/NA
Barium	160000		940	71	ug/Kg	1	☼	6010B	Total/NA
Cadmium	170	J	470	38	ug/Kg	1	☼	6010B	Total/NA
Chromium	10000		1400	54	ug/Kg	1	☼	6010B	Total/NA
Lead	35000		750	250	ug/Kg	1	☼	6010B	Total/NA
Selenium	880	J	1200	810	ug/Kg	1	☼	6010B	Total/NA
Mercury	19		17	5.5	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: SW-01-4

Lab Sample ID: 280-37374-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	2.0		1.8	0.26	ug/Kg	1	☼	8081A	Total/NA
4,4'-DDT	2.0	p	1.8	0.64	ug/Kg	1	☼	8081A	Total/NA
Chlordane (n.o.s.)	1.5	J B	1.8	0.23	ug/Kg	1	☼	8081A	Total/NA
Dieldrin	0.43	J	1.8	0.23	ug/Kg	1	☼	8081A	Total/NA
Heptachlor epoxide	0.68	J	1.8	0.46	ug/Kg	1	☼	8081A	Total/NA
Arsenic	6000		2200	720	ug/Kg	1	☼	6010B	Total/NA
Barium	110000		1100	83	ug/Kg	1	☼	6010B	Total/NA
Cadmium	76	J	540	45	ug/Kg	1	☼	6010B	Total/NA
Chromium	8400		1600	63	ug/Kg	1	☼	6010B	Total/NA
Lead	37000		870	290	ug/Kg	1	☼	6010B	Total/NA
Mercury	20		20	6.6	ug/Kg	1	☼	7471A	Total/NA

Client Sample ID: SW-01-11

Lab Sample ID: 280-37374-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	800	J	1800	590	ug/Kg	1	☼	6010B	Total/NA
Barium	19000		890	68	ug/Kg	1	☼	6010B	Total/NA
Chromium	1100	J	1300	52	ug/Kg	1	☼	6010B	Total/NA
Lead	1500		710	240	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: SW-01-GW

Lab Sample ID: 280-37374-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.30	J	1.0	0.16	ug/L	1		8260B	Total/NA
Arsenic	7.2	J	15	4.4	ug/L	1		6010B	Total/NA
Barium	430		10	0.58	ug/L	1		6010B	Total/NA
Cadmium	0.68	J	5.0	0.45	ug/L	1		6010B	Total/NA
Chromium	28		10	0.66	ug/L	1		6010B	Total/NA
Lead	21		9.0	2.6	ug/L	1		6010B	Total/NA
Selenium	12	J	15	4.9	ug/L	1		6010B	Total/NA
Barium	170	B	10	0.58	ug/L	1		6010B	Dissolved
Chromium	1.3	J	10	0.66	ug/L	1		6010B	Dissolved

TestAmerica Denver

Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: SW-01-GW (Continued)

Lab Sample ID: 280-37374-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	11	J	15	4.9	ug/L	1		6010B	Dissolved
Total Suspended Solids	1400		40	11	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH adj. to 25 deg C	7.05	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.0	HF	1.00	1.00	Degrees C	1		9040C	Total/NA

Client Sample ID: NE-02-0

Lab Sample ID: 280-37374-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromoform	0.33	J B	4.9	0.23	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	2.0	J	4.9	1.6	ug/Kg	1	*	8260B	Total/NA
4,4'-DDD	140	J	340	110	ug/Kg	200	*	8081A	Total/NA
4,4'-DDE	1900		340	48	ug/Kg	200	*	8081A	Total/NA
4,4'-DDT	2700		340	120	ug/Kg	200	*	8081A	Total/NA
Arsenic	6000		2100	710	ug/Kg	1	*	6010B	Total/NA
Barium	330000		1100	81	ug/Kg	1	*	6010B	Total/NA
Cadmium	520	J	540	44	ug/Kg	1	*	6010B	Total/NA
Chromium	10000		1600	62	ug/Kg	1	*	6010B	Total/NA
Lead	170000		860	290	ug/Kg	1	*	6010B	Total/NA
Selenium	1300	J	1400	920	ug/Kg	1	*	6010B	Total/NA
Silver	400	J	1100	170	ug/Kg	1	*	6010B	Total/NA
Mercury	580		18	6.0	ug/Kg	1	*	7471A	Total/NA

Client Sample ID: NE-02-4

Lab Sample ID: 280-37374-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	J	22	5.9	ug/Kg	1	*	8260B	Total/NA
Bromoform	0.36	J B	5.5	0.25	ug/Kg	1	*	8260B	Total/NA
4,4'-DDE	58		18	2.5	ug/Kg	10	*	8081A	Total/NA
4,4'-DDT	98		18	6.2	ug/Kg	10	*	8081A	Total/NA
Arsenic	3900		2100	700	ug/Kg	1	*	6010B	Total/NA
Barium	100000		1100	81	ug/Kg	1	*	6010B	Total/NA
Cadmium	120	J	530	43	ug/Kg	1	*	6010B	Total/NA
Chromium	9000		1600	61	ug/Kg	1	*	6010B	Total/NA
Lead	28000		850	290	ug/Kg	1	*	6010B	Total/NA
Mercury	14	J	20	6.4	ug/Kg	1	*	7471A	Total/NA

Client Sample ID: NE-02-9

Lab Sample ID: 280-37374-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	19	5.0	ug/Kg	1	*	8260B	Total/NA
Bromoform	0.29	J B	4.7	0.22	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	1.6	J	4.7	1.5	ug/Kg	1	*	8260B	Total/NA
Tetrachloroethene	0.90	J	4.7	0.55	ug/Kg	1	*	8260B	Total/NA
4,4'-DDE	18		8.6	1.2	ug/Kg	5	*	8081A	Total/NA
4,4'-DDT	40		8.6	3.0	ug/Kg	5	*	8081A	Total/NA
Arsenic	2100		2000	660	ug/Kg	1	*	6010B	Total/NA
Barium	34000		1000	76	ug/Kg	1	*	6010B	Total/NA
Cadmium	48	J	500	41	ug/Kg	1	*	6010B	Total/NA
Chromium	3300		1500	58	ug/Kg	1	*	6010B	Total/NA
Lead	8100		800	270	ug/Kg	1	*	6010B	Total/NA
Mercury	9.0	J	17	5.6	ug/Kg	1	*	7471A	Total/NA

TestAmerica Denver

Detection Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: NE-02-GW

Lab Sample ID: 280-37374-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.4	J	10	1.9	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.29	J	5.0	0.25	ug/L	1		8260B	Total/NA
Barium	310		10	0.58	ug/L	1		6010B	Total/NA
Cadmium	0.58	J	5.0	0.45	ug/L	1		6010B	Total/NA
Chromium	38		10	0.66	ug/L	1		6010B	Total/NA
Lead	11		9.0	2.6	ug/L	1		6010B	Total/NA
Selenium	9.7	J	15	4.9	ug/L	1		6010B	Total/NA
Barium	150	B	10	0.58	ug/L	1		6010B	Dissolved
Cadmium	0.49	J	5.0	0.45	ug/L	1		6010B	Dissolved
Chromium	0.85	J	10	0.66	ug/L	1		6010B	Dissolved
Selenium	9.6	J	15	4.9	ug/L	1		6010B	Dissolved
Total Suspended Solids	1000		40	11	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH adj. to 25 deg C	7.24	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.0	HF	1.00	1.00	Degrees C	1		9040C	Total/NA

Method Summary

Client: RMC Consultants Inc
 Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
7471A	Mercury (CVAA)	SW846	TAL DEN
1664A	Oil & Grease (HEM)	EPA	TAL DEN
9040C	pH	SW846	TAL DEN
Moisture	Percent Moisture	EPA	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
Asbestos (PLM)	General Sub Contract Method	NONE	EMLab-OC

Protocol References:

EPA = US Environmental Protection Agency

NONE = NONE

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-37374-1	SW-01-0	Solid	12/26/12 08:03	12/26/12 17:05
280-37374-2	SW-01-4	Solid	12/26/12 08:12	12/26/12 17:05
280-37374-3	SW-01-11	Solid	12/26/12 08:19	12/26/12 17:05
280-37374-4	SW-01-GW	Water	12/26/12 09:45	12/26/12 17:05
280-37374-5	NE-02-0	Solid	12/26/12 11:14	12/26/12 17:05
280-37374-6	NE-02-4	Solid	12/26/12 11:26	12/26/12 17:05
280-37374-7	NE-02-9	Solid	12/26/12 11:32	12/26/12 17:05
280-37374-8	NE-02-GW	Water	12/26/12 13:05	12/26/12 17:05



Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: SW-01-0

Date Collected: 12/26/12 08:03

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1

Matrix: Solid

Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.9	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
2-Butanone (MEK)	ND		26	2.4	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Benzene	ND		6.5	0.61	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chlorobenzene	ND		6.5	0.70	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Carbon disulfide	ND		6.5	0.54	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Carbon tetrachloride	ND		6.5	0.81	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Cyclohexane	0.56	J B	6.5	0.52	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2-Dibromo-3-Chloropropane	ND		13	0.77	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Bromomethane	ND		13	0.65	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Bromoform	ND		6.5	0.30	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chloroethane	ND		13	1.1	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chloroform	ND		13	0.37	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chlorobromomethane	ND		6.5	0.39	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Dichlorobromomethane	ND		6.5	0.28	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chlorodibromomethane	ND		6.5	0.74	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Isopropylbenzene	ND		6.5	0.76	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
2-Hexanone	ND		26	6.3	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Chloromethane	ND		13	0.99	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Dichlorodifluoromethane	ND		13	0.67	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
trans-1,2-Dichloroethene	ND		3.2	0.50	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
trans-1,3-Dichloropropene	ND		6.5	0.86	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Methylene Chloride	ND		6.5	2.1	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Methyl acetate	ND		13	3.5	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Methyl tert-butyl ether	ND		26	0.44	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		26	5.6	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Methylcyclohexane	1.3	J B	6.5	0.54	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Styrene	ND		6.5	0.81	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1,2,2-Tetrachloroethane	ND		6.5	0.79	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2,3-Trichlorobenzene	ND		6.5	0.97	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2,4-Trichlorobenzene	ND		6.5	0.94	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Toluene	ND		6.5	0.89	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1,1-Trichloroethane	ND		6.5	0.67	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1,2-Trichloroethane	ND		6.5	1.1	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Trichloroethene	ND		6.5	0.30	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1,2-Trichlorotrifluoroethane	ND		26	0.58	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Vinyl chloride	ND		6.5	1.7	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
m-Xylene & p-Xylene	ND		3.2	1.3	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
o-Xylene	ND		3.2	0.79	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
Tetrachloroethene	ND		6.5	0.76	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2-Dichlorobenzene	ND		6.5	0.58	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,3-Dichlorobenzene	ND		6.5	0.62	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,4-Dichlorobenzene	ND		6.5	1.0	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
cis-1,2-Dichloroethene	ND		3.2	0.72	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
cis-1,3-Dichloropropene	ND		6.5	1.7	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1-Dichloroethane	ND		6.5	0.27	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,1-Dichloroethene	ND		6.5	0.76	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2-Dichloroethane	ND		6.5	0.90	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,2-Dichloropropane	ND		6.5	0.71	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1
1,4-Dioxane	ND		650	72	ug/Kg	*	12/31/12 06:00	12/31/12 18:05	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		6.5	0.86	ug/Kg	☼	12/31/12 06:00	12/31/12 18:05	1
1,2-Dibromoethane	ND		6.5	0.67	ug/Kg	☼	12/31/12 06:00	12/31/12 18:05	1
Trichlorofluoromethane	ND		13	1.3	ug/Kg	☼	12/31/12 06:00	12/31/12 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		58 - 140				12/31/12 06:00	12/31/12 18:05	1
Toluene-d8 (Surr)	105		80 - 126				12/31/12 06:00	12/31/12 18:05	1
4-Bromofluorobenzene (Surr)	98		76 - 127				12/31/12 06:00	12/31/12 18:05	1
Dibromofluoromethane (Surr)	94		75 - 121				12/31/12 06:00	12/31/12 18:05	1

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	7.2	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
2-Butanone (MEK)	ND		27	2.4	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Benzene	ND		6.7	0.63	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chlorobenzene	ND		6.7	0.72	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Carbon disulfide	ND		6.7	0.56	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Carbon tetrachloride	ND		6.7	0.84	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Cyclohexane	ND		6.7	0.53	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2-Dibromo-3-Chloropropane	ND		13	0.80	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Bromomethane	ND		13	0.67	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Bromoform	ND		6.7	0.31	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chloroethane	ND		13	1.2	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chloroform	ND		13	0.39	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chlorobromomethane	ND		6.7	0.40	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Dichlorobromomethane	ND		6.7	0.29	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chlorodibromomethane	ND		6.7	0.76	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Isopropylbenzene	ND		6.7	0.79	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
2-Hexanone	ND		27	6.5	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Chloromethane	ND		13	1.0	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Dichlorodifluoromethane	ND		13	0.69	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
trans-1,2-Dichloroethene	ND		3.3	0.52	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
trans-1,3-Dichloropropene	ND		6.7	0.89	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Methylene Chloride	ND		6.7	2.1	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Methyl acetate	ND		13	3.7	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Methyl tert-butyl ether	ND		27	0.45	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		27	5.8	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Methylcyclohexane	ND		6.7	0.56	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Styrene	ND		6.7	0.84	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1,2,2-Tetrachloroethane	ND		6.7	0.81	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2,3-Trichlorobenzene	ND		6.7	1.0	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2,4-Trichlorobenzene	ND		6.7	0.97	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Toluene	ND		6.7	0.92	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1,1-Trichloroethane	ND		6.7	0.69	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1,2-Trichloroethane	ND		6.7	1.2	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Trichloroethene	ND		6.7	0.31	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1,2-Trichlorotrifluoroethane	ND		27	0.60	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Vinyl chloride	ND		6.7	1.8	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		3.3	1.4	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
o-Xylene	ND		3.3	0.81	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Tetrachloroethene	ND		6.7	0.79	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2-Dichlorobenzene	ND		6.7	0.60	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,3-Dichlorobenzene	ND		6.7	0.64	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,4-Dichlorobenzene	ND		6.7	1.0	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
cis-1,2-Dichloroethene	ND		3.3	0.75	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
cis-1,3-Dichloropropene	ND		6.7	1.7	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1-Dichloroethane	ND		6.7	0.28	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,1-Dichloroethene	ND		6.7	0.79	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2-Dichloroethane	ND		6.7	0.93	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2-Dichloropropane	ND		6.7	0.73	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,4-Dioxane	ND		670	75	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Ethylbenzene	ND		6.7	0.89	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
1,2-Dibromoethane	ND		6.7	0.69	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1
Trichlorofluoromethane	ND		13	1.4	ug/Kg	☼	12/27/12 06:00	12/27/12 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 140	12/27/12 06:00	12/27/12 18:28	1
Toluene-d8 (Surr)	110		80 - 126	12/27/12 06:00	12/27/12 18:28	1
4-Bromofluorobenzene (Surr)	108		76 - 127	12/27/12 06:00	12/27/12 18:28	1
Dibromofluoromethane (Surr)	91		75 - 121	12/27/12 06:00	12/27/12 18:28	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	5.0	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
2-Butanone (MEK)	ND		19	1.7	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Benzene	ND		4.7	0.44	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chlorobenzene	ND		4.7	0.50	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Carbon disulfide	ND		4.7	0.39	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Carbon tetrachloride	ND		4.7	0.59	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Cyclohexane	ND		4.7	0.37	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2-Dibromo-3-Chloropropane	ND		9.3	0.56	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Bromomethane	ND		9.3	0.47	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Bromoform	ND		4.7	0.21	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chloroethane	ND		9.3	0.83	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chloroform	ND		9.3	0.27	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chlorobromomethane	ND		4.7	0.28	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Dichlorobromomethane	ND		4.7	0.21	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chlorodibromomethane	ND		4.7	0.53	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Isopropylbenzene	ND		4.7	0.55	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
2-Hexanone	ND		19	4.6	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Chloromethane	ND		9.3	0.72	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Dichlorodifluoromethane	ND		9.3	0.49	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
trans-1,2-Dichloroethene	ND		2.3	0.36	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
trans-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Methylene Chloride	ND		4.7	1.5	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Methyl acetate	ND		9.3	2.6	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		19	0.32	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		19	4.1	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Methylcyclohexane	ND		4.7	0.39	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Styrene	ND		4.7	0.59	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.57	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2,3-Trichlorobenzene	ND		4.7	0.70	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2,4-Trichlorobenzene	ND		4.7	0.68	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Toluene	ND		4.7	0.64	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1,1-Trichloroethane	ND		4.7	0.49	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1,2-Trichloroethane	ND		4.7	0.82	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Trichloroethene	ND		4.7	0.21	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1,2-Trichlorotrifluoroethane	ND		19	0.42	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Vinyl chloride	ND		4.7	1.3	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
m-Xylene & p-Xylene	ND		2.3	0.97	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
o-Xylene	ND		2.3	0.57	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Tetrachloroethene	ND		4.7	0.55	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2-Dichlorobenzene	ND		4.7	0.42	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,3-Dichlorobenzene	ND		4.7	0.45	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,4-Dichlorobenzene	ND		4.7	0.73	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
cis-1,2-Dichloroethene	ND		2.3	0.52	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
cis-1,3-Dichloropropene	ND		4.7	1.2	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1-Dichloroethane	ND		4.7	0.20	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,1-Dichloroethene	ND		4.7	0.55	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2-Dichloroethane	ND		4.7	0.65	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,4-Dioxane	ND		470	52	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Ethylbenzene	ND		4.7	0.63	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
1,2-Dibromoethane	ND		4.7	0.49	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Trichlorofluoromethane	ND		9.3	0.97	ug/Kg	☼	12/27/12 06:00	12/27/12 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		58 - 140				12/27/12 06:00	12/27/12 18:47	1
Toluene-d8 (Surr)	110		80 - 126				12/27/12 06:00	12/27/12 18:47	1
4-Bromofluorobenzene (Surr)	107		76 - 127				12/27/12 06:00	12/27/12 18:47	1
Dibromofluoromethane (Surr)	91		75 - 121				12/27/12 06:00	12/27/12 18:47	1

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			01/02/13 13:04	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			01/02/13 13:04	1
Benzene	ND		1.0	0.16	ug/L			01/02/13 13:04	1
Chlorobenzene	ND		1.0	0.17	ug/L			01/02/13 13:04	1
Carbon disulfide	ND		2.0	0.45	ug/L			01/02/13 13:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			01/02/13 13:04	1
Cyclohexane	ND		2.0	0.28	ug/L			01/02/13 13:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			01/02/13 13:04	1
Bromomethane	ND		2.0	0.21	ug/L			01/02/13 13:04	1
Bromoform	ND		1.0	0.19	ug/L			01/02/13 13:04	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0	0.41	ug/L			01/02/13 13:04	1
Chloroform	0.30	J	1.0	0.16	ug/L			01/02/13 13:04	1
Chlorobromomethane	ND		1.0	0.10	ug/L			01/02/13 13:04	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			01/02/13 13:04	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			01/02/13 13:04	1
Isopropylbenzene	ND		1.0	0.19	ug/L			01/02/13 13:04	1
2-Hexanone	ND		5.0	1.7	ug/L			01/02/13 13:04	1
Chloromethane	ND		2.0	0.30	ug/L			01/02/13 13:04	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			01/02/13 13:04	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 13:04	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			01/02/13 13:04	1
Methylene Chloride	ND		2.0	0.32	ug/L			01/02/13 13:04	1
Methyl acetate	ND		5.0	1.6	ug/L			01/02/13 13:04	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			01/02/13 13:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			01/02/13 13:04	1
Methylcyclohexane	ND		1.0	0.36	ug/L			01/02/13 13:04	1
Styrene	ND		1.0	0.17	ug/L			01/02/13 13:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/02/13 13:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 13:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 13:04	1
Toluene	ND		1.0	0.17	ug/L			01/02/13 13:04	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			01/02/13 13:04	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			01/02/13 13:04	1
Trichloroethene	ND		1.0	0.16	ug/L			01/02/13 13:04	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			01/02/13 13:04	1
Vinyl chloride	ND		1.0	0.10	ug/L			01/02/13 13:04	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			01/02/13 13:04	1
o-Xylene	ND		1.0	0.19	ug/L			01/02/13 13:04	1
Tetrachloroethene	ND		1.0	0.20	ug/L			01/02/13 13:04	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			01/02/13 13:04	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			01/02/13 13:04	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			01/02/13 13:04	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 13:04	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			01/02/13 13:04	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			01/02/13 13:04	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			01/02/13 13:04	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			01/02/13 13:04	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			01/02/13 13:04	1
1,4-Dioxane	ND		200	57	ug/L			01/02/13 13:04	1
Ethylbenzene	ND		1.0	0.16	ug/L			01/02/13 13:04	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			01/02/13 13:04	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			01/02/13 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		70 - 127					01/02/13 13:04	1
Toluene-d8 (Surr)	97		80 - 125					01/02/13 13:04	1
4-Bromofluorobenzene (Surr)	100		78 - 120					01/02/13 13:04	1
Dibromofluoromethane (Surr)	84		77 - 120					01/02/13 13:04	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.3	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Benzene	ND		4.9	0.46	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chlorobenzene	ND		4.9	0.53	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Carbon disulfide	ND		4.9	0.41	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Carbon tetrachloride	ND		4.9	0.62	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Cyclohexane	ND		4.9	0.39	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2-Dibromo-3-Chloropropane	ND		9.8	0.59	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Bromomethane	ND		9.8	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Bromoform	0.33	J B	4.9	0.23	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chloroethane	ND		9.8	0.88	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chloroform	ND		9.8	0.29	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chlorobromomethane	ND		4.9	0.30	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Dichlorobromomethane	ND		4.9	0.22	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chlorodibromomethane	ND		4.9	0.56	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Isopropylbenzene	ND		4.9	0.58	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
2-Hexanone	ND		20	4.8	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Chloromethane	ND		9.8	0.76	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Dichlorodifluoromethane	ND		9.8	0.51	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
trans-1,2-Dichloroethene	ND		2.5	0.38	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
trans-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Methylene Chloride	2.0	J	4.9	1.6	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Methyl acetate	ND		9.8	2.7	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Methyl tert-butyl ether	ND		20	0.33	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.3	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Methylcyclohexane	ND		4.9	0.41	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Styrene	ND		4.9	0.62	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.60	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2,3-Trichlorobenzene	ND		4.9	0.74	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2,4-Trichlorobenzene	ND		4.9	0.72	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Toluene	ND		4.9	0.68	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1,1-Trichloroethane	ND		4.9	0.51	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1,2-Trichloroethane	ND		4.9	0.87	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Trichloroethene	ND		4.9	0.23	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.44	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Vinyl chloride	ND		4.9	1.3	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
o-Xylene	ND		2.5	0.60	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Tetrachloroethene	ND		4.9	0.58	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2-Dichlorobenzene	ND		4.9	0.44	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,3-Dichlorobenzene	ND		4.9	0.47	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,4-Dichlorobenzene	ND		4.9	0.77	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
cis-1,2-Dichloroethene	ND		2.5	0.55	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
cis-1,3-Dichloropropene	ND		4.9	1.3	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1-Dichloroethane	ND		4.9	0.21	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,1-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2-Dichloroethane	ND		4.9	0.69	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,4-Dioxane	ND		490	55	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.9	0.66	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
1,2-Dibromoethane	ND		4.9	0.51	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Trichlorofluoromethane	ND		9.8	1.0	ug/Kg	☼	01/02/13 06:00	01/02/13 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		58 - 140				01/02/13 06:00	01/02/13 17:34	1
Toluene-d8 (Surr)	97		80 - 126				01/02/13 06:00	01/02/13 17:34	1
4-Bromofluorobenzene (Surr)	115		76 - 127				01/02/13 06:00	01/02/13 17:34	1
Dibromofluoromethane (Surr)	86		75 - 121				01/02/13 06:00	01/02/13 17:34	1

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.4	J	22	5.9	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
2-Butanone (MEK)	ND		22	2.0	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Benzene	ND		5.5	0.51	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chlorobenzene	ND		5.5	0.59	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Carbon disulfide	ND		5.5	0.46	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Carbon tetrachloride	ND		5.5	0.69	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Cyclohexane	ND		5.5	0.44	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2-Dibromo-3-Chloropropane	ND		11	0.66	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Bromomethane	ND		11	0.55	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Bromoform	0.36	J B	5.5	0.25	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chloroethane	ND		11	0.97	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chloroform	ND		11	0.32	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chlorobromomethane	ND		5.5	0.33	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Dichlorobromomethane	ND		5.5	0.24	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chlorodibromomethane	ND		5.5	0.62	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Isopropylbenzene	ND		5.5	0.65	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
2-Hexanone	ND		22	5.4	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Chloromethane	ND		11	0.84	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Dichlorodifluoromethane	ND		11	0.57	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
trans-1,2-Dichloroethene	ND		2.7	0.43	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
trans-1,3-Dichloropropene	ND		5.5	0.73	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Methylene Chloride	ND		5.5	1.8	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Methyl acetate	ND		11	3.0	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Methyl tert-butyl ether	ND		22	0.37	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
4-Methyl-2-pentanone (MIBK)	ND		22	4.8	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Methylcyclohexane	ND		5.5	0.46	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Styrene	ND		5.5	0.69	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.67	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2,3-Trichlorobenzene	ND		5.5	0.82	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2,4-Trichlorobenzene	ND		5.5	0.80	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Toluene	ND		5.5	0.76	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1,1-Trichloroethane	ND		5.5	0.57	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1,2-Trichloroethane	ND		5.5	0.96	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Trichloroethene	ND		5.5	0.25	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1,2-Trichlorotrifluoroethane	ND		22	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Vinyl chloride	ND		5.5	1.5	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.7	1.1	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
o-Xylene	ND		2.7	0.67	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Tetrachloroethene	ND		5.5	0.65	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2-Dichlorobenzene	ND		5.5	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,3-Dichlorobenzene	ND		5.5	0.53	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,4-Dichlorobenzene	ND		5.5	0.85	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
cis-1,2-Dichloroethene	ND		2.7	0.61	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
cis-1,3-Dichloropropene	ND		5.5	1.4	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1-Dichloroethane	ND		5.5	0.23	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,1-Dichloroethene	ND		5.5	0.65	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2-Dichloroethane	ND		5.5	0.77	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,4-Dioxane	ND		550	61	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Ethylbenzene	ND		5.5	0.73	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
1,2-Dibromoethane	ND		5.5	0.57	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Trichlorofluoromethane	ND		11	1.1	ug/Kg	☼	01/02/13 06:00	01/02/13 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		58 - 140				01/02/13 06:00	01/02/13 18:16	1
Toluene-d8 (Surr)	91		80 - 126				01/02/13 06:00	01/02/13 18:16	1
4-Bromofluorobenzene (Surr)	102		76 - 127				01/02/13 06:00	01/02/13 18:16	1
Dibromofluoromethane (Surr)	85		75 - 121				01/02/13 06:00	01/02/13 18:16	1

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13	J	19	5.0	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
2-Butanone (MEK)	ND		19	1.7	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Benzene	ND		4.7	0.44	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chlorobenzene	ND		4.7	0.51	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Carbon disulfide	ND		4.7	0.39	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Carbon tetrachloride	ND		4.7	0.59	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Cyclohexane	ND		4.7	0.37	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2-Dibromo-3-Chloropropane	ND		9.4	0.56	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Bromomethane	ND		9.4	0.47	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Bromoform	0.29	J B	4.7	0.22	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chloroethane	ND		9.4	0.83	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chloroform	ND		9.4	0.27	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chlorobromomethane	ND		4.7	0.28	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Dichlorobromomethane	ND		4.7	0.21	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chlorodibromomethane	ND		4.7	0.53	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Isopropylbenzene	ND		4.7	0.55	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
2-Hexanone	ND		19	4.6	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Chloromethane	ND		9.4	0.72	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Dichlorodifluoromethane	ND		9.4	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
trans-1,2-Dichloroethene	ND		2.3	0.37	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
trans-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Methylene Chloride	1.6	J	4.7	1.5	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Methyl acetate	ND		9.4	2.6	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		19	0.32	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		19	4.1	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Methylcyclohexane	ND		4.7	0.39	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Styrene	ND		4.7	0.59	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.57	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2,3-Trichlorobenzene	ND		4.7	0.70	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2,4-Trichlorobenzene	ND		4.7	0.68	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Toluene	ND		4.7	0.65	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1,1-Trichloroethane	ND		4.7	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1,2-Trichloroethane	ND		4.7	0.82	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Trichloroethene	ND		4.7	0.22	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1,2-Trichlorotrifluoroethane	ND		19	0.42	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Vinyl chloride	ND		4.7	1.3	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
m-Xylene & p-Xylene	ND		2.3	0.97	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
o-Xylene	ND		2.3	0.57	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Tetrachloroethene	0.90	J	4.7	0.55	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2-Dichlorobenzene	ND		4.7	0.42	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,3-Dichlorobenzene	ND		4.7	0.45	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,4-Dichlorobenzene	ND		4.7	0.73	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
cis-1,2-Dichloroethene	ND		2.3	0.52	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
cis-1,3-Dichloropropene	ND		4.7	1.2	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1-Dichloroethane	ND		4.7	0.20	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,1-Dichloroethene	ND		4.7	0.55	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2-Dichloroethane	ND		4.7	0.66	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2-Dichloropropane	ND		4.7	0.52	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,4-Dioxane	ND		470	53	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Ethylbenzene	ND		4.7	0.63	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
1,2-Dibromoethane	ND		4.7	0.49	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Trichlorofluoromethane	ND		9.4	0.97	ug/Kg	☼	01/02/13 06:00	01/02/13 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		58 - 140				01/02/13 06:00	01/02/13 17:55	1
Toluene-d8 (Surr)	95		80 - 126				01/02/13 06:00	01/02/13 17:55	1
4-Bromofluorobenzene (Surr)	116		76 - 127				01/02/13 06:00	01/02/13 17:55	1
Dibromofluoromethane (Surr)	86		75 - 121				01/02/13 06:00	01/02/13 17:55	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.4	J	10	1.9	ug/L			01/02/13 13:33	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			01/02/13 13:33	1
Benzene	ND		1.0	0.16	ug/L			01/02/13 13:33	1
Chlorobenzene	ND		1.0	0.17	ug/L			01/02/13 13:33	1
Carbon disulfide	ND		2.0	0.45	ug/L			01/02/13 13:33	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			01/02/13 13:33	1
Cyclohexane	ND		2.0	0.28	ug/L			01/02/13 13:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			01/02/13 13:33	1
Bromomethane	ND		2.0	0.21	ug/L			01/02/13 13:33	1
Bromoform	ND		1.0	0.19	ug/L			01/02/13 13:33	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0	0.41	ug/L			01/02/13 13:33	1
Chloroform	ND		1.0	0.16	ug/L			01/02/13 13:33	1
Chlorobromomethane	ND		1.0	0.10	ug/L			01/02/13 13:33	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			01/02/13 13:33	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			01/02/13 13:33	1
Isopropylbenzene	ND		1.0	0.19	ug/L			01/02/13 13:33	1
2-Hexanone	ND		5.0	1.7	ug/L			01/02/13 13:33	1
Chloromethane	ND		2.0	0.30	ug/L			01/02/13 13:33	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			01/02/13 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 13:33	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			01/02/13 13:33	1
Methylene Chloride	ND		2.0	0.32	ug/L			01/02/13 13:33	1
Methyl acetate	ND		5.0	1.6	ug/L			01/02/13 13:33	1
Methyl tert-butyl ether	0.29	J	5.0	0.25	ug/L			01/02/13 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			01/02/13 13:33	1
Methylcyclohexane	ND		1.0	0.36	ug/L			01/02/13 13:33	1
Styrene	ND		1.0	0.17	ug/L			01/02/13 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/02/13 13:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 13:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 13:33	1
Toluene	ND		1.0	0.17	ug/L			01/02/13 13:33	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			01/02/13 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			01/02/13 13:33	1
Trichloroethene	ND		1.0	0.16	ug/L			01/02/13 13:33	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			01/02/13 13:33	1
Vinyl chloride	ND		1.0	0.10	ug/L			01/02/13 13:33	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			01/02/13 13:33	1
o-Xylene	ND		1.0	0.19	ug/L			01/02/13 13:33	1
Tetrachloroethene	ND		1.0	0.20	ug/L			01/02/13 13:33	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			01/02/13 13:33	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			01/02/13 13:33	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			01/02/13 13:33	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			01/02/13 13:33	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			01/02/13 13:33	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			01/02/13 13:33	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			01/02/13 13:33	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			01/02/13 13:33	1
1,4-Dioxane	ND		200	57	ug/L			01/02/13 13:33	1
Ethylbenzene	ND		1.0	0.16	ug/L			01/02/13 13:33	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			01/02/13 13:33	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			01/02/13 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 127					01/02/13 13:33	1
Toluene-d8 (Surr)	100		80 - 125					01/02/13 13:33	1
4-Bromofluorobenzene (Surr)	103		78 - 120					01/02/13 13:33	1
Dibromofluoromethane (Surr)	83		77 - 120					01/02/13 13:33	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.6	1.7	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,2,4,5-Tetrachlorobenzene	ND		9.6	1.7	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,2,4-Trichlorobenzene	ND		3.8	0.27	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,2-Dichlorobenzene	ND		3.8	0.22	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,3-Dichlorobenzene	ND		9.6	0.29	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,4-Dichlorobenzene	ND		3.8	0.31	ug/L		12/28/12 11:36	12/31/12 23:21	1
1,4-Dioxane	ND		19	1.6	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4,6-Trichlorophenol	ND		9.6	0.28	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4-Dichlorophenol	ND		9.6	0.61	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,2'-oxybis[1-chloropropane]	ND		9.6	0.27	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,3,4,6-Tetrachlorophenol	ND		48	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4,5-Trichlorophenol	ND		9.6	0.43	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4-Dimethylphenol	ND		9.6	0.55	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4-Dinitrophenol	ND		29	9.6	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		12/28/12 11:36	12/31/12 23:21	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Chloronaphthalene	ND		3.8	0.25	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Chlorophenol	ND		9.6	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Methylnaphthalene	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Methylphenol	ND		9.6	0.94	ug/L		12/28/12 11:36	12/31/12 23:21	1
3 & 4 Methylphenol	ND		9.6	0.24	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Nitroaniline	ND		9.6	1.7	ug/L		12/28/12 11:36	12/31/12 23:21	1
2-Nitrophenol	ND		9.6	0.37	ug/L		12/28/12 11:36	12/31/12 23:21	1
3,3'-Dichlorobenzidine	ND		48	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
3-Nitroaniline	ND		9.6	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
4,6-Dinitro-2-methylphenol	ND		48	3.8	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Bromophenyl phenyl ether	ND		9.6	0.41	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Chloro-3-methylphenol	ND		9.6	2.3	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Chloroaniline	ND		9.6	2.0	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Chlorophenyl phenyl ether	ND		9.6	1.6	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Nitroaniline	ND		9.6	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
4-Nitrophenol	ND		9.6	1.2	ug/L		12/28/12 11:36	12/31/12 23:21	1
Acenaphthene	ND		3.8	0.27	ug/L		12/28/12 11:36	12/31/12 23:21	1
Acenaphthylene	ND		3.8	0.47	ug/L		12/28/12 11:36	12/31/12 23:21	1
Acetophenone	ND		9.6	0.23	ug/L		12/28/12 11:36	12/31/12 23:21	1
Anthracene	ND		3.8	0.40	ug/L		12/28/12 11:36	12/31/12 23:21	1
Atrazine	ND		9.6	0.70	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzaldehyde	ND		9.6	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzo[a]pyrene	ND		3.8	0.30	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzo[b]fluoranthene	ND		3.8	0.51	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzo[g,h,i]perylene	ND		3.8	0.48	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzo[k]fluoranthene	ND		3.8	0.44	ug/L		12/28/12 11:36	12/31/12 23:21	1
Benzo[a]anthracene	ND		3.8	0.33	ug/L		12/28/12 11:36	12/31/12 23:21	1
Bis(2-chloroethoxy)methane	ND		9.6	0.93	ug/L		12/28/12 11:36	12/31/12 23:21	1
Bis(2-chloroethyl)ether	ND		9.6	0.39	ug/L		12/28/12 11:36	12/31/12 23:21	1
Bis(2-ethylhexyl) phthalate	ND		9.6	0.54	ug/L		12/28/12 11:36	12/31/12 23:21	1
Butyl benzyl phthalate	ND		3.8	0.96	ug/L		12/28/12 11:36	12/31/12 23:21	1
Caprolactam	ND		9.6	4.8	ug/L		12/28/12 11:36	12/31/12 23:21	1
Carbazole	ND		3.8	0.41	ug/L		12/28/12 11:36	12/31/12 23:21	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		3.8	0.52	ug/L		12/28/12 11:36	12/31/12 23:21	1
Dibenz(a,h)anthracene	ND		3.8	0.49	ug/L		12/28/12 11:36	12/31/12 23:21	1
Di-n-butyl phthalate	ND		3.8	1.1	ug/L		12/28/12 11:36	12/31/12 23:21	1
Di-n-octyl phthalate	ND		3.8	0.33	ug/L		12/28/12 11:36	12/31/12 23:21	1
Dibenzofuran	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:21	1
Diethyl phthalate	ND		3.8	0.36	ug/L		12/28/12 11:36	12/31/12 23:21	1
Dimethyl phthalate	ND		3.8	0.20	ug/L		12/28/12 11:36	12/31/12 23:21	1
Fluoranthene	ND		3.8	0.19	ug/L		12/28/12 11:36	12/31/12 23:21	1
Fluorene	ND		3.8	0.30	ug/L		12/28/12 11:36	12/31/12 23:21	1
Hexachlorobenzene	ND		9.6	0.63	ug/L		12/28/12 11:36	12/31/12 23:21	1
Hexachlorobutadiene	ND		9.6	3.2	ug/L		12/28/12 11:36	12/31/12 23:21	1
Hexachlorocyclopentadiene	ND		48	9.6	ug/L		12/28/12 11:36	12/31/12 23:21	1
Hexachloroethane	ND		9.6	2.0	ug/L		12/28/12 11:36	12/31/12 23:21	1
Indeno[1,2,3-cd]pyrene	ND		3.8	0.62	ug/L		12/28/12 11:36	12/31/12 23:21	1
Isophorone	ND		9.6	0.20	ug/L		12/28/12 11:36	12/31/12 23:21	1
N-Nitrosodi-n-propylamine	ND		9.6	0.33	ug/L		12/28/12 11:36	12/31/12 23:21	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		9.6	0.42	ug/L		12/28/12 11:36	12/31/12 23:21	1
Naphthalene	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:21	1
Nitrobenzene	ND		9.6	0.77	ug/L		12/28/12 11:36	12/31/12 23:21	1
Pentachlorophenol	ND		48	19	ug/L		12/28/12 11:36	12/31/12 23:21	1
Phenanthrene	ND		3.8	0.25	ug/L		12/28/12 11:36	12/31/12 23:21	1
Phenol	ND		9.6	1.9	ug/L		12/28/12 11:36	12/31/12 23:21	1
Pyrene	ND		9.6	0.35	ug/L		12/28/12 11:36	12/31/12 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	74		51 - 120	12/28/12 11:36	12/31/12 23:21	1
Phenol-d5	79		51 - 120	12/28/12 11:36	12/31/12 23:21	1
2,4,6-Tribromophenol	96		57 - 120	12/28/12 11:36	12/31/12 23:21	1
2-Fluorobiphenyl	82		38 - 120	12/28/12 11:36	12/31/12 23:21	1
Nitrobenzene-d5	85		48 - 120	12/28/12 11:36	12/31/12 23:21	1
Terphenyl-d14	74		50 - 120	12/28/12 11:36	12/31/12 23:21	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.5	1.7	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,2,4,5-Tetrachlorobenzene	ND		9.5	1.7	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,2,4-Trichlorobenzene	ND		3.8	0.27	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,2-Dichlorobenzene	ND		3.8	0.22	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,3-Dichlorobenzene	ND		9.5	0.29	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,4-Dichlorobenzene	ND		3.8	0.31	ug/L		12/28/12 11:36	12/31/12 23:40	1
1,4-Dioxane	ND		19	1.6	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,4,6-Trichlorophenol	ND		9.5	0.28	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,4-Dichlorophenol	ND		9.5	0.61	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,2'-oxybis[1-chloropropane]	ND		9.5	0.27	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,3,4,6-Tetrachlorophenol	ND		48	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,4,5-Trichlorophenol	ND		9.5	0.43	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,4-Dimethylphenol	ND		9.5	0.55	ug/L		12/28/12 11:36	12/31/12 23:40	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		29	9.5	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,4-Dinitrotoluene	ND		9.5	1.6	ug/L		12/28/12 11:36	12/31/12 23:40	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Chloronaphthalene	ND		3.8	0.25	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Chlorophenol	ND		9.5	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Methylnaphthalene	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Methylphenol	ND		9.5	0.93	ug/L		12/28/12 11:36	12/31/12 23:40	1
3 & 4 Methylphenol	ND		9.5	0.24	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Nitroaniline	ND		9.5	1.7	ug/L		12/28/12 11:36	12/31/12 23:40	1
2-Nitrophenol	ND		9.5	0.37	ug/L		12/28/12 11:36	12/31/12 23:40	1
3,3'-Dichlorobenzidine	ND		48	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
3-Nitroaniline	ND		9.5	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
4,6-Dinitro-2-methylphenol	ND		48	3.8	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Bromophenyl phenyl ether	ND		9.5	0.41	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Chloro-3-methylphenol	ND		9.5	2.3	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Chloroaniline	ND		9.5	2.0	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Chlorophenyl phenyl ether	ND		9.5	1.6	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Nitroaniline	ND		9.5	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
4-Nitrophenol	ND		9.5	1.2	ug/L		12/28/12 11:36	12/31/12 23:40	1
Acenaphthene	ND		3.8	0.27	ug/L		12/28/12 11:36	12/31/12 23:40	1
Acenaphthylene	ND		3.8	0.47	ug/L		12/28/12 11:36	12/31/12 23:40	1
Acetophenone	ND		9.5	0.23	ug/L		12/28/12 11:36	12/31/12 23:40	1
Anthracene	ND		3.8	0.40	ug/L		12/28/12 11:36	12/31/12 23:40	1
Atrazine	ND		9.5	0.70	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzaldehyde	ND		9.5	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzo[a]pyrene	ND		3.8	0.30	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzo[b]fluoranthene	ND		3.8	0.51	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzo[g,h,i]perylene	ND		3.8	0.48	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzo[k]fluoranthene	ND		3.8	0.44	ug/L		12/28/12 11:36	12/31/12 23:40	1
Benzo[a]anthracene	ND		3.8	0.33	ug/L		12/28/12 11:36	12/31/12 23:40	1
Bis(2-chloroethoxy)methane	ND		9.5	0.93	ug/L		12/28/12 11:36	12/31/12 23:40	1
Bis(2-chloroethyl)ether	ND		9.5	0.39	ug/L		12/28/12 11:36	12/31/12 23:40	1
Bis(2-ethylhexyl) phthalate	ND		9.5	0.53	ug/L		12/28/12 11:36	12/31/12 23:40	1
Butyl benzyl phthalate	ND		3.8	0.95	ug/L		12/28/12 11:36	12/31/12 23:40	1
Caprolactam	ND		9.5	4.8	ug/L		12/28/12 11:36	12/31/12 23:40	1
Carbazole	ND		3.8	0.41	ug/L		12/28/12 11:36	12/31/12 23:40	1
Chrysene	ND		3.8	0.52	ug/L		12/28/12 11:36	12/31/12 23:40	1
Dibenz(a,h)anthracene	ND		3.8	0.49	ug/L		12/28/12 11:36	12/31/12 23:40	1
Di-n-butyl phthalate	ND		3.8	1.1	ug/L		12/28/12 11:36	12/31/12 23:40	1
Di-n-octyl phthalate	ND		3.8	0.33	ug/L		12/28/12 11:36	12/31/12 23:40	1
Dibenzofuran	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:40	1
Diethyl phthalate	ND		3.8	0.36	ug/L		12/28/12 11:36	12/31/12 23:40	1
Dimethyl phthalate	ND		3.8	0.20	ug/L		12/28/12 11:36	12/31/12 23:40	1
Fluoranthene	ND		3.8	0.19	ug/L		12/28/12 11:36	12/31/12 23:40	1
Fluorene	ND		3.8	0.30	ug/L		12/28/12 11:36	12/31/12 23:40	1
Hexachlorobenzene	ND		9.5	0.63	ug/L		12/28/12 11:36	12/31/12 23:40	1
Hexachlorobutadiene	ND		9.5	3.1	ug/L		12/28/12 11:36	12/31/12 23:40	1
Hexachlorocyclopentadiene	ND		48	9.5	ug/L		12/28/12 11:36	12/31/12 23:40	1
Hexachloroethane	ND		9.5	2.0	ug/L		12/28/12 11:36	12/31/12 23:40	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		3.8	0.62	ug/L		12/28/12 11:36	12/31/12 23:40	1
Isophorone	ND		9.5	0.20	ug/L		12/28/12 11:36	12/31/12 23:40	1
N-Nitrosodi-n-propylamine	ND		9.5	0.33	ug/L		12/28/12 11:36	12/31/12 23:40	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		9.5	0.42	ug/L		12/28/12 11:36	12/31/12 23:40	1
Naphthalene	ND		3.8	0.28	ug/L		12/28/12 11:36	12/31/12 23:40	1
Nitrobenzene	ND		9.5	0.77	ug/L		12/28/12 11:36	12/31/12 23:40	1
Pentachlorophenol	ND		48	19	ug/L		12/28/12 11:36	12/31/12 23:40	1
Phenanthrene	ND		3.8	0.25	ug/L		12/28/12 11:36	12/31/12 23:40	1
Phenol	ND		9.5	1.9	ug/L		12/28/12 11:36	12/31/12 23:40	1
Pyrene	ND		9.5	0.35	ug/L		12/28/12 11:36	12/31/12 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	74		51 - 120				12/28/12 11:36	12/31/12 23:40	1
Phenol-d5	79		51 - 120				12/28/12 11:36	12/31/12 23:40	1
2,4,6-Tribromophenol	94		57 - 120				12/28/12 11:36	12/31/12 23:40	1
2-Fluorobiphenyl	81		38 - 120				12/28/12 11:36	12/31/12 23:40	1
Nitrobenzene-d5	83		48 - 120				12/28/12 11:36	12/31/12 23:40	1
Terphenyl-d14	79		50 - 120				12/28/12 11:36	12/31/12 23:40	1

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.7	2.8	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
4,4'-DDE	1.5	J p	8.7	1.2	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
4,4'-DDT	12	p	8.7	3.0	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Aldrin	ND		8.7	1.3	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
alpha-BHC	ND		8.7	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
beta-BHC	ND		8.7	3.4	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Chlordane (n.o.s.)	2.8	J B p	8.7	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
delta-BHC	ND		8.7	2.1	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Dieldrin	5.7	J	8.7	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Endosulfan I	ND		8.7	0.90	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Endosulfan II	ND		8.7	1.5	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Endosulfan sulfate	ND		8.7	1.4	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Endrin	ND		8.7	1.6	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Endrin aldehyde	ND		8.7	0.88	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
gamma-BHC (Lindane)	ND		8.7	2.4	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Heptachlor	ND		8.7	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Heptachlor epoxide	ND		8.7	2.2	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Methoxychlor	ND		17	2.3	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Toxaphene	ND		340	81	ug/Kg	☼	12/28/12 09:48	01/04/13 12:49	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107	D	63 - 124				12/28/12 09:48	01/04/13 12:49	5
Tetrachloro-m-xylene	84	D	59 - 115				12/28/12 09:48	01/04/13 12:49	5

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.59	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
4,4'-DDE	2.0		1.8	0.26	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
4,4'-DDT	2.0	p	1.8	0.64	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Aldrin	ND		1.8	0.27	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
alpha-BHC	ND		1.8	0.23	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
beta-BHC	ND		1.8	0.72	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Chlordane (n.o.s.)	1.5	J B	1.8	0.23	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
delta-BHC	ND		1.8	0.43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Dieldrin	0.43	J	1.8	0.23	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Endosulfan I	ND		1.8	0.19	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Endosulfan sulfate	ND		1.8	0.30	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Endrin	ND		1.8	0.33	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Endrin aldehyde	ND		1.8	0.19	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
gamma-BHC (Lindane)	ND		1.8	0.50	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Heptachlor	ND		1.8	0.23	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Heptachlor epoxide	0.68	J	1.8	0.46	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Methoxychlor	ND		3.6	0.49	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1
Toxaphene	ND		73	17	ug/Kg	☼	12/28/12 09:48	01/04/13 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		63 - 124	12/28/12 09:48	01/04/13 13:05	1
Tetrachloro-m-xylene	82		59 - 115	12/28/12 09:48	01/04/13 13:05	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.52	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
4,4'-DDE	ND		1.6	0.23	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
4,4'-DDT	ND		1.6	0.56	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Aldrin	ND		1.6	0.24	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
alpha-BHC	ND		1.6	0.20	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
beta-BHC	ND		1.6	0.63	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Chlordane (n.o.s.)	ND		1.6	0.20	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
delta-BHC	ND		1.6	0.38	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Dieldrin	ND		1.6	0.20	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Endosulfan I	ND		1.6	0.17	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Endosulfan II	ND		1.6	0.27	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Endosulfan sulfate	ND		1.6	0.26	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Endrin	ND		1.6	0.29	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Endrin aldehyde	ND		1.6	0.16	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
gamma-BHC (Lindane)	ND		1.6	0.44	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Heptachlor	ND		1.6	0.20	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Heptachlor epoxide	ND		1.6	0.41	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Methoxychlor	ND		3.1	0.43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1
Toxaphene	ND		64	15	ug/Kg	☼	12/28/12 09:48	01/04/13 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107		63 - 124	12/28/12 09:48	01/04/13 13:22	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		59 - 115	12/28/12 09:48	01/04/13 13:22	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	140	J	340	110	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
4,4'-DDE	1900		340	48	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
4,4'-DDT	2700		340	120	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Aldrin	ND		340	51	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
alpha-BHC	ND		340	43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
beta-BHC	ND		340	130	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Chlordane (n.o.s.)	ND		340	43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
delta-BHC	ND		340	81	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Dieldrin	ND		340	43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Endosulfan I	ND		340	36	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Endosulfan II	ND		340	58	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Endosulfan sulfate	ND		340	56	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Endrin	ND		340	62	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Endrin aldehyde	ND		340	35	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
gamma-BHC (Lindane)	ND		340	94	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Heptachlor	ND		340	43	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Heptachlor epoxide	ND		340	86	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Methoxychlor	ND		670	91	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200
Toxaphene	ND		14000	3200	ug/Kg	☼	12/28/12 09:48	01/04/13 13:39	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	63 - 124	12/28/12 09:48	01/04/13 13:39	200
Tetrachloro-m-xylene	0	D	59 - 115	12/28/12 09:48	01/04/13 13:39	200

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18	5.7	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
4,4'-DDE	58		18	2.5	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
4,4'-DDT	98		18	6.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Aldrin	ND		18	2.6	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
alpha-BHC	ND		18	2.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
beta-BHC	ND		18	6.9	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Chlordane (n.o.s.)	ND		18	2.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
delta-BHC	ND		18	4.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Dieldrin	ND		18	2.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Endosulfan I	ND		18	1.8	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Endosulfan II	ND		18	3.0	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Endosulfan sulfate	ND		18	2.9	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Endrin	ND		18	3.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Endrin aldehyde	ND		18	1.8	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
gamma-BHC (Lindane)	ND		18	4.8	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Heptachlor	ND		18	2.2	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		18	4.4	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Methoxychlor	ND		34	4.7	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Toxaphene	ND		700	160	ug/Kg	☼	12/28/12 09:48	01/04/13 13:56	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79	D	63 - 124				12/28/12 09:48	01/04/13 13:56	10
Tetrachloro-m-xylene	60	D	59 - 115				12/28/12 09:48	01/04/13 13:56	10

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.6	2.8	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
4,4'-DDE	18		8.6	1.2	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
4,4'-DDT	40		8.6	3.0	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Aldrin	ND		8.6	1.3	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
alpha-BHC	ND		8.6	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
beta-BHC	ND		8.6	3.3	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Chlordane (n.o.s.)	ND		8.6	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
delta-BHC	ND		8.6	2.0	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Dieldrin	ND		8.6	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Endosulfan I	ND		8.6	0.89	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Endosulfan II	ND		8.6	1.4	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Endosulfan sulfate	ND		8.6	1.4	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Endrin	ND		8.6	1.5	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Endrin aldehyde	ND		8.6	0.86	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
gamma-BHC (Lindane)	ND		8.6	2.3	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Heptachlor	ND		8.6	1.1	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Heptachlor epoxide	ND		8.6	2.1	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Methoxychlor	ND		17	2.3	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Toxaphene	ND		340	80	ug/Kg	☼	12/28/12 09:48	01/04/13 14:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98	D	63 - 124				12/28/12 09:48	01/04/13 14:46	5
Tetrachloro-m-xylene	89	D	59 - 115				12/28/12 09:48	01/04/13 14:46	5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	5.2	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1221	ND		48	16	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1232	ND		34	5.2	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1242	ND		34	9.3	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1248	ND		34	5.7	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1254	61		34	5.7	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1260	64		34	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
PCB-1262	ND		34	12	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		34	4.0	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
Polychlorinated biphenyls, Total	120		34	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 03:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58	X	59 - 130				12/28/12 09:48	01/03/13 03:33	1
Tetrachloro-m-xylene	82		53 - 128				12/28/12 09:48	01/03/13 03:33	1

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		36	5.5	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1221	ND		51	17	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1232	ND		36	5.6	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1242	ND		36	9.9	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1248	ND		36	6.1	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1254	ND		36	6.0	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1260	ND		36	2.9	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1262	ND		36	13	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
PCB-1268	ND		36	4.3	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
Polychlorinated biphenyls, Total	ND		36	2.9	ug/Kg	☼	12/28/12 09:48	01/03/13 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		59 - 130				12/28/12 09:48	01/03/13 03:54	1
Tetrachloro-m-xylene	87		53 - 128				12/28/12 09:48	01/03/13 03:54	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	4.8	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1221	ND		45	15	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1232	ND		31	4.9	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1242	ND		31	8.7	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1248	ND		31	5.3	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1254	ND		31	5.3	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1260	ND		31	2.5	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1262	ND		31	11	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
PCB-1268	ND		31	3.8	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
Polychlorinated biphenyls, Total	ND		31	2.5	ug/Kg	☼	12/28/12 09:48	01/03/13 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		59 - 130				12/28/12 09:48	01/03/13 04:16	1
Tetrachloro-m-xylene	93		53 - 128				12/28/12 09:48	01/03/13 04:16	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	5.2	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1221	ND		48	16	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		33	5.2	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1242	ND		33	9.2	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1248	ND		33	5.7	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1254	ND		33	5.6	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1260	ND		33	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1262	ND		33	12	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
PCB-1268	ND		33	4.0	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
Polychlorinated biphenyls, Total	ND		33	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		59 - 130				12/28/12 09:48	01/03/13 04:37	1
Tetrachloro-m-xylene	74		53 - 128				12/28/12 09:48	01/03/13 04:37	1

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	5.3	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1221	ND		49	16	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1232	ND		34	5.3	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1242	ND		34	9.5	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1248	ND		34	5.9	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1254	ND		34	5.8	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1260	ND		34	2.8	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1262	ND		34	12	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
PCB-1268	ND		34	4.1	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
Polychlorinated biphenyls, Total	ND		34	2.8	ug/Kg	☼	12/28/12 09:48	01/03/13 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		59 - 130				12/28/12 09:48	01/03/13 04:58	1
Tetrachloro-m-xylene	82		53 - 128				12/28/12 09:48	01/03/13 04:58	1

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	5.1	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1221	ND		47	16	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1232	ND		33	5.2	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1242	ND		33	9.2	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1248	ND		33	5.7	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1254	ND		33	5.6	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1260	ND		33	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1262	ND		33	12	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
PCB-1268	ND		33	4.0	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
Polychlorinated biphenyls, Total	ND		33	2.7	ug/Kg	☼	12/28/12 09:48	01/03/13 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		59 - 130				12/28/12 09:48	01/03/13 06:02	1
Tetrachloro-m-xylene	90		53 - 128				12/28/12 09:48	01/03/13 06:02	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8151A - Herbicides (GC)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		430	76	ug/Kg	☼	01/02/13 12:00	01/04/13 13:51	5
Dinoseb	ND		65	7.6	ug/Kg	☼	01/02/13 12:00	01/04/13 13:51	5
2,4,5-T	ND		110	13	ug/Kg	☼	01/02/13 12:00	01/04/13 13:51	5
Silvex (2,4,5-TP)	ND		110	7.6	ug/Kg	☼	01/02/13 12:00	01/04/13 13:51	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	90	D	31 - 105				01/02/13 12:00	01/04/13 13:51	5

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		83	15	ug/Kg	☼	01/02/13 12:00	01/04/13 15:00	1
Dinoseb	ND		12	1.5	ug/Kg	☼	01/02/13 12:00	01/04/13 15:00	1
2,4,5-T	ND		21	2.4	ug/Kg	☼	01/02/13 12:00	01/04/13 15:00	1
Silvex (2,4,5-TP)	ND		21	1.5	ug/Kg	☼	01/02/13 12:00	01/04/13 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		31 - 105				01/02/13 12:00	01/04/13 15:00	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		79	14	ug/Kg	☼	01/02/13 12:00	01/04/13 15:23	1
Dinoseb	ND		12	1.4	ug/Kg	☼	01/02/13 12:00	01/04/13 15:23	1
2,4,5-T	ND		20	2.3	ug/Kg	☼	01/02/13 12:00	01/04/13 15:23	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg	☼	01/02/13 12:00	01/04/13 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		31 - 105				01/02/13 12:00	01/04/13 15:23	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		430	75	ug/Kg	☼	01/02/13 12:00	01/04/13 15:45	5
Dinoseb	ND		64	7.5	ug/Kg	☼	01/02/13 12:00	01/04/13 15:45	5
2,4,5-T	ND		110	12	ug/Kg	☼	01/02/13 12:00	01/04/13 15:45	5
Silvex (2,4,5-TP)	ND		110	7.5	ug/Kg	☼	01/02/13 12:00	01/04/13 15:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77	D	31 - 105				01/02/13 12:00	01/04/13 15:45	5

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		84	15	ug/Kg	☼	01/02/13 12:00	01/04/13 16:08	1
Dinoseb	ND		13	1.5	ug/Kg	☼	01/02/13 12:00	01/04/13 16:08	1
2,4,5-T	ND		21	2.4	ug/Kg	☼	01/02/13 12:00	01/04/13 16:08	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		21	1.5	ug/Kg	☼	01/02/13 12:00	01/04/13 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		31 - 105				01/02/13 12:00	01/04/13 16:08	1

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		82	14	ug/Kg	☼	01/02/13 12:00	01/04/13 16:31	1
Dinoseb	ND		12	1.4	ug/Kg	☼	01/02/13 12:00	01/04/13 16:31	1
2,4,5-T	ND		21	2.4	ug/Kg	☼	01/02/13 12:00	01/04/13 16:31	1
Silvex (2,4,5-TP)	ND		21	1.4	ug/Kg	☼	01/02/13 12:00	01/04/13 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		31 - 105				01/02/13 12:00	01/04/13 16:31	1

Method: 6010B - Metals (ICP)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3500		1900	620	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Barium	160000		940	71	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Cadmium	170 J		470	38	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Chromium	10000		1400	54	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Lead	35000		750	250	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Selenium	880 J		1200	810	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1
Silver	ND		940	150	ug/Kg	☼	12/28/12 12:00	12/31/12 18:15	1

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6000		2200	720	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Barium	110000		1100	83	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Cadmium	76 J		540	45	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Chromium	8400		1600	63	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Lead	37000		870	290	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Selenium	ND		1400	940	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1
Silver	ND		1100	170	ug/Kg	☼	12/28/12 12:00	12/31/12 18:32	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	800 J		1800	590	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1
Barium	19000		890	68	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1
Cadmium	ND		450	37	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1
Chromium	1100 J		1300	52	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1500		710	240	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1
Selenium	ND		1200	770	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1
Silver	ND		890	140	ug/Kg	☼	12/28/12 12:00	12/31/12 18:35	1

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2	J	15	4.4	ug/L		12/28/12 07:30	12/28/12 19:46	1
Barium	430		10	0.58	ug/L		12/28/12 07:30	12/28/12 19:46	1
Cadmium	0.68	J	5.0	0.45	ug/L		12/28/12 07:30	12/28/12 19:46	1
Chromium	28		10	0.66	ug/L		12/28/12 07:30	12/28/12 19:46	1
Lead	21		9.0	2.6	ug/L		12/28/12 07:30	12/28/12 19:46	1
Selenium	12	J	15	4.9	ug/L		12/28/12 07:30	12/28/12 19:46	1
Silver	ND		10	0.93	ug/L		12/28/12 07:30	12/28/12 19:46	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6000		2100	710	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Barium	330000		1100	81	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Cadmium	520	J	540	44	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Chromium	10000		1600	62	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Lead	170000		860	290	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Selenium	1300	J	1400	920	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1
Silver	400	J	1100	170	ug/Kg	☼	12/28/12 12:00	12/31/12 18:37	1

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3900		2100	700	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Barium	100000		1100	81	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Cadmium	120	J	530	43	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Chromium	9000		1600	61	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Lead	28000		850	290	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Selenium	ND		1400	910	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1
Silver	ND		1100	170	ug/Kg	☼	12/28/12 12:00	12/31/12 18:39	1

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2100		2000	660	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1
Barium	34000		1000	76	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1
Cadmium	48	J	500	41	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1
Chromium	3300		1500	58	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1
Lead	8100		800	270	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1
Selenium	ND		1300	860	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1000	160	ug/Kg	☼	12/28/12 12:00	12/31/12 18:41	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 07:30	12/28/12 19:56	1
Barium	310		10	0.58	ug/L		12/28/12 07:30	12/28/12 19:56	1
Cadmium	0.58	J	5.0	0.45	ug/L		12/28/12 07:30	12/28/12 19:56	1
Chromium	38		10	0.66	ug/L		12/28/12 07:30	12/28/12 19:56	1
Lead	11		9.0	2.6	ug/L		12/28/12 07:30	12/28/12 19:56	1
Selenium	9.7	J	15	4.9	ug/L		12/28/12 07:30	12/28/12 19:56	1
Silver	ND		10	0.93	ug/L		12/28/12 07:30	12/28/12 19:56	1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:11	1
Barium	170	B	10	0.58	ug/L		12/28/12 12:00	12/31/12 20:11	1
Cadmium	ND		5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:11	1
Chromium	1.3	J	10	0.66	ug/L		12/28/12 12:00	12/31/12 20:11	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:11	1
Selenium	11	J	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:11	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:11	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:19	1
Barium	150	B	10	0.58	ug/L		12/28/12 12:00	12/31/12 20:19	1
Cadmium	0.49	J	5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:19	1
Chromium	0.85	J	10	0.66	ug/L		12/28/12 12:00	12/31/12 20:19	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:19	1
Selenium	9.6	J	15	4.9	ug/L		12/28/12 12:00	12/31/12 20:19	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:19	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:52	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 7470A - Mercury (CVAA)

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:54	1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:29	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:31	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid
Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		17	5.5	ug/Kg	☼	01/02/13 11:30	01/02/13 18:57	1

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid
Percent Solids: 91.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		20	6.6	ug/Kg	☼	01/02/13 11:30	01/02/13 19:08	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid
Percent Solids: 97.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		17	5.7	ug/Kg	☼	01/02/13 11:30	01/02/13 19:11	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	580		18	6.0	ug/Kg	☼	01/02/13 11:30	01/02/13 19:13	1

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	20	6.4	ug/Kg	☼	01/02/13 11:30	01/02/13 19:15	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 7471A - Mercury (CVAA)

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.0	J	17	5.6	ug/Kg	☼	01/02/13 11:30	01/02/13 19:18	1

General Chemistry

Client Sample ID: SW-01-0
Date Collected: 12/26/12 08:03
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.6		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	90		0.10	0.10	%			12/28/12 14:26	1

Client Sample ID: SW-01-4
Date Collected: 12/26/12 08:12
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	91		0.10	0.10	%			12/28/12 14:26	1

Client Sample ID: SW-01-11
Date Collected: 12/26/12 08:19
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	2.4		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	98		0.10	0.10	%			12/28/12 14:26	1

Client Sample ID: SW-01-GW
Date Collected: 12/26/12 09:45
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		8.7	2.4	mg/L		01/04/13 13:00	01/04/13 16:24	1
Total Suspended Solids	1400		40	11	mg/L			12/28/12 16:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	7.05	HF	0.100	0.100	SU			12/29/12 12:14	1
Temperature	20.0	HF	1.00	1.00	Degrees C			12/29/12 12:14	1

Client Sample ID: NE-02-0
Date Collected: 12/26/12 11:14
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	92		0.10	0.10	%			12/28/12 14:26	1

Client Sample ID: NE-02-4
Date Collected: 12/26/12 11:26
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	92		0.10	0.10	%			12/28/12 14:26	1

TestAmerica Denver

Client Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

General Chemistry

Client Sample ID: NE-02-9
Date Collected: 12/26/12 11:32
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.4		0.10	0.10	%			12/28/12 14:26	1
Percent Solids	97		0.10	0.10	%			12/28/12 14:26	1

Client Sample ID: NE-02-GW
Date Collected: 12/26/12 13:05
Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		9.1	2.5	mg/L		01/04/13 13:00	01/04/13 16:24	1
Total Suspended Solids	1000		40	11	mg/L			12/28/12 16:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	7.24	HF	0.100	0.100	SU			12/29/12 12:15	1
Temperature	20.0	HF	1.00	1.00	Degrees C			12/29/12 12:15	1

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-153919/1-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.4	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Benzene	ND		5.0	0.47	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Cyclohexane	ND		5.0	0.40	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Bromomethane	ND		10	0.50	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Bromoform	ND		5.0	0.23	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloroethane	ND		10	0.89	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloroform	ND		10	0.29	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
2-Hexanone	ND		20	4.9	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Chloromethane	ND		10	0.77	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methyl acetate	ND		10	2.8	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Styrene	ND		5.0	0.63	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Toluene	ND		5.0	0.69	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/27/12 06:00	12/27/12 11:35	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-153919/1-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/27/12 06:00	12/27/12 11:35	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/27/12 06:00	12/27/12 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 140	12/27/12 06:00	12/27/12 11:35	1
Toluene-d8 (Surr)	111		80 - 126	12/27/12 06:00	12/27/12 11:35	1
4-Bromofluorobenzene (Surr)	107		76 - 127	12/27/12 06:00	12/27/12 11:35	1
Dibromofluoromethane (Surr)	92		75 - 121	12/27/12 06:00	12/27/12 11:35	1

Lab Sample ID: LCS 280-153919/2-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	256		ug/Kg		128	65 - 150
2-Butanone (MEK)	200	305		ug/Kg		152	45 - 177
Benzene	50.0	47.9		ug/Kg		96	75 - 135
Chlorobenzene	50.0	50.5		ug/Kg		101	78 - 135
Carbon disulfide	50.0	39.8		ug/Kg		80	45 - 150
Carbon tetrachloride	50.0	48.7		ug/Kg		97	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	59.7		ug/Kg		119	66 - 150
Bromomethane	50.0	41.0		ug/Kg		82	52 - 135
Bromoform	50.0	51.8		ug/Kg		104	77 - 135
Chloroethane	50.0	37.7		ug/Kg		75	51 - 145
Chloroform	50.0	45.2		ug/Kg		90	73 - 123
Chlorobromomethane	50.0	45.3		ug/Kg		91	74 - 135
Dichlorobromomethane	50.0	51.5		ug/Kg		103	73 - 135
Chlorodibromomethane	50.0	58.2		ug/Kg		116	77 - 135
Isopropylbenzene	50.0	53.5		ug/Kg		107	74 - 137
2-Hexanone	200	255		ug/Kg		127	67 - 150
Chloromethane	50.0	47.0		ug/Kg		94	41 - 138
Dichlorodifluoromethane	50.0	38.2		ug/Kg		76	32 - 152
trans-1,2-Dichloroethene	50.0	44.2		ug/Kg		88	77 - 135
trans-1,3-Dichloropropene	50.0	54.4		ug/Kg		109	71 - 135
Methylene Chloride	50.0	46.9		ug/Kg		94	76 - 136
Methyl tert-butyl ether	50.0	41.5		ug/Kg		83	71 - 141
4-Methyl-2-pentanone (MIBK)	200	242		ug/Kg		121	69 - 150
Styrene	50.0	48.7		ug/Kg		97	76 - 135
1,1,1,2-Tetrachloroethane	50.0	57.3		ug/Kg		115	65 - 135
1,2,3-Trichlorobenzene	50.0	47.4		ug/Kg		95	62 - 135
1,2,4-Trichlorobenzene	50.0	47.6		ug/Kg		95	65 - 135
Toluene	50.0	48.5		ug/Kg		97	77 - 122
1,1,1-Trichloroethane	50.0	45.5		ug/Kg		91	70 - 135
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	78 - 135
Trichloroethene	50.0	48.4		ug/Kg		97	77 - 135
Vinyl chloride	50.0	38.0		ug/Kg		76	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-153919/2-A

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	99.6		ug/Kg		100	77 - 135
o-Xylene	50.0	47.9		ug/Kg		96	75 - 135
Tetrachloroethene	50.0	53.4		ug/Kg		107	76 - 135
1,2-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 135
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	69 - 135
1,4-Dichlorobenzene	50.0	50.5		ug/Kg		101	73 - 135
cis-1,2-Dichloroethene	50.0	44.2		ug/Kg		88	76 - 135
cis-1,3-Dichloropropene	50.0	61.1		ug/Kg		122	71 - 135
1,1-Dichloroethane	50.0	45.6		ug/Kg		91	70 - 135
1,1-Dichloroethene	50.0	53.2		ug/Kg		106	79 - 135
1,2-Dichloroethane	50.0	48.4		ug/Kg		97	69 - 135
1,2-Dichloropropane	50.0	50.4		ug/Kg		101	72 - 121
Ethylbenzene	50.0	50.0		ug/Kg		100	73 - 125
1,2-Dibromoethane	50.0	54.0		ug/Kg		108	76 - 135
Trichlorofluoromethane	50.0	36.5		ug/Kg		73	48 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		58 - 140
Toluene-d8 (Surr)	108		80 - 126
4-Bromofluorobenzene (Surr)	106		76 - 127
Dibromofluoromethane (Surr)	92		75 - 121

Lab Sample ID: 280-37114-C-1-B MS

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		215	256		ug/Kg	☼	104	65 - 150
2-Butanone (MEK)	ND		215	291		ug/Kg	☼	135	45 - 177
Benzene	ND		53.8	48.8		ug/Kg	☼	91	75 - 135
Chlorobenzene	ND		53.8	49.3		ug/Kg	☼	92	78 - 135
Carbon disulfide	ND		53.8	39.7		ug/Kg	☼	74	45 - 150
Carbon tetrachloride	ND		53.8	47.6		ug/Kg	☼	88	69 - 138
1,2-Dibromo-3-Chloropropane	ND		53.8	56.1		ug/Kg	☼	104	66 - 150
Bromomethane	ND		53.8	42.9		ug/Kg	☼	80	52 - 135
Bromoform	ND		53.8	49.1		ug/Kg	☼	91	77 - 135
Chloroethane	ND		53.8	39.6		ug/Kg	☼	74	51 - 145
Chloroform	ND		53.8	47.3		ug/Kg	☼	88	73 - 123
Chlorobromomethane	ND		53.8	47.2		ug/Kg	☼	88	74 - 135
Dichlorobromomethane	ND		53.8	52.8		ug/Kg	☼	98	73 - 135
Chlorodibromomethane	ND		53.8	61.2		ug/Kg	☼	114	77 - 135
Isopropylbenzene	ND		53.8	56.1		ug/Kg	☼	104	74 - 137
2-Hexanone	ND		215	234		ug/Kg	☼	109	67 - 150
Chloromethane	ND		53.8	46.2		ug/Kg	☼	86	41 - 138
Dichlorodifluoromethane	ND		53.8	39.4		ug/Kg	☼	73	32 - 152
trans-1,2-Dichloroethene	ND		53.8	44.7		ug/Kg	☼	83	77 - 135
trans-1,3-Dichloropropene	ND		53.8	54.0		ug/Kg	☼	100	71 - 135
Methylene Chloride	ND		53.8	48.5		ug/Kg	☼	90	76 - 136

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37114-C-1-B MS

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methyl tert-butyl ether	ND		53.8	39.9		ug/Kg	*	74	71 - 141
4-Methyl-2-pentanone (MIBK)	ND		215	229		ug/Kg	*	106	69 - 150
Styrene	ND		53.8	46.4		ug/Kg	*	86	76 - 135
1,1,1,2-Tetrachloroethane	ND		53.8	2.79	J F	ug/Kg	*	5	65 - 135
1,2,3-Trichlorobenzene	ND		53.8	24.9	F	ug/Kg	*	46	62 - 135
1,2,4-Trichlorobenzene	ND		53.8	28.3	F	ug/Kg	*	53	65 - 135
Toluene	ND		53.8	48.1		ug/Kg	*	89	77 - 122
1,1,1-Trichloroethane	ND		53.8	45.4		ug/Kg	*	84	70 - 135
1,1,2-Trichloroethane	ND		53.8	47.4		ug/Kg	*	88	78 - 135
Trichloroethene	ND		53.8	90.0	F	ug/Kg	*	167	77 - 135
Vinyl chloride	ND		53.8	39.9		ug/Kg	*	74	43 - 145
m-Xylene & p-Xylene	1.5	J	108	95.1		ug/Kg	*	87	77 - 135
o-Xylene	0.89	J	53.8	45.8		ug/Kg	*	83	75 - 135
Tetrachloroethene	2900	E	53.8	2210	E 4	ug/Kg	*	-1316	76 - 135
1,2-Dichlorobenzene	ND		53.8	44.8		ug/Kg	*	83	73 - 135
1,3-Dichlorobenzene	ND		53.8	47.6		ug/Kg	*	88	69 - 135
1,4-Dichlorobenzene	ND		53.8	48.0		ug/Kg	*	89	73 - 135
cis-1,2-Dichloroethene	ND		53.8	45.6		ug/Kg	*	85	76 - 135
cis-1,3-Dichloropropene	ND		53.8	62.6		ug/Kg	*	116	71 - 135
1,1-Dichloroethane	ND		53.8	47.2		ug/Kg	*	88	70 - 135
1,1-Dichloroethene	ND		53.8	54.9		ug/Kg	*	102	79 - 135
1,2-Dichloroethane	ND		53.8	50.7		ug/Kg	*	94	69 - 135
1,2-Dichloropropane	ND		53.8	52.3		ug/Kg	*	97	72 - 121
Ethylbenzene	ND		53.8	48.1		ug/Kg	*	86	73 - 125
1,2-Dibromoethane	ND		53.8	54.6		ug/Kg	*	101	76 - 135
Trichlorofluoromethane	ND		53.8	36.9		ug/Kg	*	69	48 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		58 - 140
Toluene-d8 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	117		76 - 127
Dibromofluoromethane (Surr)	67	X	75 - 121

Lab Sample ID: 280-37114-C-1-C MSD

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND		241	302		ug/Kg	*	112	65 - 150	17	28
2-Butanone (MEK)	ND		241	342		ug/Kg	*	142	45 - 177	16	32
Benzene	ND		60.1	60.3	F	ug/Kg	*	100	75 - 135	21	20
Chlorobenzene	ND		60.1	59.7		ug/Kg	*	99	78 - 135	19	20
Carbon disulfide	ND		60.1	49.8		ug/Kg	*	83	45 - 150	22	24
Carbon tetrachloride	ND		60.1	58.5	F	ug/Kg	*	97	69 - 138	21	20
1,2-Dibromo-3-Chloropropane	ND		60.1	70.5		ug/Kg	*	117	66 - 150	23	28
Bromomethane	ND		60.1	48.8		ug/Kg	*	81	52 - 135	13	22
Bromoform	ND		60.1	61.7	F	ug/Kg	*	103	77 - 135	23	20
Chloroethane	ND		60.1	44.4		ug/Kg	*	74	51 - 145	12	22

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37114-C-1-C MSD

Matrix: Solid

Analysis Batch: 153872

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 153919

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		60.1	57.9		ug/Kg	*	96	73 - 123	20	20
Chlorobromomethane	ND		60.1	58.5		ug/Kg	*	97	74 - 135	21	21
Dichlorobromomethane	ND		60.1	65.4	F	ug/Kg	*	109	73 - 135	21	20
Chlorodibromomethane	ND		60.1	76.6	F	ug/Kg	*	127	77 - 135	22	20
Isopropylbenzene	ND		60.1	68.4		ug/Kg	*	114	74 - 137	20	20
2-Hexanone	ND		241	273		ug/Kg	*	114	67 - 150	15	29
Chloromethane	ND		60.1	53.4		ug/Kg	*	89	41 - 138	14	25
Dichlorodifluoromethane	ND		60.1	43.7		ug/Kg	*	73	32 - 152	10	28
trans-1,2-Dichloroethene	ND		60.1	55.7	F	ug/Kg	*	93	77 - 135	22	20
trans-1,3-Dichloropropene	ND		60.1	67.6	F	ug/Kg	*	112	71 - 135	22	20
Methylene Chloride	ND		60.1	61.6	F	ug/Kg	*	102	76 - 136	24	21
Methyl tert-butyl ether	ND		60.1	50.1	F	ug/Kg	*	83	71 - 141	23	20
4-Methyl-2-pentanone (MIBK)	ND		241	269		ug/Kg	*	112	69 - 150	16	25
Styrene	ND		60.1	55.6		ug/Kg	*	92	76 - 135	18	20
1,1,2,2-Tetrachloroethane	ND		60.1	ND	F	ug/Kg	*	0	65 - 135	NC	21
1,2,3-Trichlorobenzene	ND		60.1	27.7	F	ug/Kg	*	46	62 - 135	11	31
1,2,4-Trichlorobenzene	ND		60.1	31.1	F	ug/Kg	*	52	65 - 135	10	26
Toluene	ND		60.1	58.7		ug/Kg	*	98	77 - 122	20	20
1,1,1-Trichloroethane	ND		60.1	56.1	F	ug/Kg	*	93	70 - 135	21	20
1,1,2-Trichloroethane	ND		60.1	57.5		ug/Kg	*	96	78 - 135	19	20
Trichloroethene	ND		60.1	109	F	ug/Kg	*	182	77 - 135	20	20
Vinyl chloride	ND		60.1	44.5		ug/Kg	*	74	43 - 145	11	24
m-Xylene & p-Xylene	1.5	J	120	114		ug/Kg	*	93	77 - 135	18	20
o-Xylene	0.89	J	60.1	55.1		ug/Kg	*	90	75 - 135	18	20
Tetrachloroethene	2900	E	60.1	2820	E 4 F	ug/Kg	*	-178	76 - 135	24	20
1,2-Dichlorobenzene	ND		60.1	52.8		ug/Kg	*	88	73 - 135	16	20
1,3-Dichlorobenzene	ND		60.1	55.8		ug/Kg	*	93	69 - 135	16	20
1,4-Dichlorobenzene	ND		60.1	56.5		ug/Kg	*	94	73 - 135	16	22
cis-1,2-Dichloroethene	ND		60.1	56.5	F	ug/Kg	*	94	76 - 135	21	20
cis-1,3-Dichloropropene	ND		60.1	78.8	F	ug/Kg	*	131	71 - 135	23	20
1,1-Dichloroethane	ND		60.1	58.2	F	ug/Kg	*	97	70 - 135	21	20
1,1-Dichloroethene	ND		60.1	70.1	F	ug/Kg	*	117	79 - 135	24	20
1,2-Dichloroethane	ND		60.1	62.7	F	ug/Kg	*	104	69 - 135	21	20
1,2-Dichloropropane	ND		60.1	65.3	F	ug/Kg	*	109	72 - 121	22	20
Ethylbenzene	ND		60.1	57.8		ug/Kg	*	93	73 - 125	18	20
1,2-Dibromoethane	ND		60.1	69.4	F	ug/Kg	*	115	76 - 135	24	20
Trichlorofluoromethane	ND		60.1	41.1		ug/Kg	*	68	48 - 150	11	33

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		58 - 140
Toluene-d8 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	121		76 - 127
Dibromofluoromethane (Surr)	61	X	75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154297/1-A

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.4	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Benzene	ND		5.0	0.47	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Cyclohexane	0.480	J	5.0	0.40	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Bromomethane	ND		10	0.50	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Bromoform	ND		5.0	0.23	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chloroethane	ND		10	0.89	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chloroform	ND		10	0.29	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
2-Hexanone	ND		20	4.9	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Chloromethane	ND		10	0.77	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Methyl acetate	ND		10	2.8	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Methylcyclohexane	0.967	J	5.0	0.42	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Styrene	ND		5.0	0.63	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Toluene	ND		5.0	0.69	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Trichloroethene	ND		5.0	0.23	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
o-Xylene	ND		2.5	0.61	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		12/31/12 06:00	12/31/12 11:30	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154297/1-A

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		12/31/12 06:00	12/31/12 11:30	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		12/31/12 06:00	12/31/12 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 140	12/31/12 06:00	12/31/12 11:30	1
Toluene-d8 (Surr)	109		80 - 126	12/31/12 06:00	12/31/12 11:30	1
4-Bromofluorobenzene (Surr)	102		76 - 127	12/31/12 06:00	12/31/12 11:30	1
Dibromofluoromethane (Surr)	95		75 - 121	12/31/12 06:00	12/31/12 11:30	1

Lab Sample ID: LCS 280-154297/2-A

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	219		ug/Kg		109	65 - 150
2-Butanone (MEK)	200	255		ug/Kg		127	45 - 177
Benzene	50.0	48.4		ug/Kg		97	75 - 135
Chlorobenzene	50.0	50.8		ug/Kg		102	78 - 135
Carbon disulfide	50.0	39.5		ug/Kg		79	45 - 150
Carbon tetrachloride	50.0	53.8		ug/Kg		108	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	59.6		ug/Kg		119	66 - 150
Bromomethane	50.0	28.2		ug/Kg		56	52 - 135
Bromoform	50.0	54.5		ug/Kg		109	77 - 135
Chloroethane	50.0	25.9		ug/Kg		52	51 - 145
Chloroform	50.0	47.8		ug/Kg		96	73 - 123
Chlorobromomethane	50.0	48.3		ug/Kg		97	74 - 135
Dichlorobromomethane	50.0	54.4		ug/Kg		109	73 - 135
Chlorodibromomethane	50.0	60.3		ug/Kg		121	77 - 135
Isopropylbenzene	50.0	53.2		ug/Kg		106	74 - 137
2-Hexanone	200	201		ug/Kg		101	67 - 150
Chloromethane	50.0	29.6		ug/Kg		59	41 - 138
Dichlorodifluoromethane	50.0	27.2		ug/Kg		54	32 - 152
trans-1,2-Dichloroethene	50.0	46.0		ug/Kg		92	77 - 135
trans-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	71 - 135
Methylene Chloride	50.0	47.9		ug/Kg		96	76 - 136
Methyl tert-butyl ether	50.0	44.7		ug/Kg		89	71 - 141
4-Methyl-2-pentanone (MIBK)	200	203		ug/Kg		101	69 - 150
Styrene	50.0	48.1		ug/Kg		96	76 - 135
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	65 - 135
1,2,3-Trichlorobenzene	50.0	48.8		ug/Kg		98	62 - 135
1,2,4-Trichlorobenzene	50.0	49.2		ug/Kg		98	65 - 135
Toluene	50.0	49.5		ug/Kg		99	77 - 122
1,1,1-Trichloroethane	50.0	47.4		ug/Kg		95	70 - 135
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	78 - 135
Trichloroethene	50.0	50.0		ug/Kg		100	77 - 135
Vinyl chloride	50.0	25.7		ug/Kg		51	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-154297/2-A

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	99.9		ug/Kg		100	77 - 135
o-Xylene	50.0	48.5		ug/Kg		97	75 - 135
Tetrachloroethene	50.0	56.0		ug/Kg		112	76 - 135
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	73 - 135
1,3-Dichlorobenzene	50.0	50.5		ug/Kg		101	69 - 135
1,4-Dichlorobenzene	50.0	50.9		ug/Kg		102	73 - 135
cis-1,2-Dichloroethene	50.0	45.5		ug/Kg		91	76 - 135
cis-1,3-Dichloropropene	50.0	60.4		ug/Kg		121	71 - 135
1,1-Dichloroethane	50.0	46.3		ug/Kg		93	70 - 135
1,1-Dichloroethene	50.0	56.7		ug/Kg		113	79 - 135
1,2-Dichloroethane	50.0	52.2		ug/Kg		104	69 - 135
1,2-Dichloropropane	50.0	50.4		ug/Kg		101	72 - 121
Ethylbenzene	50.0	50.4		ug/Kg		101	73 - 125
1,2-Dibromoethane	50.0	54.2		ug/Kg		108	76 - 135
Trichlorofluoromethane	50.0	29.4		ug/Kg		59	48 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		58 - 140
Toluene-d8 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	102		76 - 127
Dibromofluoromethane (Surr)	96		75 - 121

Lab Sample ID: 280-37374-1 MS

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		252	167		ug/Kg	☼	66	65 - 150
2-Butanone (MEK)	ND		252	928	F	ug/Kg	☼	369	45 - 177
Benzene	ND		62.9	47.2		ug/Kg	☼	75	75 - 135
Chlorobenzene	ND		62.9	46.0	F	ug/Kg	☼	73	78 - 135
Carbon disulfide	ND		62.9	37.5		ug/Kg	☼	60	45 - 150
Carbon tetrachloride	ND		62.9	45.4		ug/Kg	☼	72	69 - 138
1,2-Dibromo-3-Chloropropane	ND		62.9	55.0		ug/Kg	☼	87	66 - 150
Bromomethane	ND		62.9	22.2	F	ug/Kg	☼	35	52 - 135
Bromoform	ND		62.9	46.2	F	ug/Kg	☼	73	77 - 135
Chloroethane	ND		62.9	23.9	F	ug/Kg	☼	38	51 - 145
Chloroform	ND		62.9	45.9		ug/Kg	☼	73	73 - 123
Chlorobromomethane	ND		62.9	50.7		ug/Kg	☼	81	74 - 135
Dichlorobromomethane	ND		62.9	50.3		ug/Kg	☼	80	73 - 135
Chlorodibromomethane	ND		62.9	54.9		ug/Kg	☼	87	77 - 135
Isopropylbenzene	ND		62.9	49.0		ug/Kg	☼	78	74 - 137
2-Hexanone	ND		252	162	F	ug/Kg	☼	64	67 - 150
Chloromethane	ND		62.9	26.7		ug/Kg	☼	42	41 - 138
Dichlorodifluoromethane	ND		62.9	23.8		ug/Kg	☼	38	32 - 152
trans-1,2-Dichloroethene	ND		62.9	43.9	F	ug/Kg	☼	70	77 - 135
trans-1,3-Dichloropropene	ND		62.9	47.9		ug/Kg	☼	76	71 - 135
Methylene Chloride	ND		62.9	48.5		ug/Kg	☼	77	76 - 136

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37374-1 MS

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methyl tert-butyl ether	ND		62.9	44.0	F	ug/Kg	*	70	71 - 141	
4-Methyl-2-pentanone (MIBK)	ND		252	186		ug/Kg	*	74	69 - 150	
Styrene	ND		62.9	40.8	F	ug/Kg	*	65	76 - 135	
1,1,1,2-Tetrachloroethane	ND		62.9	51.3		ug/Kg	*	82	65 - 135	
1,2,3-Trichlorobenzene	ND		62.9	27.3	F	ug/Kg	*	43	62 - 135	
1,2,4-Trichlorobenzene	ND		62.9	28.7	F	ug/Kg	*	46	65 - 135	
Toluene	ND		62.9	46.7	F	ug/Kg	*	74	77 - 122	
1,1,1-Trichloroethane	ND		62.9	41.6	F	ug/Kg	*	66	70 - 135	
1,1,2-Trichloroethane	ND		62.9	51.0		ug/Kg	*	81	78 - 135	
Trichloroethene	ND		62.9	50.5		ug/Kg	*	80	77 - 135	
Vinyl chloride	ND		62.9	23.6	F	ug/Kg	*	38	43 - 145	
m-Xylene & p-Xylene	ND		126	88.1	F	ug/Kg	*	70	77 - 135	
o-Xylene	ND		62.9	43.6	F	ug/Kg	*	69	75 - 135	
Tetrachloroethene	ND		62.9	53.0		ug/Kg	*	84	76 - 135	
1,2-Dichlorobenzene	ND		62.9	41.7	F	ug/Kg	*	66	73 - 135	
1,3-Dichlorobenzene	ND		62.9	42.3	F	ug/Kg	*	67	69 - 135	
1,4-Dichlorobenzene	ND		62.9	41.4	F	ug/Kg	*	66	73 - 135	
cis-1,2-Dichloroethene	ND		62.9	45.5	F	ug/Kg	*	72	76 - 135	
cis-1,3-Dichloropropene	ND		62.9	53.3		ug/Kg	*	85	71 - 135	
1,1-Dichloroethane	ND		62.9	44.8		ug/Kg	*	71	70 - 135	
1,1-Dichloroethene	ND		62.9	56.7		ug/Kg	*	90	79 - 135	
1,2-Dichloroethane	ND		62.9	49.1		ug/Kg	*	78	69 - 135	
1,2-Dichloropropane	ND		62.9	49.3		ug/Kg	*	78	72 - 121	
Ethylbenzene	ND		62.9	45.1	F	ug/Kg	*	72	73 - 125	
1,2-Dibromoethane	ND		62.9	53.6		ug/Kg	*	85	76 - 135	
Trichlorofluoromethane	ND		62.9	24.7	F	ug/Kg	*	39	48 - 150	

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		58 - 140
Toluene-d8 (Surr)	106		80 - 126
4-Bromofluorobenzene (Surr)	102		76 - 127
Dibromofluoromethane (Surr)	94		75 - 121

Lab Sample ID: 280-37374-1 MSD

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	ND		216	166		ug/Kg	*	77	65 - 150	1	28	
2-Butanone (MEK)	ND		216	896	E F	ug/Kg	*	415	45 - 177	4	32	
Benzene	ND		54.0	43.4		ug/Kg	*	80	75 - 135	8	20	
Chlorobenzene	ND		54.0	43.9		ug/Kg	*	81	78 - 135	5	20	
Carbon disulfide	ND		54.0	35.2		ug/Kg	*	65	45 - 150	6	24	
Carbon tetrachloride	ND		54.0	42.3		ug/Kg	*	78	69 - 138	7	20	
1,2-Dibromo-3-Chloropropane	ND		54.0	49.6		ug/Kg	*	92	66 - 150	10	28	
Bromomethane	ND		54.0	21.8	F	ug/Kg	*	40	52 - 135	2	22	
Bromoform	ND		54.0	43.9		ug/Kg	*	81	77 - 135	5	20	
Chloroethane	ND		54.0	23.7	F	ug/Kg	*	44	51 - 145	1	22	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37374-1 MSD

Matrix: Solid

Analysis Batch: 154301

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154297

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		54.0	42.2		ug/Kg	*	78	73 - 123	8	20
Chlorobromomethane	ND		54.0	46.7		ug/Kg	*	87	74 - 135	8	21
Dichlorobromomethane	ND		54.0	46.8		ug/Kg	*	87	73 - 135	7	20
Chlorodibromomethane	ND		54.0	51.7		ug/Kg	*	96	77 - 135	6	20
Isopropylbenzene	ND		54.0	45.8		ug/Kg	*	85	74 - 137	7	20
2-Hexanone	ND		216	166		ug/Kg	*	77	67 - 150	3	29
Chloromethane	ND		54.0	24.3		ug/Kg	*	45	41 - 138	9	25
Dichlorodifluoromethane	ND		54.0	23.1		ug/Kg	*	43	32 - 152	3	28
trans-1,2-Dichloroethene	ND		54.0	39.4	F	ug/Kg	*	73	77 - 135	11	20
trans-1,3-Dichloropropene	ND		54.0	45.0		ug/Kg	*	83	71 - 135	6	20
Methylene Chloride	ND		54.0	44.3		ug/Kg	*	82	76 - 136	9	21
Methyl tert-butyl ether	ND		54.0	40.6		ug/Kg	*	75	71 - 141	8	20
4-Methyl-2-pentanone (MIBK)	ND		216	190		ug/Kg	*	88	69 - 150	2	25
Styrene	ND		54.0	38.9	F	ug/Kg	*	72	76 - 135	5	20
1,1,2,2-Tetrachloroethane	ND		54.0	47.0		ug/Kg	*	87	65 - 135	9	21
1,2,3-Trichlorobenzene	ND		54.0	25.5	F	ug/Kg	*	47	62 - 135	7	31
1,2,4-Trichlorobenzene	ND		54.0	27.5	F	ug/Kg	*	51	65 - 135	4	26
Toluene	ND		54.0	43.9		ug/Kg	*	81	77 - 122	6	20
1,1,1-Trichloroethane	ND		54.0	38.2		ug/Kg	*	71	70 - 135	8	20
1,1,2-Trichloroethane	ND		54.0	47.0		ug/Kg	*	87	78 - 135	8	20
Trichloroethene	ND		54.0	47.1		ug/Kg	*	87	77 - 135	7	20
Vinyl chloride	ND		54.0	20.9	F	ug/Kg	*	39	43 - 145	12	24
m-Xylene & p-Xylene	ND		108	84.0		ug/Kg	*	78	77 - 135	5	20
o-Xylene	ND		54.0	41.0		ug/Kg	*	76	75 - 135	6	20
Tetrachloroethene	ND		54.0	50.0		ug/Kg	*	93	76 - 135	6	20
1,2-Dichlorobenzene	ND		54.0	39.7		ug/Kg	*	74	73 - 135	5	20
1,3-Dichlorobenzene	ND		54.0	40.3		ug/Kg	*	75	69 - 135	5	20
1,4-Dichlorobenzene	ND		54.0	39.8		ug/Kg	*	74	73 - 135	4	22
cis-1,2-Dichloroethene	ND		54.0	41.8		ug/Kg	*	77	76 - 135	8	20
cis-1,3-Dichloropropene	ND		54.0	50.5		ug/Kg	*	93	71 - 135	5	20
1,1-Dichloroethane	ND		54.0	41.0		ug/Kg	*	76	70 - 135	9	20
1,1-Dichloroethene	ND		54.0	51.0		ug/Kg	*	94	79 - 135	11	20
1,2-Dichloroethane	ND		54.0	44.9		ug/Kg	*	83	69 - 135	9	20
1,2-Dichloropropane	ND		54.0	45.2		ug/Kg	*	84	72 - 121	9	20
Ethylbenzene	ND		54.0	42.7		ug/Kg	*	79	73 - 125	6	20
1,2-Dibromoethane	ND		54.0	49.5		ug/Kg	*	92	76 - 135	8	20
Trichlorofluoromethane	ND		54.0	24.7	F	ug/Kg	*	46	48 - 150	0	33

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		58 - 140
Toluene-d8 (Surr)	105		80 - 126
4-Bromofluorobenzene (Surr)	102		76 - 127
Dibromofluoromethane (Surr)	94		75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154317/5

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			01/02/13 08:27	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			01/02/13 08:27	1
Benzene	ND		1.0	0.16	ug/L			01/02/13 08:27	1
Chlorobenzene	ND		1.0	0.17	ug/L			01/02/13 08:27	1
Carbon disulfide	ND		2.0	0.45	ug/L			01/02/13 08:27	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			01/02/13 08:27	1
Cyclohexane	ND		2.0	0.28	ug/L			01/02/13 08:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			01/02/13 08:27	1
Bromomethane	ND		2.0	0.21	ug/L			01/02/13 08:27	1
Bromoform	ND		1.0	0.19	ug/L			01/02/13 08:27	1
Chloroethane	ND		2.0	0.41	ug/L			01/02/13 08:27	1
Chloroform	ND		1.0	0.16	ug/L			01/02/13 08:27	1
Chlorobromomethane	ND		1.0	0.10	ug/L			01/02/13 08:27	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			01/02/13 08:27	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			01/02/13 08:27	1
Isopropylbenzene	ND		1.0	0.19	ug/L			01/02/13 08:27	1
2-Hexanone	ND		5.0	1.7	ug/L			01/02/13 08:27	1
Chloromethane	ND		2.0	0.30	ug/L			01/02/13 08:27	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			01/02/13 08:27	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 08:27	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			01/02/13 08:27	1
Methylene Chloride	ND		2.0	0.32	ug/L			01/02/13 08:27	1
Methyl acetate	ND		5.0	1.6	ug/L			01/02/13 08:27	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			01/02/13 08:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			01/02/13 08:27	1
Methylcyclohexane	ND		1.0	0.36	ug/L			01/02/13 08:27	1
Styrene	ND		1.0	0.17	ug/L			01/02/13 08:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/02/13 08:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 08:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			01/02/13 08:27	1
Toluene	ND		1.0	0.17	ug/L			01/02/13 08:27	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			01/02/13 08:27	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			01/02/13 08:27	1
Trichloroethene	ND		1.0	0.16	ug/L			01/02/13 08:27	1
1,1,2-Trichlorotrifluoroethane	ND		3.0	0.42	ug/L			01/02/13 08:27	1
Vinyl chloride	ND		1.0	0.10	ug/L			01/02/13 08:27	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			01/02/13 08:27	1
o-Xylene	ND		1.0	0.19	ug/L			01/02/13 08:27	1
Tetrachloroethene	ND		1.0	0.20	ug/L			01/02/13 08:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			01/02/13 08:27	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			01/02/13 08:27	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			01/02/13 08:27	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			01/02/13 08:27	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			01/02/13 08:27	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			01/02/13 08:27	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			01/02/13 08:27	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			01/02/13 08:27	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			01/02/13 08:27	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154317/5

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		200	57	ug/L			01/02/13 08:27	1
Ethylbenzene	ND		1.0	0.16	ug/L			01/02/13 08:27	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			01/02/13 08:27	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			01/02/13 08:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 127		01/02/13 08:27	1
Toluene-d8 (Surr)	102		80 - 125		01/02/13 08:27	1
4-Bromofluorobenzene (Surr)	106		78 - 120		01/02/13 08:27	1
Dibromofluoromethane (Surr)	85		77 - 120		01/02/13 08:27	1

Lab Sample ID: LCS 280-154317/4

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	21.8		ug/L		109	50 - 156
2-Butanone (MEK)	20.0	22.7		ug/L		114	44 - 150
Benzene	5.00	4.74		ug/L		95	74 - 135
Chlorobenzene	5.00	4.78		ug/L		96	76 - 135
Carbon disulfide	5.00	4.01		ug/L		80	34 - 150
Carbon tetrachloride	5.00	4.94		ug/L		99	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.24	J	ug/L		85	65 - 150
Bromomethane	5.00	5.04		ug/L		101	38 - 150
Bromoform	5.00	3.90		ug/L		78	62 - 135
Chloroethane	5.00	5.02		ug/L		100	46 - 147
Chloroform	5.00	4.83		ug/L		97	76 - 120
Chlorobromomethane	5.00	4.80		ug/L		96	70 - 135
Dichlorobromomethane	5.00	4.69		ug/L		94	73 - 135
Chlorodibromomethane	5.00	4.52		ug/L		90	68 - 135
Isopropylbenzene	5.00	4.82		ug/L		96	75 - 135
2-Hexanone	20.0	18.2		ug/L		91	47 - 150
Chloromethane	5.00	4.75		ug/L		95	34 - 145
Dichlorodifluoromethane	5.00	4.97		ug/L		99	28 - 152
trans-1,2-Dichloroethene	5.00	4.85		ug/L		97	75 - 135
trans-1,3-Dichloropropene	5.00	4.49		ug/L		90	68 - 135
Methylene Chloride	5.00	4.35		ug/L		87	54 - 141
Methyl tert-butyl ether	5.00	4.42	J	ug/L		88	46 - 135
4-Methyl-2-pentanone (MIBK)	20.0	17.7		ug/L		88	53 - 150
Styrene	5.00	4.54		ug/L		91	68 - 135
1,1,2,2-Tetrachloroethane	5.00	4.36		ug/L		87	66 - 135
1,2,3-Trichlorobenzene	5.00	4.65		ug/L		93	60 - 135
1,2,4-Trichlorobenzene	5.00	4.76		ug/L		95	64 - 135
Toluene	5.00	4.65		ug/L		93	73 - 120
1,1,1-Trichloroethane	5.00	5.01		ug/L		100	70 - 135
1,1,2-Trichloroethane	5.00	4.53		ug/L		91	73 - 135
Trichloroethene	5.00	4.77		ug/L		95	73 - 135
Vinyl chloride	5.00	5.09		ug/L		102	40 - 144

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-154317/4

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	74 - 135
o-Xylene	5.00	4.67		ug/L		93	73 - 135
Tetrachloroethene	5.00	4.92		ug/L		98	70 - 135
1,2-Dichlorobenzene	5.00	4.70		ug/L		94	75 - 135
1,3-Dichlorobenzene	5.00	4.82		ug/L		96	74 - 135
1,4-Dichlorobenzene	5.00	4.86		ug/L		97	75 - 135
cis-1,2-Dichloroethene	5.00	4.69		ug/L		94	73 - 135
cis-1,3-Dichloropropene	5.00	4.54		ug/L		91	66 - 135
1,1-Dichloroethane	5.00	4.72		ug/L		94	75 - 135
1,1-Dichloroethene	5.00	5.45		ug/L		109	71 - 136
1,2-Dichloroethane	5.00	4.83		ug/L		97	70 - 135
1,2-Dichloropropane	5.00	4.45		ug/L		89	71 - 120
Ethylbenzene	5.00	4.90		ug/L		98	72 - 120
1,2-Dibromoethane	5.00	4.65		ug/L		93	71 - 135
Trichlorofluoromethane	5.00	4.95		ug/L		99	47 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	85		77 - 120

Lab Sample ID: 280-37417-I-1 MS

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	25.3		ug/L		126	50 - 156
2-Butanone (MEK)	ND		20.0	21.2		ug/L		106	44 - 150
Benzene	4.5		5.00	8.95		ug/L		89	74 - 135
Chlorobenzene	1.2		5.00	5.93		ug/L		95	76 - 135
Carbon disulfide	ND		5.00	3.76		ug/L		75	34 - 150
Carbon tetrachloride	ND		5.00	5.13		ug/L		103	67 - 135
1,2-Dibromo-3-Chloropropane	ND		5.00	4.54	J	ug/L		91	65 - 150
Bromomethane	ND		5.00	4.95		ug/L		99	38 - 150
Bromoform	ND		5.00	4.06		ug/L		81	62 - 135
Chloroethane	ND		5.00	5.28		ug/L		106	46 - 147
Chloroform	ND		5.00	4.41		ug/L		88	76 - 120
Chlorobromomethane	ND		5.00	4.50		ug/L		90	70 - 135
Dichlorobromomethane	ND		5.00	4.62		ug/L		92	73 - 135
Chlorodibromomethane	ND		5.00	4.56		ug/L		91	68 - 135
Isopropylbenzene	2.9		5.00	7.86		ug/L		99	75 - 135
2-Hexanone	ND		20.0	67.0	F	ug/L		335	47 - 150
Chloromethane	ND		5.00	4.67		ug/L		93	34 - 145
Dichlorodifluoromethane	ND		5.00	5.38		ug/L		108	28 - 152
trans-1,2-Dichloroethene	0.17	J	5.00	5.10		ug/L		99	75 - 135
trans-1,3-Dichloropropene	ND		5.00	4.31		ug/L		86	68 - 135
Methylene Chloride	ND		5.00	3.82		ug/L		76	54 - 141

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37417-I-1 MS

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methyl tert-butyl ether	0.69	J	5.00	5.11		ug/L		88	46 - 135	
4-Methyl-2-pentanone (MIBK)	ND		20.0	17.8		ug/L		89	53 - 150	
Styrene	ND		5.00	4.82		ug/L		96	68 - 135	
1,1,2,2-Tetrachloroethane	ND		5.00	4.49		ug/L		90	66 - 135	
1,2,3-Trichlorobenzene	ND		5.00	4.88		ug/L		98	60 - 135	
1,2,4-Trichlorobenzene	ND		5.00	5.01		ug/L		100	64 - 135	
Toluene	1.9		5.00	6.61		ug/L		94	73 - 120	
1,1,1-Trichloroethane	ND		5.00	4.91		ug/L		98	70 - 135	
1,1,2-Trichloroethane	ND		5.00	4.43		ug/L		89	73 - 135	
Trichloroethene	ND		5.00	4.72		ug/L		94	73 - 135	
Vinyl chloride	2.4		5.00	7.77		ug/L		108	40 - 144	
m-Xylene & p-Xylene	5.1		10.0	14.8		ug/L		97	74 - 135	
o-Xylene	4.1		5.00	8.49		ug/L		89	73 - 135	
Tetrachloroethene	ND		5.00	5.05		ug/L		101	70 - 135	
1,2-Dichlorobenzene	ND		5.00	4.79		ug/L		96	75 - 135	
1,3-Dichlorobenzene	ND		5.00	4.87		ug/L		97	74 - 135	
1,4-Dichlorobenzene	6.2		5.00	11.0		ug/L		96	75 - 135	
cis-1,2-Dichloroethene	0.46	J	5.00	4.94		ug/L		90	73 - 135	
cis-1,3-Dichloropropene	ND		5.00	4.51		ug/L		90	66 - 135	
1,1-Dichloroethane	0.35	J	5.00	5.08		ug/L		95	75 - 135	
1,1-Dichloroethene	0.69	J	5.00	6.26		ug/L		111	71 - 136	
1,2-Dichloroethane	ND		5.00	5.13		ug/L		103	70 - 135	
1,2-Dichloropropane	ND		5.00	4.26		ug/L		85	71 - 120	
Ethylbenzene	26		5.00	31.3	4	ug/L		103	72 - 120	
1,2-Dibromoethane	ND		5.00	4.58		ug/L		92	71 - 135	
Trichlorofluoromethane	ND		5.00	5.20		ug/L		104	47 - 150	
				MS	MS					
Surrogate				%Recovery	Qualifier				Limits	
1,2-Dichloroethane-d4 (Surr)				86					70 - 127	
Toluene-d8 (Surr)				101					80 - 125	
4-Bromofluorobenzene (Surr)				100					78 - 120	
Dibromofluoromethane (Surr)				83					77 - 120	

Lab Sample ID: 280-37417-I-1 MSD

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Acetone	ND		20.0	29.5		ug/L		148	50 - 156	16	41		
2-Butanone (MEK)	ND		20.0	23.2		ug/L		116	44 - 150	9	32		
Benzene	4.5		5.00	9.09		ug/L		92	74 - 135	2	20		
Chlorobenzene	1.2		5.00	5.71		ug/L		90	76 - 135	4	20		
Carbon disulfide	ND		5.00	3.95		ug/L		79	34 - 150	5	20		
Carbon tetrachloride	ND		5.00	4.87		ug/L		97	67 - 135	5	21		
1,2-Dibromo-3-Chloropropane	ND		5.00	4.49	J	ug/L		90	65 - 150	1	22		
Bromomethane	ND		5.00	4.97		ug/L		99	38 - 150	1	24		
Bromoform	ND		5.00	4.04		ug/L		81	62 - 135	1	21		
Chloroethane	ND		5.00	5.53		ug/L		111	46 - 147	5	25		

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37417-I-1 MSD

Matrix: Water

Analysis Batch: 154317

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		5.00	4.39		ug/L		88	76 - 120	1	20
Chlorobromomethane	ND		5.00	4.55		ug/L		91	70 - 135	1	20
Dichlorobromomethane	ND		5.00	4.55		ug/L		91	73 - 135	1	20
Chlorodibromomethane	ND		5.00	4.50		ug/L		90	68 - 135	1	20
Isopropylbenzene	2.9		5.00	7.16		ug/L		85	75 - 135	9	20
2-Hexanone	ND		20.0	74.2	F	ug/L		371	47 - 150	10	25
Chloromethane	ND		5.00	5.02		ug/L		100	34 - 145	7	24
Dichlorodifluoromethane	ND		5.00	5.79		ug/L		116	28 - 152	7	24
trans-1,2-Dichloroethene	0.17	J	5.00	4.99		ug/L		97	75 - 135	2	24
trans-1,3-Dichloropropene	ND		5.00	4.48		ug/L		90	68 - 135	4	20
Methylene Chloride	ND		5.00	3.79		ug/L		76	54 - 141	1	20
Methyl tert-butyl ether	0.69	J	5.00	5.42		ug/L		94	46 - 135	6	21
4-Methyl-2-pentanone (MIBK)	ND		20.0	19.8		ug/L		99	53 - 150	11	22
Styrene	ND		5.00	4.69		ug/L		94	68 - 135	3	20
1,1,2,2-Tetrachloroethane	ND		5.00	4.18		ug/L		84	66 - 135	7	20
1,2,3-Trichlorobenzene	ND		5.00	4.59		ug/L		92	60 - 135	6	29
1,2,4-Trichlorobenzene	ND		5.00	4.78		ug/L		96	64 - 135	5	25
Toluene	1.9		5.00	6.48		ug/L		91	73 - 120	2	20
1,1,1-Trichloroethane	ND		5.00	4.77		ug/L		95	70 - 135	3	20
1,1,2-Trichloroethane	ND		5.00	4.64		ug/L		93	73 - 135	5	21
Trichloroethene	ND		5.00	4.53		ug/L		91	73 - 135	4	20
Vinyl chloride	2.4		5.00	8.14		ug/L		116	40 - 144	5	24
m-Xylene & p-Xylene	5.1		10.0	14.0		ug/L		89	74 - 135	5	20
o-Xylene	4.1		5.00	8.25		ug/L		84	73 - 135	3	20
Tetrachloroethene	ND		5.00	4.58		ug/L		92	70 - 135	10	20
1,2-Dichlorobenzene	ND		5.00	4.62		ug/L		92	75 - 135	4	20
1,3-Dichlorobenzene	ND		5.00	4.58		ug/L		92	74 - 135	6	20
1,4-Dichlorobenzene	6.2		5.00	10.9		ug/L		93	75 - 135	1	23
cis-1,2-Dichloroethene	0.46	J	5.00	4.77		ug/L		86	73 - 135	3	20
cis-1,3-Dichloropropene	ND		5.00	4.31		ug/L		86	66 - 135	5	20
1,1-Dichloroethane	0.35	J	5.00	4.90		ug/L		91	75 - 135	4	21
1,1-Dichloroethene	0.69	J	5.00	6.17		ug/L		110	71 - 136	1	20
1,2-Dichloroethane	ND		5.00	5.21		ug/L		104	70 - 135	2	20
1,2-Dichloropropane	ND		5.00	4.23		ug/L		85	71 - 120	1	20
Ethylbenzene	26		5.00	30.1	4	ug/L		78	72 - 120	4	26
1,2-Dibromoethane	ND		5.00	4.45		ug/L		89	71 - 135	3	20
Trichlorofluoromethane	ND		5.00	5.66		ug/L		113	47 - 150	8	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	89		77 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154326/1-A

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.4	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Benzene	ND		5.0	0.47	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Carbon disulfide	ND		5.0	0.42	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Cyclohexane	ND		5.0	0.40	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Bromomethane	ND		10	0.50	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Bromoform	0.337	J	5.0	0.23	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chloroethane	ND		10	0.89	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chloroform	ND		10	0.29	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
2-Hexanone	ND		20	4.9	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Chloromethane	ND		10	0.77	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Methylene Chloride	ND		5.0	1.6	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Methyl acetate	ND		10	2.8	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Methylcyclohexane	ND		5.0	0.42	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Styrene	ND		5.0	0.63	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Toluene	ND		5.0	0.69	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Trichloroethene	ND		5.0	0.23	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1,2-Trichlorotrifluoroethane	ND		20	0.45	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
o-Xylene	ND		2.5	0.61	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		01/02/13 06:00	01/02/13 10:20	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154326/1-A

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		500	56	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		01/02/13 06:00	01/02/13 10:20	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		01/02/13 06:00	01/02/13 10:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		58 - 140	01/02/13 06:00	01/02/13 10:20	1
Toluene-d8 (Surr)	94		80 - 126	01/02/13 06:00	01/02/13 10:20	1
4-Bromofluorobenzene (Surr)	105		76 - 127	01/02/13 06:00	01/02/13 10:20	1
Dibromofluoromethane (Surr)	87		75 - 121	01/02/13 06:00	01/02/13 10:20	1

Lab Sample ID: LCS 280-154326/2-A

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	217		ug/Kg		108	65 - 150
2-Butanone (MEK)	200	239		ug/Kg		119	45 - 177
Benzene	50.0	47.7		ug/Kg		95	75 - 135
Chlorobenzene	50.0	48.0		ug/Kg		96	78 - 135
Carbon disulfide	50.0	38.7		ug/Kg		77	45 - 150
Carbon tetrachloride	50.0	51.2		ug/Kg		102	69 - 138
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/Kg		93	66 - 150
Bromomethane	50.0	36.3		ug/Kg		73	52 - 135
Bromoform	50.0	46.2		ug/Kg		92	77 - 135
Chloroethane	50.0	45.9		ug/Kg		92	51 - 145
Chloroform	50.0	48.2		ug/Kg		96	73 - 123
Chlorobromomethane	50.0	47.7		ug/Kg		95	74 - 135
Dichlorobromomethane	50.0	47.2		ug/Kg		94	73 - 135
Chlorodibromomethane	50.0	49.8		ug/Kg		100	77 - 135
Isopropylbenzene	50.0	52.0		ug/Kg		104	74 - 137
2-Hexanone	200	193		ug/Kg		96	67 - 150
Chloromethane	50.0	40.7		ug/Kg		81	41 - 138
Dichlorodifluoromethane	50.0	48.9		ug/Kg		98	32 - 152
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	77 - 135
trans-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	71 - 135
Methylene Chloride	50.0	46.7		ug/Kg		93	76 - 136
Methyl tert-butyl ether	50.0	47.9		ug/Kg		96	71 - 141
4-Methyl-2-pentanone (MIBK)	200	209		ug/Kg		105	69 - 150
Styrene	50.0	49.9		ug/Kg		100	76 - 135
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/Kg		97	65 - 135
1,2,3-Trichlorobenzene	50.0	48.0		ug/Kg		96	62 - 135
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	65 - 135
Toluene	50.0	47.9		ug/Kg		96	77 - 122
1,1,1-Trichloroethane	50.0	50.8		ug/Kg		102	70 - 135
1,1,2-Trichloroethane	50.0	46.3		ug/Kg		93	78 - 135
Trichloroethene	50.0	48.1		ug/Kg		96	77 - 135
Vinyl chloride	50.0	41.2		ug/Kg		82	43 - 145

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-154326/2-A

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	97.5		ug/Kg		97	77 - 135
o-Xylene	50.0	48.6		ug/Kg		97	75 - 135
Tetrachloroethene	50.0	49.6		ug/Kg		99	76 - 135
1,2-Dichlorobenzene	50.0	48.3		ug/Kg		97	73 - 135
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	69 - 135
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	73 - 135
cis-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	76 - 135
cis-1,3-Dichloropropene	50.0	48.3		ug/Kg		97	71 - 135
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	70 - 135
1,1-Dichloroethene	50.0	48.1		ug/Kg		96	79 - 135
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	69 - 135
1,2-Dichloropropane	50.0	47.1		ug/Kg		94	72 - 121
Ethylbenzene	50.0	48.1		ug/Kg		96	73 - 125
1,2-Dibromoethane	50.0	48.1		ug/Kg		96	76 - 135
Trichlorofluoromethane	50.0	48.9		ug/Kg		98	48 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		58 - 140
Toluene-d8 (Surr)	89		80 - 126
4-Bromofluorobenzene (Surr)	103		76 - 127
Dibromofluoromethane (Surr)	83		75 - 121

Lab Sample ID: 280-37354-B-1-B MS

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	8.6	J	202	206		ug/Kg	☼	98	65 - 150
2-Butanone (MEK)	ND		202	255		ug/Kg	☼	126	45 - 177
Benzene	ND		50.6	42.1		ug/Kg	☼	83	75 - 135
Chlorobenzene	ND		50.6	41.4		ug/Kg	☼	82	78 - 135
Carbon disulfide	ND		50.6	34.6		ug/Kg	☼	68	45 - 150
Carbon tetrachloride	ND		50.6	43.3		ug/Kg	☼	86	69 - 138
1,2-Dibromo-3-Chloropropane	ND		50.6	38.6		ug/Kg	☼	76	66 - 150
Bromomethane	ND		50.6	32.8		ug/Kg	☼	65	52 - 135
Bromoform	0.30	J B	50.6	40.0		ug/Kg	☼	79	77 - 135
Chloroethane	ND		50.6	41.1		ug/Kg	☼	81	51 - 145
Chloroform	ND		50.6	44.7		ug/Kg	☼	88	73 - 123
Chlorobromomethane	ND		50.6	45.4		ug/Kg	☼	90	74 - 135
Dichlorobromomethane	ND		50.6	43.4		ug/Kg	☼	86	73 - 135
Chlorodibromomethane	ND		50.6	44.9		ug/Kg	☼	89	77 - 135
Isopropylbenzene	ND		50.6	41.2		ug/Kg	☼	82	74 - 137
2-Hexanone	ND		202	173		ug/Kg	☼	86	67 - 150
Chloromethane	ND		50.6	37.3		ug/Kg	☼	74	41 - 138
Dichlorodifluoromethane	ND		50.6	40.8		ug/Kg	☼	81	32 - 152
trans-1,2-Dichloroethene	ND		50.6	42.3		ug/Kg	☼	84	77 - 135
trans-1,3-Dichloropropene	ND		50.6	42.3		ug/Kg	☼	84	71 - 135
Methylene Chloride	1.8	J	50.6	43.5		ug/Kg	☼	83	76 - 136

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37354-B-1-B MS

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methyl tert-butyl ether	ND		50.6	45.5		ug/Kg	*	90	71 - 141	
4-Methyl-2-pentanone (MIBK)	ND		202	197		ug/Kg	*	97	69 - 150	
Styrene	ND		50.6	42.2		ug/Kg	*	84	76 - 135	
1,1,1,2-Tetrachloroethane	ND		50.6	43.2		ug/Kg	*	85	65 - 135	
1,2,3-Trichlorobenzene	ND		50.6	30.2	F	ug/Kg	*	60	62 - 135	
1,2,4-Trichlorobenzene	ND		50.6	31.9	F	ug/Kg	*	63	65 - 135	
Toluene	ND		50.6	42.4		ug/Kg	*	84	77 - 122	
1,1,1-Trichloroethane	ND		50.6	43.6		ug/Kg	*	86	70 - 135	
1,1,2-Trichloroethane	ND		50.6	42.5		ug/Kg	*	84	78 - 135	
Trichloroethene	ND		50.6	42.5		ug/Kg	*	84	77 - 135	
Vinyl chloride	ND		50.6	36.0		ug/Kg	*	71	43 - 145	
m-Xylene & p-Xylene	ND		101	80.2		ug/Kg	*	79	77 - 135	
o-Xylene	ND		50.6	42.3		ug/Kg	*	84	75 - 135	
Tetrachloroethene	ND		50.6	40.9		ug/Kg	*	81	76 - 135	
1,2-Dichlorobenzene	ND		50.6	38.6		ug/Kg	*	76	73 - 135	
1,3-Dichlorobenzene	ND		50.6	38.7		ug/Kg	*	76	69 - 135	
1,4-Dichlorobenzene	ND		50.6	39.6		ug/Kg	*	78	73 - 135	
cis-1,2-Dichloroethene	ND		50.6	42.5		ug/Kg	*	84	76 - 135	
cis-1,3-Dichloropropene	ND		50.6	43.2		ug/Kg	*	85	71 - 135	
1,1-Dichloroethane	ND		50.6	42.5		ug/Kg	*	84	70 - 135	
1,1-Dichloroethene	ND		50.6	41.8		ug/Kg	*	83	79 - 135	
1,2-Dichloroethane	ND		50.6	44.3		ug/Kg	*	88	69 - 135	
1,2-Dichloropropane	ND		50.6	42.5		ug/Kg	*	84	72 - 121	
Ethylbenzene	ND		50.6	40.6		ug/Kg	*	80	73 - 125	
1,2-Dibromoethane	ND		50.6	43.7		ug/Kg	*	86	76 - 135	
Trichlorofluoromethane	ND		50.6	40.1		ug/Kg	*	79	48 - 150	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	86		58 - 140
Toluene-d8 (Surr)	90		80 - 126
4-Bromofluorobenzene (Surr)	101		76 - 127
Dibromofluoromethane (Surr)	87		75 - 121

Lab Sample ID: 280-37354-B-1-C MSD

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	8.6	J	214	211		ug/Kg	*	94	65 - 150	2	28	
2-Butanone (MEK)	ND		214	256		ug/Kg	*	120	45 - 177	0	32	
Benzene	ND		53.6	39.4	F	ug/Kg	*	74	75 - 135	6	20	
Chlorobenzene	ND		53.6	35.1	F	ug/Kg	*	66	78 - 135	16	20	
Carbon disulfide	ND		53.6	32.0		ug/Kg	*	60	45 - 150	8	24	
Carbon tetrachloride	ND		53.6	40.3		ug/Kg	*	75	69 - 138	7	20	
1,2-Dibromo-3-Chloropropane	ND		53.6	38.8		ug/Kg	*	72	66 - 150	1	28	
Bromomethane	ND		53.6	32.5		ug/Kg	*	61	52 - 135	1	22	
Bromoform	0.30	J B	53.6	37.9	F	ug/Kg	*	70	77 - 135	6	20	
Chloroethane	ND		53.6	40.0		ug/Kg	*	75	51 - 145	3	22	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-37354-B-1-C MSD

Matrix: Solid

Analysis Batch: 154355

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 154326

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloroform	ND		53.6	42.5		ug/Kg	*	79	73 - 123	5	20
Chlorobromomethane	ND		53.6	42.9		ug/Kg	*	80	74 - 135	6	21
Dichlorobromomethane	ND		53.6	40.8		ug/Kg	*	76	73 - 135	6	20
Chlorodibromomethane	ND		53.6	40.7	F	ug/Kg	*	76	77 - 135	10	20
Isopropylbenzene	ND		53.6	33.6	F	ug/Kg	*	63	74 - 137	20	20
2-Hexanone	ND		214	172		ug/Kg	*	80	67 - 150	0	29
Chloromethane	ND		53.6	35.9		ug/Kg	*	67	41 - 138	4	25
Dichlorodifluoromethane	ND		53.6	38.0		ug/Kg	*	71	32 - 152	7	28
trans-1,2-Dichloroethene	ND		53.6	40.2	F	ug/Kg	*	75	77 - 135	5	20
trans-1,3-Dichloropropene	ND		53.6	39.3		ug/Kg	*	73	71 - 135	7	20
Methylene Chloride	1.8	J	53.6	42.1	F	ug/Kg	*	75	76 - 136	3	21
Methyl tert-butyl ether	ND		53.6	44.5		ug/Kg	*	83	71 - 141	2	20
4-Methyl-2-pentanone (MIBK)	ND		214	196		ug/Kg	*	91	69 - 150	0	25
Styrene	ND		53.6	36.3	F	ug/Kg	*	68	76 - 135	15	20
1,1,2,2-Tetrachloroethane	ND		53.6	40.9		ug/Kg	*	76	65 - 135	5	21
1,2,3-Trichlorobenzene	ND		53.6	22.3	F	ug/Kg	*	42	62 - 135	30	31
1,2,4-Trichlorobenzene	ND		53.6	22.2	F	ug/Kg	*	41	65 - 135	36	26
Toluene	ND		53.6	38.1	F	ug/Kg	*	71	77 - 122	11	20
1,1,1-Trichloroethane	ND		53.6	41.4		ug/Kg	*	77	70 - 135	5	20
1,1,2-Trichloroethane	ND		53.6	41.5	F	ug/Kg	*	77	78 - 135	2	20
Trichloroethene	ND		53.6	39.2	F	ug/Kg	*	73	77 - 135	8	20
Vinyl chloride	ND		53.6	34.6		ug/Kg	*	64	43 - 145	4	24
m-Xylene & p-Xylene	ND		107	67.5	F	ug/Kg	*	63	77 - 135	17	20
o-Xylene	ND		53.6	35.6	F	ug/Kg	*	66	75 - 135	17	20
Tetrachloroethene	ND		53.6	34.9	F	ug/Kg	*	65	76 - 135	16	20
1,2-Dichlorobenzene	ND		53.6	30.4	F	ug/Kg	*	57	73 - 135	24	20
1,3-Dichlorobenzene	ND		53.6	29.7	F	ug/Kg	*	55	69 - 135	26	20
1,4-Dichlorobenzene	ND		53.6	30.1	F	ug/Kg	*	56	73 - 135	27	22
cis-1,2-Dichloroethene	ND		53.6	40.3	F	ug/Kg	*	75	76 - 135	5	20
cis-1,3-Dichloropropene	ND		53.6	38.5		ug/Kg	*	72	71 - 135	11	20
1,1-Dichloroethane	ND		53.6	41.1		ug/Kg	*	77	70 - 135	3	20
1,1-Dichloroethene	ND		53.6	40.3	F	ug/Kg	*	75	79 - 135	4	20
1,2-Dichloroethane	ND		53.6	42.8		ug/Kg	*	80	69 - 135	3	20
1,2-Dichloropropane	ND		53.6	39.3		ug/Kg	*	73	72 - 121	8	20
Ethylbenzene	ND		53.6	34.1	F	ug/Kg	*	64	73 - 125	17	20
1,2-Dibromoethane	ND		53.6	40.5		ug/Kg	*	76	76 - 135	8	20
Trichlorofluoromethane	ND		53.6	37.7		ug/Kg	*	70	48 - 150	6	33

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		58 - 140
Toluene-d8 (Surr)	86		80 - 126
4-Bromofluorobenzene (Surr)	100		76 - 127
Dibromofluoromethane (Surr)	85		75 - 121

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-154062/1-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.8	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.7	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,2,4-Trichlorobenzene	ND		4.0	0.28	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,2-Dichlorobenzene	ND		4.0	0.23	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,3-Dichlorobenzene	ND		10	0.30	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,4-Dichlorobenzene	ND		4.0	0.32	ug/L		12/28/12 11:36	12/31/12 16:50	1
1,4-Dioxane	ND		20	1.7	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4,6-Trichlorophenol	ND		10	0.29	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4-Dichlorophenol	ND		10	0.64	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,2'-oxybis[1-chloropropane]	ND		10	0.28	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,3,4,6-Tetrachlorophenol	ND		50	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4,5-Trichlorophenol	ND		10	0.45	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4-Dimethylphenol	ND		10	0.58	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4-Dinitrophenol	ND		30	10	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		12/28/12 11:36	12/31/12 16:50	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Chloronaphthalene	ND		4.0	0.26	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Chlorophenol	ND		10	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Methylnaphthalene	ND		4.0	0.29	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Methylphenol	ND		10	0.98	ug/L		12/28/12 11:36	12/31/12 16:50	1
3 & 4 Methylphenol	ND		10	0.25	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Nitroaniline	ND		10	1.7	ug/L		12/28/12 11:36	12/31/12 16:50	1
2-Nitrophenol	ND		10	0.39	ug/L		12/28/12 11:36	12/31/12 16:50	1
3,3'-Dichlorobenzidine	ND		50	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
3-Nitroaniline	ND		10	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Bromophenyl phenyl ether	ND		10	0.43	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Chloroaniline	ND		10	2.1	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Chlorophenyl phenyl ether	ND		10	1.7	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Nitroaniline	ND		10	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
4-Nitrophenol	ND		10	1.2	ug/L		12/28/12 11:36	12/31/12 16:50	1
Acenaphthene	ND		4.0	0.28	ug/L		12/28/12 11:36	12/31/12 16:50	1
Acenaphthylene	ND		4.0	0.49	ug/L		12/28/12 11:36	12/31/12 16:50	1
Acetophenone	ND		10	0.24	ug/L		12/28/12 11:36	12/31/12 16:50	1
Anthracene	ND		4.0	0.42	ug/L		12/28/12 11:36	12/31/12 16:50	1
Atrazine	ND		10	0.73	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzaldehyde	ND		10	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		12/28/12 11:36	12/31/12 16:50	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		12/28/12 11:36	12/31/12 16:50	1
Bis(2-chloroethoxy)methane	ND		10	0.97	ug/L		12/28/12 11:36	12/31/12 16:50	1
Bis(2-chloroethyl)ether	ND		10	0.41	ug/L		12/28/12 11:36	12/31/12 16:50	1
Bis(2-ethylhexyl) phthalate	ND		10	0.56	ug/L		12/28/12 11:36	12/31/12 16:50	1
Butyl benzyl phthalate	ND		4.0	1.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
Caprolactam	ND		10	5.0	ug/L		12/28/12 11:36	12/31/12 16:50	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-154062/1-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154062

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbazole	ND		4.0	0.43	ug/L		12/28/12 11:36	12/31/12 16:50	1
Chrysene	ND		4.0	0.54	ug/L		12/28/12 11:36	12/31/12 16:50	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		12/28/12 11:36	12/31/12 16:50	1
Di-n-butyl phthalate	ND		4.0	1.2	ug/L		12/28/12 11:36	12/31/12 16:50	1
Di-n-octyl phthalate	ND		4.0	0.35	ug/L		12/28/12 11:36	12/31/12 16:50	1
Dibenzofuran	ND		4.0	0.29	ug/L		12/28/12 11:36	12/31/12 16:50	1
Diethyl phthalate	ND		4.0	0.38	ug/L		12/28/12 11:36	12/31/12 16:50	1
Dimethyl phthalate	ND		4.0	0.21	ug/L		12/28/12 11:36	12/31/12 16:50	1
Fluoranthene	ND		4.0	0.20	ug/L		12/28/12 11:36	12/31/12 16:50	1
Fluorene	ND		4.0	0.31	ug/L		12/28/12 11:36	12/31/12 16:50	1
Hexachlorobenzene	ND		10	0.66	ug/L		12/28/12 11:36	12/31/12 16:50	1
Hexachlorobutadiene	ND		10	3.3	ug/L		12/28/12 11:36	12/31/12 16:50	1
Hexachlorocyclopentadiene	ND		50	10	ug/L		12/28/12 11:36	12/31/12 16:50	1
Hexachloroethane	ND		10	2.1	ug/L		12/28/12 11:36	12/31/12 16:50	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		12/28/12 11:36	12/31/12 16:50	1
Isophorone	ND		10	0.21	ug/L		12/28/12 11:36	12/31/12 16:50	1
N-Nitrosodi-n-propylamine	ND		10	0.35	ug/L		12/28/12 11:36	12/31/12 16:50	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10	0.44	ug/L		12/28/12 11:36	12/31/12 16:50	1
Naphthalene	ND		4.0	0.29	ug/L		12/28/12 11:36	12/31/12 16:50	1
Nitrobenzene	ND		10	0.81	ug/L		12/28/12 11:36	12/31/12 16:50	1
Pentachlorophenol	ND		50	20	ug/L		12/28/12 11:36	12/31/12 16:50	1
Phenanthrene	ND		4.0	0.26	ug/L		12/28/12 11:36	12/31/12 16:50	1
Phenol	ND		10	2.0	ug/L		12/28/12 11:36	12/31/12 16:50	1
Pyrene	ND		10	0.37	ug/L		12/28/12 11:36	12/31/12 16:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol	76		51 - 120	12/28/12 11:36	12/31/12 16:50	1
Phenol-d5	82		51 - 120	12/28/12 11:36	12/31/12 16:50	1
2,4,6-Tribromophenol	98		57 - 120	12/28/12 11:36	12/31/12 16:50	1
2-Fluorobiphenyl	78		38 - 120	12/28/12 11:36	12/31/12 16:50	1
Nitrobenzene-d5	81		48 - 120	12/28/12 11:36	12/31/12 16:50	1
Terphenyl-d14	91		50 - 120	12/28/12 11:36	12/31/12 16:50	1

Lab Sample ID: LCS 280-154062/2-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2-Dichlorobenzene	80.0	58.0		ug/L		73	28 - 120
1,3-Dichlorobenzene	80.0	55.1		ug/L		69	24 - 120
1,4-Dichlorobenzene	80.0	56.1		ug/L		70	25 - 120
2,4,6-Trichlorophenol	80.0	73.2		ug/L		91	62 - 120
2,4-Dichlorophenol	80.0	68.6		ug/L		86	62 - 120
2,2'-oxybis[1-chloropropane]	80.0	55.7		ug/L		70	49 - 120
2,4,5-Trichlorophenol	80.0	72.7		ug/L		91	64 - 120
2,4-Dimethylphenol	80.0	54.9		ug/L		69	44 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-154062/2-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154062

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
2,4-Dinitrophenol	80.0	70.9		ug/L		89	55 - 120
2,4-Dinitrotoluene	80.0	76.8		ug/L		96	76 - 120
2,6-Dinitrotoluene	80.0	73.8		ug/L		92	73 - 120
2-Chloronaphthalene	80.0	63.9		ug/L		80	51 - 120
2-Chlorophenol	80.0	65.8		ug/L		82	58 - 120
2-Methylnaphthalene	80.0	60.8		ug/L		76	42 - 120
2-Methylphenol	80.0	62.0		ug/L		78	62 - 120
3 & 4 Methylphenol	160	126		ug/L		79	58 - 120
2-Nitroaniline	80.0	70.5		ug/L		88	70 - 120
2-Nitrophenol	80.0	71.8		ug/L		90	59 - 120
3,3'-Dichlorobenzidine	80.0	40.4	J	ug/L		50	10 - 120
3-Nitroaniline	80.0	71.5		ug/L		89	70 - 120
4,6-Dinitro-2-methylphenol	80.0	80.4		ug/L		100	63 - 125
4-Bromophenyl phenyl ether	80.0	71.4		ug/L		89	69 - 120
4-Chloro-3-methylphenol	80.0	69.9		ug/L		87	69 - 120
4-Chloroaniline	80.0	61.9		ug/L		77	60 - 120
4-Chlorophenyl phenyl ether	80.0	69.7		ug/L		87	67 - 120
4-Nitroaniline	80.0	75.1		ug/L		94	70 - 120
4-Nitrophenol	80.0	76.8		ug/L		96	59 - 129
Acenaphthene	80.0	65.3		ug/L		82	61 - 120
Acenaphthylene	80.0	67.0		ug/L		84	63 - 120
Anthracene	80.0	68.8		ug/L		86	71 - 120
Benzo[a]pyrene	80.0	61.2		ug/L		76	63 - 120
Benzo[b]fluoranthene	80.0	69.7		ug/L		87	65 - 120
Benzo[g,h,i]perylene	80.0	73.6		ug/L		92	69 - 120
Benzo[k]fluoranthene	80.0	70.7		ug/L		88	66 - 120
Benzo[a]anthracene	80.0	70.8		ug/L		88	71 - 120
Bis(2-chloroethoxy)methane	80.0	64.5		ug/L		81	64 - 120
Bis(2-chloroethyl)ether	80.0	63.9		ug/L		80	60 - 120
Bis(2-ethylhexyl) phthalate	80.0	76.1		ug/L		95	62 - 133
Butyl benzyl phthalate	80.0	72.2		ug/L		90	71 - 120
Carbazole	80.0	71.1		ug/L		89	72 - 120
Chrysene	80.0	71.2		ug/L		89	69 - 120
Dibenz(a,h)anthracene	80.0	73.0		ug/L		91	63 - 120
Di-n-butyl phthalate	80.0	74.0		ug/L		93	75 - 120
Di-n-octyl phthalate	80.0	71.2		ug/L		89	71 - 120
Diethyl phthalate	80.0	73.4		ug/L		92	73 - 120
Dimethyl phthalate	80.0	72.3		ug/L		90	73 - 120
Fluoranthene	80.0	72.5		ug/L		91	73 - 120
Fluorene	80.0	67.9		ug/L		85	68 - 120
Hexachlorobenzene	80.0	71.2		ug/L		89	69 - 120
Hexachlorobutadiene	80.0	56.5		ug/L		71	24 - 120
Hexachlorocyclopentadiene	80.0	20.5	J	ug/L		26	10 - 120
Hexachloroethane	80.0	53.1		ug/L		66	21 - 120
Indeno[1,2,3-cd]pyrene	80.0	70.5		ug/L		88	63 - 120
Isophorone	80.0	66.1		ug/L		83	65 - 120
N-Nitrosodi-n-propylamine	80.0	63.8		ug/L		80	58 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-154062/2-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Nitrosodiphenylamine(as diphenylamine)	68.3	57.0		ug/L		84	66 - 120
Naphthalene	80.0	62.1		ug/L		78	39 - 120
Nitrobenzene	80.0	64.9		ug/L		81	59 - 120
Pentachlorophenol	80.0	72.7		ug/L		91	57 - 120
Phenanthrene	80.0	71.4		ug/L		89	71 - 120
Phenol	80.0	63.7		ug/L		80	61 - 120
Pyrene	80.0	70.5		ug/L		88	71 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	78		51 - 120
Phenol-d5	82		51 - 120
2,4,6-Tribromophenol	106		57 - 120
2-Fluorobiphenyl	81		38 - 120
Nitrobenzene-d5	82		48 - 120
Terphenyl-d14	90		50 - 120

Lab Sample ID: LCSD 280-154062/3-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 154062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,2,4-Trichlorobenzene	80.0	59.4		ug/L		74	28 - 120	1	42
1,2-Dichlorobenzene	80.0	57.9		ug/L		72	28 - 120	0	49
1,3-Dichlorobenzene	80.0	55.4		ug/L		69	24 - 120	0	52
1,4-Dichlorobenzene	80.0	55.6		ug/L		69	25 - 120	1	52
2,4,6-Trichlorophenol	80.0	72.3		ug/L		90	62 - 120	1	30
2,4-Dichlorophenol	80.0	68.4		ug/L		86	62 - 120	0	30
2,2'-oxybis[1-chloropropane]	80.0	54.7		ug/L		68	49 - 120	2	30
2,4,5-Trichlorophenol	80.0	71.2		ug/L		89	64 - 120	2	30
2,4-Dimethylphenol	80.0	53.6		ug/L		67	44 - 120	2	30
2,4-Dinitrophenol	80.0	67.3		ug/L		84	55 - 120	5	49
2,4-Dinitrotoluene	80.0	75.2		ug/L		94	76 - 120	2	32
2,6-Dinitrotoluene	80.0	72.0		ug/L		90	73 - 120	2	30
2-Chloronaphthalene	80.0	63.8		ug/L		80	51 - 120	0	30
2-Chlorophenol	80.0	64.2		ug/L		80	58 - 120	2	30
2-Methylnaphthalene	80.0	61.1		ug/L		76	42 - 120	0	32
2-Methylphenol	80.0	61.2		ug/L		76	62 - 120	1	30
3 & 4 Methylphenol	160	123		ug/L		77	58 - 120	2	30
2-Nitroaniline	80.0	68.8		ug/L		86	70 - 120	3	30
2-Nitrophenol	80.0	71.2		ug/L		89	59 - 120	1	30
3,3'-Dichlorobenzidine	80.0	41.7	J	ug/L		52	10 - 120	3	30
3-Nitroaniline	80.0	70.2		ug/L		88	70 - 120	2	35
4,6-Dinitro-2-methylphenol	80.0	78.3		ug/L		98	63 - 125	3	37
4-Bromophenyl phenyl ether	80.0	69.3		ug/L		87	69 - 120	3	31
4-Chloro-3-methylphenol	80.0	70.3		ug/L		88	69 - 120	1	30
4-Chloroaniline	80.0	61.4		ug/L		77	60 - 120	1	54
4-Chlorophenyl phenyl ether	80.0	69.0		ug/L		86	67 - 120	1	30

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-154062/3-A

Matrix: Water

Analysis Batch: 154290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 154062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
4-Nitroaniline	80.0	73.9		ug/L		92	70 - 120	2	34	
4-Nitrophenol	80.0	77.5		ug/L		97	59 - 129	1	35	
Acenaphthene	80.0	65.0		ug/L		81	61 - 120	0	30	
Acenaphthylene	80.0	66.1		ug/L		83	63 - 120	1	30	
Anthracene	80.0	66.6		ug/L		83	71 - 120	3	30	
Benzo[a]pyrene	80.0	60.1		ug/L		75	63 - 120	2	30	
Benzo[b]fluoranthene	80.0	72.5		ug/L		91	65 - 120	4	38	
Benzo[g,h,i]perylene	80.0	71.0		ug/L		89	69 - 120	4	30	
Benzo[k]fluoranthene	80.0	64.1		ug/L		80	66 - 120	10	37	
Benzo[a]anthracene	80.0	68.0		ug/L		85	71 - 120	4	30	
Bis(2-chloroethoxy)methane	80.0	63.5		ug/L		79	64 - 120	2	30	
Bis(2-chloroethyl)ether	80.0	63.0		ug/L		79	60 - 120	1	34	
Bis(2-ethylhexyl) phthalate	80.0	73.1		ug/L		91	62 - 133	4	30	
Butyl benzyl phthalate	80.0	70.2		ug/L		88	71 - 120	3	30	
Carbazole	80.0	68.6		ug/L		86	72 - 120	4	30	
Chrysene	80.0	69.2		ug/L		87	69 - 120	3	30	
Dibenz(a,h)anthracene	80.0	71.3		ug/L		89	63 - 120	2	30	
Di-n-butyl phthalate	80.0	71.5		ug/L		89	75 - 120	3	30	
Di-n-octyl phthalate	80.0	69.7		ug/L		87	71 - 120	2	30	
Diethyl phthalate	80.0	71.3		ug/L		89	73 - 120	3	30	
Dimethyl phthalate	80.0	70.3		ug/L		88	73 - 120	3	30	
Fluoranthene	80.0	69.6		ug/L		87	73 - 120	4	34	
Fluorene	80.0	66.8		ug/L		83	68 - 120	2	30	
Hexachlorobenzene	80.0	69.7		ug/L		87	69 - 120	2	30	
Hexachlorobutadiene	80.0	56.4		ug/L		70	24 - 120	0	47	
Hexachlorocyclopentadiene	80.0	22.8	J	ug/L		29	10 - 120	10	72	
Hexachloroethane	80.0	52.1		ug/L		65	21 - 120	2	57	
Indeno[1,2,3-cd]pyrene	80.0	68.2		ug/L		85	63 - 120	3	30	
Isophorone	80.0	65.9		ug/L		82	65 - 120	0	30	
N-Nitrosodi-n-propylamine	80.0	62.8		ug/L		79	58 - 120	1	30	
n-Nitrosodiphenylamine(as diphenylamine)	68.3	55.5		ug/L		81	66 - 120	3	37	
Naphthalene	80.0	61.7		ug/L		77	39 - 120	1	34	
Nitrobenzene	80.0	64.0		ug/L		80	59 - 120	1	30	
Pentachlorophenol	80.0	70.8		ug/L		89	57 - 120	3	33	
Phenanthrene	80.0	68.1		ug/L		85	71 - 120	5	30	
Phenol	80.0	64.1		ug/L		80	61 - 120	1	42	
Pyrene	80.0	68.2		ug/L		85	71 - 120	3	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorophenol	76		51 - 120
Phenol-d5	82		51 - 120
2,4,6-Tribromophenol	103		57 - 120
2-Fluorobiphenyl	78		38 - 120
Nitrobenzene-d5	81		48 - 120
Terphenyl-d14	86		50 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-153994/1-A

Matrix: Solid

Analysis Batch: 154507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.53	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
4,4'-DDE	ND		1.6	0.23	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
4,4'-DDT	ND		1.6	0.57	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Aldrin	ND		1.6	0.24	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
alpha-BHC	ND		1.6	0.21	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
beta-BHC	ND		1.6	0.64	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Chlordane (n.o.s.)	0.713	J	1.6	0.21	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
delta-BHC	ND		1.6	0.39	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Dieldrin	ND		1.6	0.20	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Endosulfan I	ND		1.6	0.17	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Endosulfan II	ND		1.6	0.28	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Endosulfan sulfate	ND		1.6	0.27	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Endrin	ND		1.6	0.30	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Endrin aldehyde	ND		1.6	0.17	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
gamma-BHC (Lindane)	ND		1.6	0.45	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Heptachlor	ND		1.6	0.21	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Heptachlor epoxide	ND		1.6	0.41	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Methoxychlor	ND		3.2	0.44	ug/Kg		12/28/12 09:48	01/03/13 17:33	1
Toxaphene	ND		65	15	ug/Kg		12/28/12 09:48	01/03/13 17:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		63 - 124	12/28/12 09:48	01/03/13 17:33	1
Tetrachloro-m-xylene	83		59 - 115	12/28/12 09:48	01/03/13 17:33	1

Lab Sample ID: LCS 280-153994/2-A

Matrix: Solid

Analysis Batch: 154507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	17.3		ug/Kg		104	54 - 130
4,4'-DDE	16.7	17.4		ug/Kg		104	58 - 121
4,4'-DDT	16.7	17.1		ug/Kg		103	57 - 133
Aldrin	16.7	16.1		ug/Kg		97	63 - 115
alpha-BHC	16.7	16.0		ug/Kg		96	64 - 116
beta-BHC	16.7	16.5		ug/Kg		99	67 - 115
delta-BHC	16.7	16.8		ug/Kg		101	67 - 115
Dieldrin	16.7	16.9		ug/Kg		101	65 - 127
Endosulfan I	16.7	15.9		ug/Kg		95	65 - 118
Endosulfan II	16.7	16.9		ug/Kg		101	71 - 118
Endosulfan sulfate	16.7	16.3		ug/Kg		98	67 - 123
Endrin	16.7	19.1		ug/Kg		115	77 - 134
Endrin aldehyde	16.7	13.4		ug/Kg		80	47 - 115
gamma-BHC (Lindane)	16.7	16.4		ug/Kg		98	63 - 118
Heptachlor	16.7	16.4		ug/Kg		98	68 - 115
Methoxychlor	16.7	16.8		ug/Kg		101	67 - 130

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-153994/2-A
Matrix: Solid
Analysis Batch: 154507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153994

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	104		63 - 124
Tetrachloro-m-xylene	95		59 - 115

Lab Sample ID: 280-37374-6 MS
Matrix: Solid
Analysis Batch: 154637

Client Sample ID: NE-02-4
Prep Type: Total/NA
Prep Batch: 153994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier				Limit1	Limit2
4,4'-DDD	ND		18.2	22.8	D	ug/Kg	*	125	54 - 130	
4,4'-DDE	58		18.2	75.1	D	ug/Kg	*	94	58 - 121	
4,4'-DDT	98		18.2	110	4 D	ug/Kg	*	69	57 - 133	
Aldrin	ND		18.2	6.14	J D	ug/Kg	*	34	63 - 115	
alpha-BHC	ND		18.2	15.4	J D	ug/Kg	*	85	64 - 116	
beta-BHC	ND		18.2	14.7	J D	ug/Kg	*	81	67 - 115	
delta-BHC	ND		18.2	14.9	J D	ug/Kg	*	82	67 - 115	
Dieldrin	ND		18.2	15.1	J D	ug/Kg	*	83	65 - 127	
Endosulfan I	ND		18.2	13.8	J D	ug/Kg	*	76	65 - 118	
Endosulfan II	ND		18.2	14.7	J D	ug/Kg	*	81	71 - 118	
Endosulfan sulfate	ND		18.2	12.8	J D	ug/Kg	*	70	67 - 123	
Endrin	ND		18.2	17.7	J D	ug/Kg	*	97	77 - 134	
Endrin aldehyde	ND		18.2	8.45	J D	ug/Kg	*	46	47 - 115	
gamma-BHC (Lindane)	ND		18.2	14.5	J D	ug/Kg	*	80	63 - 118	
Heptachlor	ND		18.2	13.7	J D	ug/Kg	*	75	68 - 115	
Methoxychlor	ND		18.2	13.9	J D	ug/Kg	*	76	67 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	81	D	63 - 124
Tetrachloro-m-xylene	62	D	59 - 115

Lab Sample ID: 280-37374-6 MSD
Matrix: Solid
Analysis Batch: 154637

Client Sample ID: NE-02-4
Prep Type: Total/NA
Prep Batch: 153994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits		RPD	
				Result	Qualifier				Limit1	Limit2	RPD	Limit
4,4'-DDD	ND		17.3	20.3	D	ug/Kg	*	117	54 - 130	12	20	
4,4'-DDE	58		17.3	49.5	D	ug/Kg	*	-50	58 - 121	41	15	
4,4'-DDT	98		17.3	69.6	4 D	ug/Kg	*	-162	57 - 133	45	29	
Aldrin	ND		17.3	14.8	J D	ug/Kg	*	85	63 - 115	82	50	
alpha-BHC	ND		17.3	15.3	J D	ug/Kg	*	88	64 - 116	1	17	
beta-BHC	ND		17.3	15.0	J D	ug/Kg	*	86	67 - 115	2	17	
delta-BHC	ND		17.3	15.3	J D	ug/Kg	*	89	67 - 115	3	19	
Dieldrin	ND		17.3	15.3	J D	ug/Kg	*	88	65 - 127	1	25	
Endosulfan I	ND		17.3	13.8	J D	ug/Kg	*	80	65 - 118	0	26	
Endosulfan II	ND		17.3	14.7	J D	ug/Kg	*	85	71 - 118	0	20	
Endosulfan sulfate	ND		17.3	12.9	J D	ug/Kg	*	74	67 - 123	0	22	
Endrin	ND		17.3	17.4	J D	ug/Kg	*	100	77 - 134	2	30	
Endrin aldehyde	ND		17.3	8.91	J D	ug/Kg	*	51	47 - 115	5	29	
gamma-BHC (Lindane)	ND		17.3	14.7	J D	ug/Kg	*	85	63 - 118	1	24	

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-37374-6 MSD

Matrix: Solid

Analysis Batch: 154637

Client Sample ID: NE-02-4

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Heptachlor	ND		17.3	13.9	J D	ug/Kg	✱	80	68 - 115	2	18
Methoxychlor	ND		17.3	17.7	J D	ug/Kg	✱	102	67 - 130	24	23
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	99	D	63 - 124								
Tetrachloro-m-xylene	67	D	59 - 115								

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-153994/1-A

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153994

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
PCB-1016	ND		32	4.9	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1221	ND		45	15	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1232	ND		32	5.0	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1242	ND		32	8.8	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1248	ND		32	5.4	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1254	ND		32	5.3	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1260	ND		32	2.6	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1262	ND		32	11	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
PCB-1268	ND		32	3.8	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
Polychlorinated biphenyls, Total	ND		32	2.6	ug/Kg		12/28/12 09:48	01/03/13 02:29	1	
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac				
DCB Decachlorobiphenyl	84		59 - 130	12/28/12 09:48	01/03/13 02:29	1				
Tetrachloro-m-xylene	93		53 - 128	12/28/12 09:48	01/03/13 02:29	1				

Lab Sample ID: LCS 280-153994/3-A

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result				Qualifier
PCB-1016	66.4	62.5		ug/Kg		94	54 - 132
PCB-1260	66.4	58.2		ug/Kg		88	62 - 129
Surrogate	%Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	85		59 - 130				
Tetrachloro-m-xylene	95		53 - 128				

Lab Sample ID: 280-37374-6 MS

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: NE-02-4

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
PCB-1016	ND		67.8	54.9		ug/Kg	✱	81	54 - 132

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 280-37374-6 MS

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: NE-02-4

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
PCB-1260	ND		67.8	49.2		ug/Kg	✖	73		62 - 129
Surrogate	%Recovery	MS Qualifier	Limits							
DCB Decachlorobiphenyl	65		59 - 130							
Tetrachloro-m-xylene	85		53 - 128							

Lab Sample ID: 280-37374-6 MSD

Matrix: Solid

Analysis Batch: 154408

Client Sample ID: NE-02-4

Prep Type: Total/NA

Prep Batch: 153994

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
PCB-1016	ND		71.8	59.6		ug/Kg	✖	83		54 - 132	8	36
PCB-1260	ND		71.8	54.6		ug/Kg	✖	76		62 - 129	10	44
Surrogate	%Recovery	MSD Qualifier	Limits									
DCB Decachlorobiphenyl	67		59 - 130									
Tetrachloro-m-xylene	85		53 - 128									

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-154354/1-A

Matrix: Solid

Analysis Batch: 154642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154354

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	ND		78	14	ug/Kg		01/02/13 12:00	01/04/13 13:06	1
Dinoseb	ND		12	1.4	ug/Kg		01/02/13 12:00	01/04/13 13:06	1
2,4,5-T	ND		20	2.3	ug/Kg		01/02/13 12:00	01/04/13 13:06	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		01/02/13 12:00	01/04/13 13:06	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	63		31 - 105				01/02/13 12:00	01/04/13 13:06	1

Lab Sample ID: LCS 280-154354/2-A

Matrix: Solid

Analysis Batch: 154642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154354

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
2,4-D	89.7	84.5		ug/Kg		94		32 - 115
Dinoseb	89.7	7.20	J	ug/Kg		8		5 - 166
2,4,5-T	93.6	88.2		ug/Kg		94		24 - 115
Silvex (2,4,5-TP)	89.7	84.7		ug/Kg		94		53 - 134
Surrogate	%Recovery	LCS Qualifier	Limits					
2,4-Dichlorophenylacetic acid	78		31 - 105					

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-37374-1 MS

Matrix: Solid

Analysis Batch: 154642

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154354

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
2,4-D	ND		99.4	ND	D	ug/Kg	☼	0		32 - 115
Dinoseb	ND		99.4	ND	D	ug/Kg	☼	0		5 - 166
2,4,5-T	ND		104	84.5	J D	ug/Kg	☼	81		24 - 115
Silvex (2,4,5-TP)	ND		99.4	65.8	J D	ug/Kg	☼	66		53 - 134

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	96	D	31 - 105

Lab Sample ID: 280-37374-1 MSD

Matrix: Solid

Analysis Batch: 154642

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154354

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
2,4-D	ND		99.8	84.4	J D	ug/Kg	☼	85		32 - 115	NC	40
Dinoseb	ND		99.8	ND	D	ug/Kg	☼	0		5 - 166	NC	50
2,4,5-T	ND		104	91.2	J D	ug/Kg	☼	88		24 - 115	8	40
Silvex (2,4,5-TP)	ND		99.8	74.8	J D	ug/Kg	☼	75		53 - 134	13	40

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	107	D	31 - 105

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-153926/1-A

Matrix: Solid

Analysis Batch: 154337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 153926

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		2000	660	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Barium	ND		1000	76	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Cadmium	ND		500	41	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Chromium	ND		1500	58	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Lead	ND		800	270	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Selenium	ND		1300	860	ug/Kg		12/28/12 12:00	12/31/12 18:11	1
Silver	ND		1000	160	ug/Kg		12/28/12 12:00	12/31/12 18:11	1

Lab Sample ID: LCS 280-153926/2-A

Matrix: Solid

Analysis Batch: 154337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153926

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
Arsenic	100000	99400		ug/Kg		99		85 - 110
Barium	200000	200000		ug/Kg		100		87 - 112
Cadmium	10000	10400		ug/Kg		104		87 - 110
Chromium	20000	20000		ug/Kg		100		84 - 114
Lead	50000	49800		ug/Kg		100		86 - 110
Selenium	200000	197000		ug/Kg		98		83 - 110

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-153926/2-A
Matrix: Solid
Analysis Batch: 154337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5000	5000		ug/Kg		100	87 - 114

Lab Sample ID: 280-37374-1 MS
Matrix: Solid
Analysis Batch: 154337

Client Sample ID: SW-01-0
Prep Type: Total/NA
Prep Batch: 153926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	3500		111000	104000		ug/Kg	*	90	76 - 111
Barium	160000		221000	388000		ug/Kg	*	103	52 - 159
Cadmium	170	J	11100	10500		ug/Kg	*	94	40 - 130
Chromium	10000		22100	32300		ug/Kg	*	99	70 - 200
Lead	35000		55300	85800		ug/Kg	*	93	70 - 200
Selenium	880	J	221000	194000		ug/Kg	*	87	76 - 104
Silver	ND		5530	5040		ug/Kg	*	91	75 - 141

Lab Sample ID: 280-37374-1 MSD
Matrix: Solid
Analysis Batch: 154337

Client Sample ID: SW-01-0
Prep Type: Total/NA
Prep Batch: 153926

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3500		111000	104000		ug/Kg	*	91	76 - 111	0	20
Barium	160000		221000	357000		ug/Kg	*	88	52 - 159	8	20
Cadmium	170	J	11100	10600		ug/Kg	*	94	40 - 130	0	20
Chromium	10000		22100	31000		ug/Kg	*	94	70 - 200	4	20
Lead	35000		55300	82500		ug/Kg	*	87	70 - 200	4	20
Selenium	880	J	221000	196000		ug/Kg	*	88	76 - 104	1	20
Silver	ND		5530	4990		ug/Kg	*	90	75 - 141	1	20

Lab Sample ID: MB 280-153928/1-A
Matrix: Water
Analysis Batch: 154235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 07:30	12/28/12 19:41	1
Barium	ND		10	0.58	ug/L		12/28/12 07:30	12/28/12 19:41	1
Cadmium	ND		5.0	0.45	ug/L		12/28/12 07:30	12/28/12 19:41	1
Chromium	ND		10	0.66	ug/L		12/28/12 07:30	12/28/12 19:41	1
Lead	ND		9.0	2.6	ug/L		12/28/12 07:30	12/28/12 19:41	1
Selenium	ND		15	4.9	ug/L		12/28/12 07:30	12/28/12 19:41	1
Silver	ND		10	0.93	ug/L		12/28/12 07:30	12/28/12 19:41	1

Lab Sample ID: LCS 280-153928/2-A
Matrix: Water
Analysis Batch: 154235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1090		ug/L		109	88 - 110
Barium	2000	2030		ug/L		102	90 - 112
Cadmium	100	110		ug/L		110	88 - 111

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-153928/2-A

Matrix: Water

Analysis Batch: 154235

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 153928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	214		ug/L		107	90 - 113
Lead	500	521		ug/L		104	89 - 110
Selenium	2000	2110		ug/L		105	85 - 112
Silver	50.0	53.9		ug/L		108	86 - 115

Lab Sample ID: 280-37374-4 MS

Matrix: Water

Analysis Batch: 154235

Client Sample ID: SW-01-GW

Prep Type: Total/NA

Prep Batch: 153928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	7.2	J	1000	1080		ug/L		108	84 - 124
Barium	430		2000	2430		ug/L		100	85 - 120
Cadmium	0.68	J	100	108		ug/L		107	82 - 119
Chromium	28		200	243		ug/L		107	73 - 135
Lead	21		500	515		ug/L		99	89 - 121
Selenium	12	J	2000	2080		ug/L		104	71 - 140
Silver	ND		50.0	54.6		ug/L		109	75 - 141

Lab Sample ID: 280-37374-4 MSD

Matrix: Water

Analysis Batch: 154235

Client Sample ID: SW-01-GW

Prep Type: Total/NA

Prep Batch: 153928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	7.2	J	1000	1080		ug/L		108	84 - 124	0	20
Barium	430		2000	2450		ug/L		101	85 - 120	1	20
Cadmium	0.68	J	100	108		ug/L		107	82 - 119	0	20
Chromium	28		200	243		ug/L		108	73 - 135	0	20
Lead	21		500	517		ug/L		99	89 - 121	0	20
Selenium	12	J	2000	2090		ug/L		104	71 - 140	0	20
Silver	ND		50.0	54.1		ug/L		108	75 - 141	1	20

Lab Sample ID: MB 280-153929/1-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 153929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.4	ug/L		12/28/12 12:00	12/31/12 20:06	1
Barium	0.690	J	10	0.58	ug/L		12/28/12 12:00	12/31/12 20:06	1
Cadmium	ND		5.0	0.45	ug/L		12/28/12 12:00	12/31/12 20:06	1
Chromium	ND		10	0.66	ug/L		12/28/12 12:00	12/31/12 20:06	1
Lead	ND		9.0	2.6	ug/L		12/28/12 12:00	12/31/12 20:06	1
Selenium	ND		15	4.9	ug/L		12/28/12 12:00	12/31/12 20:06	1
Silver	ND		10	0.93	ug/L		12/28/12 12:00	12/31/12 20:06	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-153929/2-A

Matrix: Water

Analysis Batch: 154339

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 153929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1060		ug/L		106	88 - 110
Barium	2000	2070		ug/L		103	90 - 112
Cadmium	100	109		ug/L		109	88 - 111
Chromium	200	207		ug/L		103	90 - 113
Lead	500	522		ug/L		104	89 - 110
Selenium	2000	2110		ug/L		106	85 - 112
Silver	50.0	54.2		ug/L		108	86 - 115

Lab Sample ID: 280-37374-4 MS

Matrix: Water

Analysis Batch: 154339

Client Sample ID: SW-01-GW

Prep Type: Dissolved

Prep Batch: 153929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1000	1060		ug/L		106	84 - 124
Barium	170	B	2000	2220		ug/L		103	85 - 120
Cadmium	ND		100	108		ug/L		108	82 - 119
Chromium	1.3	J	200	204		ug/L		102	73 - 135
Lead	ND		500	503		ug/L		101	89 - 121
Selenium	11	J	2000	2080		ug/L		103	71 - 140
Silver	ND		50.0	53.6		ug/L		107	75 - 141

Lab Sample ID: 280-37374-4 MSD

Matrix: Water

Analysis Batch: 154339

Client Sample ID: SW-01-GW

Prep Type: Dissolved

Prep Batch: 153929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1000	1060		ug/L		106	84 - 124	0	20
Barium	170	B	2000	2210		ug/L		102	85 - 120	0	20
Cadmium	ND		100	108		ug/L		108	82 - 119	0	20
Chromium	1.3	J	200	205		ug/L		102	73 - 135	0	20
Lead	ND		500	504		ug/L		101	89 - 121	0	20
Selenium	11	J	2000	2090		ug/L		104	71 - 140	1	20
Silver	ND		50.0	54.2		ug/L		108	75 - 141	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-154016/1-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:38	1

Lab Sample ID: LCS 280-154016/2-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.04		ug/L		101	84 - 120

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 280-37373-A-1-B MS

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 154016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		5.00	6.69	F	ug/L		134	75 - 125

Lab Sample ID: 280-37373-A-1-C MSD

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 154016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		5.00	6.84	F	ug/L		137	75 - 125	2	20

Lab Sample ID: MB 280-154019/1-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		12/28/12 11:15	12/28/12 15:15	1

Lab Sample ID: LCS 280-154019/2-A

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.98		ug/L		100	84 - 120

Lab Sample ID: 280-37285-I-2-G MS

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 154019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		5.00	5.05		ug/L		101	75 - 125

Lab Sample ID: 280-37285-I-2-H MSD

Matrix: Water

Analysis Batch: 154241

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 154019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		5.00	5.08		ug/L		102	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 280-154028/1-A

Matrix: Solid

Analysis Batch: 154492

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		17	5.5	ug/Kg		01/02/13 11:30	01/02/13 18:52	1

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 280-154028/2-A

Matrix: Solid

Analysis Batch: 154492

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	417	428		ug/Kg		103	87 - 111

Lab Sample ID: 280-37374-1 MS

Matrix: Solid

Analysis Batch: 154492

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	19		446	345	F	ug/Kg	☼	73	87 - 111

Lab Sample ID: 280-37374-1 MSD

Matrix: Solid

Analysis Batch: 154492

Client Sample ID: SW-01-0

Prep Type: Total/NA

Prep Batch: 154028

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	19		454	524	F	ug/Kg	☼	111	87 - 111	41	20

Method: 1664A - Oil & Grease (HEM)

Lab Sample ID: MB 280-154686/1-A

Matrix: Water

Analysis Batch: 154730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.4	mg/L		01/04/13 13:00	01/04/13 16:24	1

Lab Sample ID: LCS 280-154686/2-A

Matrix: Water

Analysis Batch: 154730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	36.0		mg/L		90	81 - 107

Lab Sample ID: LCSD 280-154686/3-A

Matrix: Water

Analysis Batch: 154730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 154686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	37.5		mg/L		94	81 - 107	4	22

Method: 9040C - pH

Lab Sample ID: LCS 280-154179/4

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.050		SU		101	99 - 101

TestAmerica Denver

QC Sample Results

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Method: 9040C - pH (Continued)

Lab Sample ID: LCSD 280-154179/5

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH adj. to 25 deg C	7.00	7.050		SU		101	99 - 101	0	5

Lab Sample ID: 280-37417-B-2 DU

Matrix: Water

Analysis Batch: 154179

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH adj. to 25 deg C	7.30		7.350		SU		0.7	5
Temperature	20.0		20.00		Degrees C		0	10

Method: Moisture - Percent Moisture

Lab Sample ID: 280-37398-B-2 DU

Matrix: Solid

Analysis Batch: 154096

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12		12		%		0.3	20
Percent Solids	88		88		%		0.04	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-154143/3

Matrix: Water

Analysis Batch: 154143

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			12/28/12 16:10	1

Lab Sample ID: LCS 280-154143/1

Matrix: Water

Analysis Batch: 154143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	100	94.0		mg/L		94	86 - 114		

Lab Sample ID: LCSD 280-154143/2

Matrix: Water

Analysis Batch: 154143

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	100	90.0		mg/L		90	86 - 114	4	20

Lab Sample ID: 280-37378-D-1 DU

Matrix: Water

Analysis Batch: 154143

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	2.4	J	2.00	J	mg/L		18	10

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

GC/MS VOA

Analysis Batch: 153872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37114-C-1-B MS	Matrix Spike	Total/NA	Solid	8260B	153919
280-37114-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	153919
280-37374-2	SW-01-4	Total/NA	Solid	8260B	153919
280-37374-3	SW-01-11	Total/NA	Solid	8260B	153919
LCS 280-153919/2-A	Lab Control Sample	Total/NA	Solid	8260B	153919
MB 280-153919/1-A	Method Blank	Total/NA	Solid	8260B	153919

Prep Batch: 153919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37114-C-1-B MS	Matrix Spike	Total/NA	Solid	5030B	
280-37114-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
280-37374-2	SW-01-4	Total/NA	Solid	5030B	
280-37374-3	SW-01-11	Total/NA	Solid	5030B	
LCS 280-153919/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-153919/1-A	Method Blank	Total/NA	Solid	5030B	

Prep Batch: 154297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	5030B	
280-37374-1 MS	SW-01-0	Total/NA	Solid	5030B	
280-37374-1 MSD	SW-01-0	Total/NA	Solid	5030B	
LCS 280-154297/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-154297/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 154301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	8260B	154297
280-37374-1 MS	SW-01-0	Total/NA	Solid	8260B	154297
280-37374-1 MSD	SW-01-0	Total/NA	Solid	8260B	154297
LCS 280-154297/2-A	Lab Control Sample	Total/NA	Solid	8260B	154297
MB 280-154297/1-A	Method Blank	Total/NA	Solid	8260B	154297

Analysis Batch: 154317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	8260B	
280-37374-8	NE-02-GW	Total/NA	Water	8260B	
280-37417-I-1 MS	Matrix Spike	Total/NA	Water	8260B	
280-37417-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 280-154317/4	Lab Control Sample	Total/NA	Water	8260B	
MB 280-154317/5	Method Blank	Total/NA	Water	8260B	

Prep Batch: 154326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37354-B-1-B MS	Matrix Spike	Total/NA	Solid	5030B	
280-37354-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
280-37374-5	NE-02-0	Total/NA	Solid	5030B	
280-37374-6	NE-02-4	Total/NA	Solid	5030B	
280-37374-7	NE-02-9	Total/NA	Solid	5030B	
LCS 280-154326/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 280-154326/1-A	Method Blank	Total/NA	Solid	5030B	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

GC/MS VOA (Continued)

Analysis Batch: 154355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37354-B-1-B MS	Matrix Spike	Total/NA	Solid	8260B	154326
280-37354-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	154326
280-37374-5	NE-02-0	Total/NA	Solid	8260B	154326
280-37374-6	NE-02-4	Total/NA	Solid	8260B	154326
280-37374-7	NE-02-9	Total/NA	Solid	8260B	154326
LCS 280-154326/2-A	Lab Control Sample	Total/NA	Solid	8260B	154326
MB 280-154326/1-A	Method Blank	Total/NA	Solid	8260B	154326

GC/MS Semi VOA

Prep Batch: 154062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	3520C	
280-37374-8	NE-02-GW	Total/NA	Water	3520C	
LCS 280-154062/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-154062/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 280-154062/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 154290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	8270C	154062
280-37374-8	NE-02-GW	Total/NA	Water	8270C	154062
LCS 280-154062/2-A	Lab Control Sample	Total/NA	Water	8270C	154062
LCSD 280-154062/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	154062
MB 280-154062/1-A	Method Blank	Total/NA	Water	8270C	154062

GC Semi VOA

Prep Batch: 153994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	3546	
280-37374-2	SW-01-4	Total/NA	Solid	3546	
280-37374-3	SW-01-11	Total/NA	Solid	3546	
280-37374-5	NE-02-0	Total/NA	Solid	3546	
280-37374-6	NE-02-4	Total/NA	Solid	3546	
280-37374-6 MS	NE-02-4	Total/NA	Solid	3546	
280-37374-6 MS	NE-02-4	Total/NA	Solid	3546	
280-37374-6 MSD	NE-02-4	Total/NA	Solid	3546	
280-37374-6 MSD	NE-02-4	Total/NA	Solid	3546	
280-37374-7	NE-02-9	Total/NA	Solid	3546	
LCS 280-153994/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 280-153994/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 280-153994/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 154354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	8151A	
280-37374-1 MS	SW-01-0	Total/NA	Solid	8151A	
280-37374-1 MSD	SW-01-0	Total/NA	Solid	8151A	
280-37374-2	SW-01-4	Total/NA	Solid	8151A	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

GC Semi VOA (Continued)

Prep Batch: 154354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-3	SW-01-11	Total/NA	Solid	8151A	
280-37374-5	NE-02-0	Total/NA	Solid	8151A	
280-37374-6	NE-02-4	Total/NA	Solid	8151A	
280-37374-7	NE-02-9	Total/NA	Solid	8151A	
LCS 280-154354/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 280-154354/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 154408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	8082	153994
280-37374-2	SW-01-4	Total/NA	Solid	8082	153994
280-37374-3	SW-01-11	Total/NA	Solid	8082	153994
280-37374-5	NE-02-0	Total/NA	Solid	8082	153994
280-37374-6	NE-02-4	Total/NA	Solid	8082	153994
280-37374-6 MS	NE-02-4	Total/NA	Solid	8082	153994
280-37374-6 MSD	NE-02-4	Total/NA	Solid	8082	153994
280-37374-7	NE-02-9	Total/NA	Solid	8082	153994
LCS 280-153994/3-A	Lab Control Sample	Total/NA	Solid	8082	153994
MB 280-153994/1-A	Method Blank	Total/NA	Solid	8082	153994

Analysis Batch: 154507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-153994/2-A	Lab Control Sample	Total/NA	Solid	8081A	153994
MB 280-153994/1-A	Method Blank	Total/NA	Solid	8081A	153994

Analysis Batch: 154637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	8081A	153994
280-37374-2	SW-01-4	Total/NA	Solid	8081A	153994
280-37374-3	SW-01-11	Total/NA	Solid	8081A	153994
280-37374-5	NE-02-0	Total/NA	Solid	8081A	153994
280-37374-6	NE-02-4	Total/NA	Solid	8081A	153994
280-37374-6 MS	NE-02-4	Total/NA	Solid	8081A	153994
280-37374-6 MSD	NE-02-4	Total/NA	Solid	8081A	153994
280-37374-7	NE-02-9	Total/NA	Solid	8081A	153994

Analysis Batch: 154642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	8151A	154354
280-37374-1 MS	SW-01-0	Total/NA	Solid	8151A	154354
280-37374-1 MSD	SW-01-0	Total/NA	Solid	8151A	154354
280-37374-2	SW-01-4	Total/NA	Solid	8151A	154354
280-37374-3	SW-01-11	Total/NA	Solid	8151A	154354
280-37374-5	NE-02-0	Total/NA	Solid	8151A	154354
280-37374-6	NE-02-4	Total/NA	Solid	8151A	154354
280-37374-7	NE-02-9	Total/NA	Solid	8151A	154354
LCS 280-154354/2-A	Lab Control Sample	Total/NA	Solid	8151A	154354
MB 280-154354/1-A	Method Blank	Total/NA	Solid	8151A	154354

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Metals

Prep Batch: 153926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	3050B	
280-37374-1 MS	SW-01-0	Total/NA	Solid	3050B	
280-37374-1 MSD	SW-01-0	Total/NA	Solid	3050B	
280-37374-2	SW-01-4	Total/NA	Solid	3050B	
280-37374-3	SW-01-11	Total/NA	Solid	3050B	
280-37374-5	NE-02-0	Total/NA	Solid	3050B	
280-37374-6	NE-02-4	Total/NA	Solid	3050B	
280-37374-7	NE-02-9	Total/NA	Solid	3050B	
LCS 280-153926/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 280-153926/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 153928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	3010A	
280-37374-4 MS	SW-01-GW	Total/NA	Water	3010A	
280-37374-4 MSD	SW-01-GW	Total/NA	Water	3010A	
280-37374-8	NE-02-GW	Total/NA	Water	3010A	
LCS 280-153928/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 280-153928/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 153929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Dissolved	Water	3005A	
280-37374-4 MS	SW-01-GW	Dissolved	Water	3005A	
280-37374-4 MSD	SW-01-GW	Dissolved	Water	3005A	
280-37374-8	NE-02-GW	Dissolved	Water	3005A	
LCS 280-153929/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 280-153929/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 154016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37373-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	
280-37373-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
280-37374-4	SW-01-GW	Total/NA	Water	7470A	
280-37374-8	NE-02-GW	Total/NA	Water	7470A	
LCS 280-154016/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-154016/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 154019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-I-2-G MS	Matrix Spike	Dissolved	Water	7470A	
280-37285-I-2-H MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	
280-37374-4	SW-01-GW	Dissolved	Water	7470A	
280-37374-8	NE-02-GW	Dissolved	Water	7470A	
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 154028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	7471A	
280-37374-1 MS	SW-01-0	Total/NA	Solid	7471A	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Metals (Continued)

Prep Batch: 154028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1 MSD	SW-01-0	Total/NA	Solid	7471A	
280-37374-2	SW-01-4	Total/NA	Solid	7471A	
280-37374-3	SW-01-11	Total/NA	Solid	7471A	
280-37374-5	NE-02-0	Total/NA	Solid	7471A	
280-37374-6	NE-02-4	Total/NA	Solid	7471A	
280-37374-7	NE-02-9	Total/NA	Solid	7471A	
LCS 280-154028/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 280-154028/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 154235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	6010B	153928
280-37374-4 MS	SW-01-GW	Total/NA	Water	6010B	153928
280-37374-4 MSD	SW-01-GW	Total/NA	Water	6010B	153928
280-37374-8	NE-02-GW	Total/NA	Water	6010B	153928
LCS 280-153928/2-A	Lab Control Sample	Total/NA	Water	6010B	153928
MB 280-153928/1-A	Method Blank	Total/NA	Water	6010B	153928

Analysis Batch: 154241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37285-I-2-G MS	Matrix Spike	Dissolved	Water	7470A	154019
280-37285-I-2-H MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	154019
280-37373-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	154016
280-37373-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	154016
280-37374-4	SW-01-GW	Dissolved	Water	7470A	154019
280-37374-4	SW-01-GW	Total/NA	Water	7470A	154016
280-37374-8	NE-02-GW	Dissolved	Water	7470A	154019
280-37374-8	NE-02-GW	Total/NA	Water	7470A	154016
LCS 280-154016/2-A	Lab Control Sample	Total/NA	Water	7470A	154016
LCS 280-154019/2-A	Lab Control Sample	Total/NA	Water	7470A	154019
MB 280-154016/1-A	Method Blank	Total/NA	Water	7470A	154016
MB 280-154019/1-A	Method Blank	Total/NA	Water	7470A	154019

Analysis Batch: 154337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	6010B	153926
280-37374-1 MS	SW-01-0	Total/NA	Solid	6010B	153926
280-37374-1 MSD	SW-01-0	Total/NA	Solid	6010B	153926
280-37374-2	SW-01-4	Total/NA	Solid	6010B	153926
280-37374-3	SW-01-11	Total/NA	Solid	6010B	153926
280-37374-5	NE-02-0	Total/NA	Solid	6010B	153926
280-37374-6	NE-02-4	Total/NA	Solid	6010B	153926
280-37374-7	NE-02-9	Total/NA	Solid	6010B	153926
LCS 280-153926/2-A	Lab Control Sample	Total/NA	Solid	6010B	153926
MB 280-153926/1-A	Method Blank	Total/NA	Solid	6010B	153926

Analysis Batch: 154339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Dissolved	Water	6010B	153929
280-37374-4 MS	SW-01-GW	Dissolved	Water	6010B	153929
280-37374-4 MSD	SW-01-GW	Dissolved	Water	6010B	153929

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Metals (Continued)

Analysis Batch: 154339 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-8	NE-02-GW	Dissolved	Water	6010B	153929
LCS 280-153929/2-A	Lab Control Sample	Total Recoverable	Water	6010B	153929
MB 280-153929/1-A	Method Blank	Total Recoverable	Water	6010B	153929

Analysis Batch: 154492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	7471A	154028
280-37374-1 MS	SW-01-0	Total/NA	Solid	7471A	154028
280-37374-1 MSD	SW-01-0	Total/NA	Solid	7471A	154028
280-37374-2	SW-01-4	Total/NA	Solid	7471A	154028
280-37374-3	SW-01-11	Total/NA	Solid	7471A	154028
280-37374-5	NE-02-0	Total/NA	Solid	7471A	154028
280-37374-6	NE-02-4	Total/NA	Solid	7471A	154028
280-37374-7	NE-02-9	Total/NA	Solid	7471A	154028
LCS 280-154028/2-A	Lab Control Sample	Total/NA	Solid	7471A	154028
MB 280-154028/1-A	Method Blank	Total/NA	Solid	7471A	154028

General Chemistry

Analysis Batch: 154096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-1	SW-01-0	Total/NA	Solid	Moisture	
280-37374-2	SW-01-4	Total/NA	Solid	Moisture	
280-37374-3	SW-01-11	Total/NA	Solid	Moisture	
280-37374-5	NE-02-0	Total/NA	Solid	Moisture	
280-37374-6	NE-02-4	Total/NA	Solid	Moisture	
280-37374-7	NE-02-9	Total/NA	Solid	Moisture	
280-37398-B-2 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 154143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	SM 2540D	
280-37374-8	NE-02-GW	Total/NA	Water	SM 2540D	
280-37378-D-1 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 280-154143/1	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-154143/2	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 280-154143/3	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 154179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	9040C	
280-37374-8	NE-02-GW	Total/NA	Water	9040C	
280-37417-B-2 DU	Duplicate	Total/NA	Water	9040C	
LCS 280-154179/4	Lab Control Sample	Total/NA	Water	9040C	
LCSD 280-154179/5	Lab Control Sample Dup	Total/NA	Water	9040C	

Prep Batch: 154686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	1664A	
280-37374-8	NE-02-GW	Total/NA	Water	1664A	

TestAmerica Denver

QC Association Summary

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

General Chemistry (Continued)

Prep Batch: 154686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-154686/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 280-154686/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
MB 280-154686/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 154730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-37374-4	SW-01-GW	Total/NA	Water	1664A	154686
280-37374-8	NE-02-GW	Total/NA	Water	1664A	154686
LCS 280-154686/2-A	Lab Control Sample	Total/NA	Water	1664A	154686
LCSD 280-154686/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	154686
MB 280-154686/1-A	Method Blank	Total/NA	Water	1664A	154686



Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: SW-01-0

Date Collected: 12/26/12 08:03

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-1

Matrix: Solid

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.289 g	5 mL	154297	12/31/12 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			154301	12/31/12 18:05	AD	TAL DEN
Total/NA	Prep	3546			32.4 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 03:33	TDJ	TAL DEN
Total/NA	Analysis	8081A		5			154637	01/04/13 12:49	AMP	TAL DEN
Total/NA	Prep	8151A			50.9 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		5			154642	01/04/13 13:51	KJH	TAL DEN
Total/NA	Prep	3050B			1.18 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:15	HEB	TAL DEN
Total/NA	Prep	7471A			0.67 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 18:57	JM	TAL DEN
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

Client Sample ID: SW-01-4

Date Collected: 12/26/12 08:12

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-2

Matrix: Solid

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.126 g	5 mL	153919	12/27/12 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			153872	12/27/12 18:28	AD	TAL DEN
Total/NA	Prep	3546			30.4 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 03:54	TDJ	TAL DEN
Total/NA	Analysis	8081A		1			154637	01/04/13 13:05	AMP	TAL DEN
Total/NA	Prep	8151A			53.0 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		1			154642	01/04/13 15:00	KJH	TAL DEN
Total/NA	Prep	3050B			1.01 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:32	HEB	TAL DEN
Total/NA	Prep	7471A			0.55 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 19:08	JM	TAL DEN
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

Client Sample ID: SW-01-11

Date Collected: 12/26/12 08:19

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-3

Matrix: Solid

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.488 g	5 mL	153919	12/27/12 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			153872	12/27/12 18:47	AD	TAL DEN
Total/NA	Prep	3546			32.3 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 04:16	TDJ	TAL DEN
Total/NA	Analysis	8081A		1			154637	01/04/13 13:22	AMP	TAL DEN
Total/NA	Prep	8151A			52.2 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		1			154642	01/04/13 15:23	KJH	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: SW-01-11

Lab Sample ID: 280-37374-3

Date Collected: 12/26/12 08:19

Matrix: Solid

Date Received: 12/26/12 17:05

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:35	HEB	TAL DEN
Total/NA	Prep	7471A			0.60 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 19:11	JM	TAL DEN
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

Client Sample ID: SW-01-GW

Lab Sample ID: 280-37374-4

Date Collected: 12/26/12 09:45

Matrix: Water

Date Received: 12/26/12 17:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	154317	01/02/13 13:04	MRM	TAL DEN
Total/NA	Prep	3520C			1045.6 mL	1000 uL	154062	12/28/12 11:36	BMS	TAL DEN
Total/NA	Analysis	8270C		1			154290	12/31/12 23:21	DCK	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	153928	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:46	HEB	TAL DEN
Dissolved	Prep	7470A			30 mL	30 mL	154019	12/28/12 11:15	JM	TAL DEN
Dissolved	Analysis	7470A		1			154241	12/28/12 15:29	JM	TAL DEN
Total/NA	Prep	7470A			30 mL	30 mL	154016	12/28/12 11:15	JM	TAL DEN
Total/NA	Analysis	7470A		1			154241	12/28/12 15:52	JM	TAL DEN
Dissolved	Prep	3005A			50 mL	50 mL	153929	12/28/12 12:00	RC	TAL DEN
Dissolved	Analysis	6010B		1			154339	12/31/12 20:11	HEB	TAL DEN
Total/NA	Analysis	SM 2540D		1	25 mL	250 mL	154143	12/28/12 16:10	MW	TAL DEN
Total/NA	Analysis	9040C		1			154179	12/29/12 12:14	DA	TAL DEN
Total/NA	Prep	1664A			572 mL	1000 mL	154686	01/04/13 13:00	AFB	TAL DEN
Total/NA	Analysis	1664A		1			154730	01/04/13 16:24	AFB	TAL DEN

Client Sample ID: NE-02-0

Lab Sample ID: 280-37374-5

Date Collected: 12/26/12 11:14

Matrix: Solid

Date Received: 12/26/12 17:05

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.506 g	5 mL	154326	01/02/13 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			154355	01/02/13 17:34	JR	TAL DEN
Total/NA	Prep	3546			32.1 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 04:37	TDJ	TAL DEN
Total/NA	Analysis	8081A		200			154637	01/04/13 13:39	AMP	TAL DEN
Total/NA	Prep	8151A			50.8 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		5			154642	01/04/13 15:45	KJH	TAL DEN
Total/NA	Prep	3050B			1.01 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:37	HEB	TAL DEN
Total/NA	Prep	7471A			0.60 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 19:13	JM	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: NE-02-0

Date Collected: 12/26/12 11:14

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

Client Sample ID: NE-02-4

Date Collected: 12/26/12 11:26

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-6

Matrix: Solid

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.989 g	5 mL	154326	01/02/13 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			154355	01/02/13 18:16	JR	TAL DEN
Total/NA	Prep	3546			31.4 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 04:58	TDJ	TAL DEN
Total/NA	Analysis	8081A		10			154637	01/04/13 13:56	AMP	TAL DEN
Total/NA	Prep	8151A			52.2 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		1			154642	01/04/13 16:08	KJH	TAL DEN
Total/NA	Prep	3050B			1.03 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:39	HEB	TAL DEN
Total/NA	Prep	7471A			0.57 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 19:15	JM	TAL DEN
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

Client Sample ID: NE-02-9

Date Collected: 12/26/12 11:32

Date Received: 12/26/12 17:05

Lab Sample ID: 280-37374-7

Matrix: Solid

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.523 g	5 mL	154326	01/02/13 06:00	AD	TAL DEN
Total/NA	Analysis	8260B		1			154355	01/02/13 17:55	JR	TAL DEN
Total/NA	Prep	3546			30.8 g	10000 uL	153994	12/28/12 09:48	LC	TAL DEN
Total/NA	Analysis	8082		1			154408	01/03/13 06:02	TDJ	TAL DEN
Total/NA	Analysis	8081A		5			154637	01/04/13 14:46	AMP	TAL DEN
Total/NA	Prep	8151A			50.4 g	10000 uL	154354	01/02/13 12:00	DFB	TAL DEN
Total/NA	Analysis	8151A		1			154642	01/04/13 16:31	KJH	TAL DEN
Total/NA	Prep	3050B			1.03 g	100 mL	153926	12/28/12 12:00	RC	TAL DEN
Total/NA	Analysis	6010B		1			154337	12/31/12 18:41	HEB	TAL DEN
Total/NA	Prep	7471A			0.61 g	50 mL	154028	01/02/13 11:30	JM	TAL DEN
Total/NA	Analysis	7471A		1			154492	01/02/13 19:18	JM	TAL DEN
Total/NA	Analysis	Moisture		1			154096	12/28/12 14:26	AFB	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: RMC Consultants Inc
Project/Site: U.S.6 at I-25

TestAmerica Job ID: 280-37374-2

Client Sample ID: NE-02-GW

Lab Sample ID: 280-37374-8

Date Collected: 12/26/12 13:05

Matrix: Water

Date Received: 12/26/12 17:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	154317	01/02/13 13:33	MRM	TAL DEN
Total/NA	Prep	3520C			1048.4 mL	1000 uL	154062	12/28/12 11:36	BMS	TAL DEN
Total/NA	Analysis	8270C		1			154290	12/31/12 23:40	DCK	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	153928	12/28/12 07:30	RC	TAL DEN
Total/NA	Analysis	6010B		1			154235	12/28/12 19:56	HEB	TAL DEN
Dissolved	Prep	7470A			30 mL	30 mL	154019	12/28/12 11:15	JM	TAL DEN
Dissolved	Analysis	7470A		1			154241	12/28/12 15:31	JM	TAL DEN
Total/NA	Prep	7470A			30 mL	30 mL	154016	12/28/12 11:15	JM	TAL DEN
Total/NA	Analysis	7470A		1			154241	12/28/12 15:54	JM	TAL DEN
Dissolved	Prep	3005A			50 mL	50 mL	153929	12/28/12 12:00	RC	TAL DEN
Dissolved	Analysis	6010B		1			154339	12/31/12 20:19	HEB	TAL DEN
Total/NA	Analysis	SM 2540D		1	25 mL	250 mL	154143	12/28/12 16:10	MW	TAL DEN
Total/NA	Analysis	9040C		1			154179	12/29/12 12:15	DA	TAL DEN
Total/NA	Prep	1664A			550 mL	1000 mL	154686	01/04/13 13:00	AFB	TAL DEN
Total/NA	Analysis	1664A		1			154730	01/04/13 16:24	AFB	TAL DEN

Laboratory References:

EMLab-OC = EMLab P&K Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



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Report for:

Donna Rydberg
TestAmerica-Denver
4955 Yarrow Street
Arvada, CO 80002

Regarding: Project: 280-37374-2
 EML ID: 1009888

Approved by:

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 01-03-2013

Technical Manager
Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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EMLab P&K

3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626
(866) 465-6653 Fax (858) 569-5806 www.emlab.com

Client: TestAmerica-Denver
C/O: Donna Rydberg
Re: 280-37374-2

Date of Sampling: 12-26-2012
Date of Receipt: 12-28-2012
Date of Report: 01-03-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 2
Total Samples Analysed: 2
Total Samples with Layer Asbestos Content > 1%: 0

Location: SW-01-0 (280-37374-1)

Lab ID-Version‡: 4513286-1

Sample Layers	Asbestos Content
Brown Soil	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

Location: NE-02-0 (280-37374-5)

Lab ID-Version‡: 4513287-1

Sample Layers	Asbestos Content
Brown Soil	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 758-0100 Fax (303) 431-7171

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact: **Shippng/Receiving**
 Generator: **EM/Leb P&K**
 Address: **3685 Cadillac Ave, Suite A, Costa Mesa, State, Zip: CA, 92626**
 Phone:
 Email:

Lab Pak: **Rydberg, Donna R**
 Email: **donna_rydberg@testamericacorp.com**

Order Tracking No.:

Order No.: **290-169851.1**
 Page: **Page 1 of 1**

Shipment/Receiving: **11/22/13**
 Date: **11/22/13**
 Due Date Requested: **7AT Requested (days)**

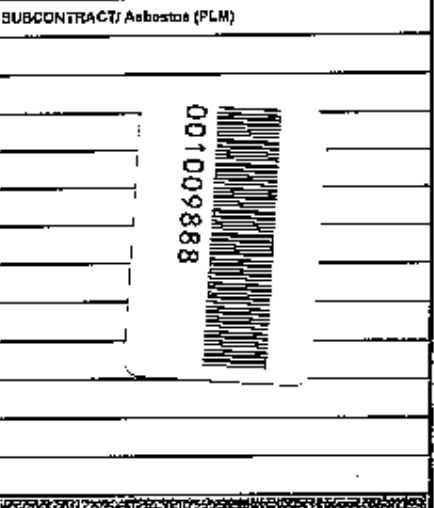
Address: **3685 Cadillac Ave, Suite A, Costa Mesa, State, Zip: CA, 92626**

Phone:
 Email:

Project Name: **U.S.G at 1/25**
 Project #: **29009891**
 Site: **S&Ouse**

Analysis Requested

SUBCONTRACT/ Asbestos (PLM)



Lab #: **290-37374-2**

Preservation Codes:

A - HCL	M - Hexane
B - NH ₃ H	N - None
C - Zn Oxide	O - NH ₂ SO ₂
D - Nitric Acid	P - NaOH
E - NaHSO ₄	Q - Na ₂ SO ₄
F - MeOH	R - Na ₂ SO ₃
G - Acetic	S - H ₂ O ₂
H - Acetic Acid	T - TSP Decontaminant
I - Ice	U - Acetone
J - DI Water	V - NIOSH
K - EDTA	W - pH 4.5
L - EDTA	Z - Other (Specify)
Other	

Sample Identification - Client ID (Lab ID)

Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Liquid, Solid, etc.)	Retention	Disposition	Received By	Date Time	Company	Received By	Date Time	Company
SM-01-0 (290-37374-1)	12/28/12	08:03	Mountain	Solid		X						
NE-02-0 (290-37374-5)	12/28/12	11:14	Mountain	Solid		X						

Special Instructions/OC Requirements:
 Return To Client
 Dispose By Lab
 Archive For _____ Months

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (Specify)

Empty Kit Returned by: Date:

Requested by: **12/27/12 1600** Date: **12/27/12**
 Company: **P&K**

Requested by: Date:
 Company:

Custody Seal Intact: **Δ Yes Δ No**
 Custody Seal No.:

Received By: **[Signature]** Date Time: **12/28/12 13:00PM** Company: **EM/Leb P&K**

Received By: **[Signature]** Date Time: Company:

Special Handling/Remarks: **Coclear Temperature(s) °C and Other Remarks:**

Login Sample Receipt Checklist

Client: RMC Consultants Inc

Job Number: 280-37374-2

Login Number: 37374

List Source: TestAmerica Denver

List Number: 1

Creator: Underwood, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Number
 170750

Chain of Custody Record

TAL-4124-280 (0508)

Client: RMC Consultants, Inc Project Manager: Claude Murray Date: 12/26/12 Chain of Custody Number: 170750

Address: 12295 W 48th Ave Unit A Telephone Number (Area Code)/Fax Number: 303.980.4101 Lab Number: 1 of 1

City: Wheat Ridge State: CO Zip Code: 80033

Project Name and Location (State): US6 at F-25 Site Contact: Jason Kahleff Lab Contact: Donna Ryberg

Contract/Purchase Order/Quote No.: 612.023154 Carrier/Waybill Number: Hand Delivered

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix							Containers & Preservatives					Special Instructions/ Conditions of Receipt								
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Lab Number									
<u>SW-01-0</u>	<u>12/26/12</u>	<u>0803</u>			<u>X</u>		<u>4</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>SW-01-4</u>		<u>0812</u>			<u>X</u>		<u>3</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>SW-01-11</u>		<u>0819</u>			<u>X</u>		<u>3</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>SW-01-GW</u>		<u>0945</u>	<u>X</u>				<u>5</u>	<u>Z</u>	<u>Z</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>NE-02-0</u>		<u>1114</u>			<u>X</u>		<u>4</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>NE-02-4</u>		<u>1126</u>			<u>X</u>		<u>3</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>NE-02-9</u>		<u>1132</u>			<u>X</u>		<u>3</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>
<u>NE-02-GW</u>	<u>X</u>	<u>1305</u>			<u>X</u>		<u>5</u>	<u>Z</u>	<u>Z</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8260B</u>	<u>(6108/7470A)</u>	<u>8270C</u>	<u>(6108/7470A)</u>	<u>PH/TS</u>	<u>045</u>	<u>G1035 A/B</u>

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal By Lab Archive For Months Disposal By Lab Archive For Months longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other STD

1. Relinquished By: [Signature] Date: 12/26/12 Time: 1705
 2. Relinquished By: [Signature] Date: 12/26/12 Time: 1705
 3. Relinquished By: [Signature] Date: 12/26/12 Time: 1705

QC Requirements (Specify):

Comments:

