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March 14, 2014

Mr. John Moody
RCRA Project Manager
U.S. EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

RE110 and RE111 Monitor Well Installation Completion Report
Former Romic Environmental Technologies Facility
Lone Butte Industrial Park, Gila River Indian Community, Arizona

Dear Mr. Moody:

On behalf of Romic Environmental Technologies Corporation (Romic), Clear Creek Associates P.L.C, (Clear Creek) herewith transmits the RE110 and RE111 Monitor Well Installation Completion Report for the former Romic facility located in the Lone Butte Industrial Park.

Please call if you have any questions.

Sincerely,

Clear Creek Associates

Thomas R. Suriano, R.G.
Principal Hydrogeologist

cc: Distribution List

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Lone Butte Industrial Park
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RE110 AND RE111 MONITOR WELL INSTALLATION COMPLETION REPORT
FORMER ROMIC ENVIRONMENTAL TECHNOLOGIES CORPORATION FACILITY
LONE BUTTE INDUSTRIAL PARK
GILA RIVER INDIAN COMMUNITY, ARIZONA

Prepared For:

Romic Environmental Technologies Corporation

REGISTERED GEOLOGIST
CERTIFICATE NO.
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Date Signed 3/14/14
ARIZONA U.S.A.
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1.0 INTRODUCTION

This monitor well installation completion report has been prepared to document the installation and initial vertical profile sampling of two monitor wells in the vicinity of the former Romic Environmental Technologies Corp. (Romic) facility located in the Lone Butte Industrial Park in the Gila River Indian Community (GRIC) near Chandler, Arizona (Figure 1). The work was performed in response to the November 19, 2007 Administrative Order on Consent (AOC) between the United States Environmental Protection Agency (EPA) and Romic, Docket No RCRA (AO)-09-2008-03. The wells were installed following the procedures detailed in the December 2011 Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan and April 2012 RFI Work Plan Letter Amendment prepared by Clear Creek Associates, PLC (Clear Creek) and Iris Environmental (Iris) pursuant to paragraphs 35, 36, and 37 of the AOC and EPA's letter dated July 6, 2011 (as amended by EPA's email of August 9, 2011). This report describes the procedures and activities associated with the well drilling, lithologic logging, monitor well construction and preliminary groundwater sampling of monitor wells RE110 and RE111.

1.1 PURPOSE AND SCOPE

Groundwater data gaps were discussed during the June 21-22, 2011 meetings with EPA and the GRIC Department of Environmental Quality (GRIC-DEQ). The core questions for the groundwater data gaps were whether the northern VOC plume extends deeper than the existing monitoring network, extends north of well HC-09, and is adequately defined on its distal (western) end.

Romic developed the following tasks to complete the investigation, which was part of the RFI:

- Drill and sample three groundwater borings in a north-south transect west of Interstate 10 (I-10) and conversion of one or more transect borings into a monitor well.

- Drill and sample one supplemental groundwater boring east of I-10 between LB-4 and LB-5.

- Drill and sample one supplemental groundwater boring in the vicinity of BA-4.

1.2 SITE BACKGROUND

The facility began operations in 1975 as Southwest Solvents and later as Southwest Solvent Industrial Recycling. For purposes of this report, these operations are collectively referred to as Southwest Solvents. Primary operations at Southwest Solvents consisted of hazardous waste recycling. While operating as Southwest Solvents, the majority of the site was unpaved, with the exception of the loading dock, the main building and four to five isolated material handling areas (Booz, Allen, Hamilton, November 2004). Following several EPA site inspections, Southwest Solvents was notified of numerous violations including unsatisfactorily operating a facility generating hazardous waste, unsatisfactorily operating a treatment storage or disposal (TSD) facility, and not furnishing information in conjunction with an interim status facility application. Based on these violations, EPA issued a Consent Agreement / Final Order (CA/FO) (RCRA-09-88-0002) to Southwest Solvents to investigate and remediate releases and to dispose of excess waste at their facility. Shortly thereafter in 1988, Romic purchased the facility out of bankruptcy from Southwest Solvents.

Romic operated under interim status since 1988 when they purchased the facility from Southwest Solvents until it shut down in 2007. In January 1999, Romic was acquired by U.S. Liquids, and subsequently, acquired by ERP Environmental Services, Inc. in August 2003. The facility operated under interim status as Romic Environmental Technologies Corporation. In November 2007, Romic ceased operations at the facility after a RCRA Part B permit was not granted for the facility.

1.3 REPORT ORGANIZATION

The details of the work performed during the drilling and installation of the exploratory borings/monitor wells are presented in the following sections.

- **Section 2.0: Drilling and Installation** – This section describes the details of the drilling exploratory borings, and installation and development of the monitor wells.
- **Section 3.0: Preliminary Groundwater Sampling** – This section summarizes the activities and findings associated with the preliminary sampling of the monitor wells.
- **Section 4.0: Summary** – This section summarizes the findings of this investigation and documents the future sampling intervals for the completed wells.
- **Section 5.0: References** – This section summarizes the publications and documents referenced in this report.

2.0 DRILLING AND INSTALLATION

Drilling operations were conducted by Boart Longyear Company (Boart) from May 21 through June 12, 2013. A total of five exploratory borings, designated East, North, Center, South, and West, were advanced at the approximate locations shown on Figure 1. The East boring was advanced east of I-10 along an axis running between LB-4 and LB-5 to a depth of 140 feet below ground surface (bgs). The North, Center and South borings were advanced along an axis running roughly north-south parallel to the west side of I-10 between well LB-14 and a point slightly northwest of LB-2. The North, Center, and South borings were advanced to depths of 160 feet, 160 feet, and 150 feet bgs, respectively. The West boring was advanced within the irrigation district corridor west of LB-11 in the general vicinity of inactive irrigation supply well BA-4, to a depth of 170 feet bgs. The East and Center borings were completed as monitor wells, designated RE110 and RE111, respectively. The boring and well construction details are included in Table 1.

2.1 ACCESS AND PERMITTING

Clear Creek coordinated with Romic to secure access and authorization to install the proposed borings. Access was obtained from the LBIDC to install the East boring/well RE110 east of I-10. Access was also obtained from the Wild Horse Pass Development Authority for the boring transect west of I-10 and RE111, and a Right-of-Entry Permit was issued by the GRIC for the West boring. Clear Creek submitted Notice of Intent to Drill a Groundwater Well forms with the GRIC-DEQ for all of the borings/wells (Appendix A).

2.2 BOREHOLE DRILLING

Prior to drilling, the proposed boring locations were marked and Bluestake was contacted to identify utility locations. In addition to Bluestake, a private utility locater was contacted to identify utilities in the vicinity of the proposed well locations. Final well locations were adjusted in the field based on utility clearances.

Boart drilled nominal 9 $^{7}/_{8}$ inch boreholes using a Longstroke Sonic drill rig to depths ranging from 140 feet to 170 feet bgs. Boart performed the initial 10 feet of drilling utilizing an air knife rig. Photographs of the drilling operations are presented in Appendix B. Each drilling site was prepared by placing heavy plastic sheets beneath the drilling rig to protect the ground surface from oil and hydraulic fluid. All boreholes were advanced using a 6-inch outside diameter coring tool to collect continuous cores and 9 $^{7}/_{8}$ -inch outside diameter steel casing was advanced behind the coring tool to stabilize the borehole wall. Drilled cuttings were returned using the sonic core barrel. Soil samples were field screened at five-foot intervals using a photo-ionization detector (PID) for a qualitative assessment of the potential presence of VOCs.

2.3 LITHOLOGIC LOGGING

Clear Creek prepared lithologic logs for each borehole (Appendix C). Clear Creek further documented the soil cuttings from each borehole through a series of photographs. Representative samples of the drilled cuttings from each 10-foot interval of each well borehole were secured in chip trays for archival purposes. Borehole cuttings were collected as continuous cores, bagged at 2.5-foot intervals. Lithologic descriptions followed the Unified Soil Classification System (USCS) (Figure 2) and included the following information:

- Textural classification
- Color
- Sorting
- Roundness

- Consistency or relative density
- Plasiticity

The ADWR Regional Groundwater Flow Model of the Salt River Valley (Corell and Corkhill, 1994) breaks the alluvial deposits in the Salt River Valley into three layers. These layers are the UAU, MAU, and LAU. The UAU is comprised of mainly silt, sand, and gravel, extending from land surface to 300 feet bls in the vicinity of the Romic facility. This unit also contains layers of calcite (caliche) deposits. The MAU consists mainly of clay, silt, mudstone, and gypsiferous mudstone with some interbedded sand and gravel, extending from 300 feet to 740 feet bls. The LAU includes clays, silts, mudstone, evaporites, sand, and gravel, and extends from 740 feet to 1,200 feet bls.

The exploratory borings only penetrate the first alluvial layer (UAU) as described in the Salt River Valley flow model. Generalized stratigraphic columns of the boreholes are presented in Figures 3 through 7. The lithology of the Romic boreholes maintained a general correlation with the ADWR Salt River Valley model. The following sediment types were generally observed in each borehole:

- Silty Sand: 0-15 feet bgs
- Clayey Silt and Sandy Silt: 15-70 feet bgs
- Sand, Gravelly Sand, and Sandy Gravel: 70-170 feet bgs
- Clayey Silt encountered during drilling of the East boring: 130-140 feet bgs

2.4 GRAB GROUNDWATER SAMPLE COLLECTION

Grab groundwater samples were collected from each of the borings using Hydropunch sample collection techniques. Samples were collected at approximate 10 feet intervals beginning at 90 feet bgs from the East, South, Center, and North borings, and at 20 foot intervals beginning at 110 feet bgs from the West boring. Boart collected the groundwater samples by advancing the

borehole to the sampling depth and lowering the Hydropunch device to the bottom of the borehole. The Hydropunch device was driven two feet into the formation and the sampling screen was exposed. The groundwater samples were collected from inside the drive rod using a disposable bailer. Once the sample was collected, the Hydropunch was removed from the borehole and decontaminated prior to reuse at the next depth interval. Sampling equipment was decontaminated in accordance with the procedures set forth in section 2.5. Groundwater samples were submitted to Environmental Science Corporation (ESC) and analyzed for VOC by EPA Method 8260B. Duplicate samples were collected at a 10% occurrence. Laboratory reports and chain-of-custody forms are included in Appendix D.

2.5 EQUIPMENT DECONTAMINATION PROCEDURES

All groundwater sampling equipment was decontaminated prior to each sampling interval. The Hydropunch device was decontaminated by washing with a high-pressure hot water spray (aka "steam cleaning") after completion of each groundwater sample. Larger pieces of equipment (e.g. the drill rig and casing), were decontaminated by washing with a high-pressure hot water spray (aka "steam cleaning") after each boring completion. Steam cleaning was performed on plastic sheeting in a designated area near the Center boring.

2.6 GRAB GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were analyzed for VOCs by EPA Method 8260B. The concentrations of compounds with positive detections were compared to EPA's Maximum Contaminant Levels (MCLs) and EPA Region 9's Preliminary Remediation Goals (PRGs) and values in excess of the screening criteria were flagged. Laboratory reports and chain-of-custody forms are included in Appendix D. The data quality reviews are included as Appendix E. Table 2 presents an overview of the sampling results. Select analytical results are plotted on Figure 8. The results from the water quality sampling are summarized below.

- **<u>East Boring (RE110)</u> -** PCE was detected in groundwater samples collected from the East boring/RE110 at concentrations ranging from 12 micrograms per liter (ug/L) at 90 feet bgs to 1.9 ug/L at 140 feet bgs. TCE was detected at concentrations ranging from 11 ug/L at 90 feet bgs to 2.0 ug/L at 140 feet bgs. The PCE and TCE concentrations from the samples collected at 130 feet and 140 feet bgs were below the EPA's MCLs. 1,1-DCE was detected below the EPA MCLs in groundwater samples collected from the East boring/RE110 at concentrations ranging from 3.0 ug/L at 90 feet bgs to 1.2 ug/L at 130 feet bgs. Based on the grab groundwater sampling results, and in accordance with the approved RFI Work Plan, monitor well RE110 was completed in the East boring. The well design for RE110 was provided to EPA and GRIC-DEQ via email communication on May 24, 2013 (Appendix F).

- **<u>South Boring</u> -** PCE was detected below the EPA's MCLs in groundwater samples collected from the South boring at concentrations ranging from 4.6 ug/L at 90 feet bgs to 2.5 ug/L at 150 feet bgs. TCE was detected below the EPA's MCLs at concentrations ranging from 2.5 ug/L at 90 feet bgs to 1.1 ug/L at 150 feet bgs. 1,1-DCE was detected below the EPA MCLs in groundwater samples collected from the South boring at concentrations ranging from 1.4 ug/L at 90 feet bgs to 1.1 ug/L at 110 feet bgs. 1,1-DCE was not detected in the samples collected at 130 feet , 140 feet, and 150 feet bgs from the South boring. Based on the grab groundwater sampling results, and in accordance with the approved RFI Work Plan, Clear Creek notified EPA and GRIC-DEQ that the South boring would be abandoned by email communication on May 31, 2013 (Appendix F).

- **<u>Center Boring (RE111)</u> -** PCE was detected in each groundwater samples collected from the Center boring at concentrations ranging from 4.6/5.0 ug/L (Duplicate) at 130 feet bgs to 2.2 ug/L at 160 feet bgs. The duplicate sample at 130 feet bgs was the only sample with PCE concentrations above the EPA MCL. TCE was detected below the EPA's MCLs in each sample collected from the Center boring at concentrations ranging from

2.2 ug/L at 100 feet and 130 feet bgs to 1.1 ug/L at 160 feet bgs. 1,1-DCE was not detected in any of the groundwater samples collected from the Center boring. Based on the grab groundwater sampling results, and in accordance with the approved RFI Work Plan, monitor well RE111 was completed in the Center boring. The well design for RE111 was provided to EPA and GRIC-DEQ via email communication on June 4, 2013 (Appendix F).

- **North Boring** - PCE was detected in select groundwater samples collected from the North boring at concentrations ranging from 0.54 ug/L at 120 feet bgs to 0.44 ug/L at 110 feet bgs. PCE was not detected in the samples collected from 130 feet to 160 feet bgs. TCE and 1,1-DCE were not detected in any of the groundwater samples collected from the North boring. Based on the grab groundwater sampling results, and in accordance with the approved RFI Work Plan, Clear Creek notified EPA and GRIC-DEQ that the North boring would be abandoned by email communication on June 4, 2013 (Appendix F).

- **West Boring** – PCE, TCE and 1,1-DCE were not detected in any of the groundwater samples collected from the West boring. Based on the grab groundwater sampling results, and in accordance with the a June 6, 2013 conference call and confirmation email communication with EPA, GRIC-DEQ, Romic and Clear Creek, it was agreed that the West boring would be abandoned (Appendix F).

2.7 WELL INSTALLATION

As noted above, monitor wells RE110 and RE111 were installed at the East and Center borings, respectively. The remaining borings (South, North, and West) were abandoned with bentonite cement slurry from the total explored depths to ground surface. Boart installed the well casing, screen, and annular materials for RE110 on May 28, 2013 and RE111 on June 6, 2013. To maintain borehole integrity, the drill pipe was left in the hole until well construction began.

The drill pipe was used as a tremie pipe for the installation of the annular materials and was pulled back during well construction. Clear Creek maintained pipe tallies of the casing material and recorded the amount of annular materials installed in the boreholes during well construction. As-built diagrams for the monitor wells are presented as Figure 4 and Figure 5. Well installation field documentation forms are presented in Appendix G.

Prior to the installation of RE110, the borehole was backfilled with bentonite chips from 132.5 feet to 140 feet bgs. At RE110, 4-inch diameter, schedule 80 PVC, 0.020-inch horizontal slotted well casing was installed from 102 feet to 132 feet bgs, 4-inch diameter, schedule 80 PVC blank well casing was installed from 20 feet to 102 feet bgs, and 4-inch diameter, low carbon steel (LCS) blank well casing was installed from 20 feet bgs to just below the ground surface. A Schedule 80 PVC bottom cap was installed below the well screen. After the screen and casing were installed, 10-20 mesh Colorado Silica Sand was installed from the bottom of the borehole at 132.5 feet to 92 feet bgs, followed by bentonite chips from 92 feet to 86 feet bgs. Boart filled the borehole annulus with a bentonite cement slurry from 86 feet bgs to ground surface.

Prior to the installation of RE111, the borehole had caved and was tagged at 151 feet bgs. At RE111, 4-inch diameter, schedule 80 PVC, 0.020-inch horizontal slotted well casing was installed from 110 feet to 150 feet bgs, 4-inch diameter, schedule 80 PVC blank well casing was installed from 20 feet to 110 feet bgs, and 4-inch diameter, LCS blank well casing was installed from 20 feet bgs to just below the ground surface. A Schedule 80 PVC bottom cap was installed below the well screen. After the screen and casing were installed, 10-20 mesh Colorado Silica Sand was installed from the bottom of the borehole at 151 feet to 104 feet bgs, followed by bentonite chips from 104 feet to 95 feet bgs. Boart filled the borehole annulus with a bentonite cement slurry from 95 feet bgs to ground surface.

Following well installation activities, Boart completed the monitor wells with flush-mounted, traffic-rated well vaults, secured with locking waterproof seals at the well heads. Following well

completion activities, the wells were surveyed by the A Team on June 21, 2013. The survey provided location information to the nearest 0.1 foot and elevation information to the nearest 0.01 foot. Results of the well survey are included in Appendix H.

2.8 WELL DEVELOPMENT

Boart developed the monitor wells on June 12, 2013. Development consisted of swabbing and bailing and then pumping the wells with a submersible pump. The swabbing tool consisted of an approximately 5-foot-long steel rod with a single rubber flange on the bottom that was nearly the same diameter as the inside diameter of the well. The bailing tool for the monitor wells consisted of a steel bailer capable of bailing between 2 and 2.5 gallons of water per bail. All tools were lowered into the wells and controlled with a cable-tool rig. The monitor wells were pumped with a Grundfos submersible pump at a rate of 5 gallons per minute (gpm). Boart developed each well by performing an initial bail of water and sediment from inside the wells. Following bailing, Boart swabbed the saturated screened interval for approximately 1-1.5 hours per well and bailed out the accumulated sediment from inside the wells. After swabbing and bailing, a Grundfos pump was installed and pumped until physical water parameters (temperature, pH, and conductivity) stabilized to within ±5%, turbidity decreased to approximately 30 Nephelometric Turbidity Units (NTUs) and the water was clear and free of any visible sediment. Development water purge volumes from RE110 and RE111 were 415 and 417 gallons, respectively. Well development activities are summarized in field forms included in Appendix G.

2.9 HANDLING OF INVESTIGATION DERIVED WASTE

The drill cuttings generated during the borehole advancement were contained at the surface in roll-off type bins. A composite sample of the drill cuttings was collected and submitted for analysis. The composite sample was collected by visually dividing each roll-off bin into four

quadrants and collecting a portion of sample from each quadrant. The sample was analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and the RCRA metals by EPA Methods 6020 and 7471A (mercury). Laboratory reports and chain-of-custody forms are included in Appendix D. Boart coordinated the disposal of the drill cuttings and documentation of the disposal is included in Appendix I.

The groundwater generated during the well development activities was contained in a polyethylene tank. The contents of the tank were sampled and analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and the RCRA metals by EPA Methods 6020 and 7471A (mercury). Laboratory reports and chain-of-custody forms are included in Appendix D. Disposal of the development water was performed by Chemical Transportation, Inc. (CTI) and documentation of the disposal is included in Appendix I.

3.0 PRELIMINARY GROUNDWATER SAMPLING

Preliminary groundwater quality sampling was conducted at wells RE110 and RE111. The initial vertical profile sampling event coincided with the GRIC DEQ sampling event conducted in August and the second sampling event was conducted in October to collect a confirmation vertical profile from RE110 and RE111. Groundwater sampling during both sampling events was conducted using passive diffusion bags (PDBs) supplied by ESC. Groundwater samples were collected from the PDBs in clean, pre-preserved sampling containers provided by ESC and analyzed for VOCs by EPA Method 8260B. Purge water was not generated during the well sampling activities. Results indicated PCE and TCE concentrations both below and slightly above the MCL at selected depths (Table 3). Details of the groundwater sampling events are included in Clear Creek's *2013 Groundwater Monitoring Data Submittal* (Clear Creek Associates, 2013).

At RE110, PCE was detected at concentrations above the MCL in each of the samples collected (except 130 feet bgs) during the August and October vertical sampling events. PCE concentrations ranged from 3.7 ug/L to 11 ug/L during the August event and from 3.2 ug/L to 9.9 ug/L during the October event. TCE was detected at concentrations above the MCL in each of the samples collected from well RE110, with concentrations ranging from 8.9 ug/L to 12 ug/L during the August sampling event and from 6.7 ug/L to 10 ug/L during the October sampling event. 1,1-DCE was detected in each sample collected from well RE110 at concentrations below the EPA MCL during both sampling events.

At RE111, PCE was detected at concentrations above the MCL in each of the samples collected (except 110 feet bgs) during the August and October vertical sampling events. PCE concentrations ranged from 3.5 ug/L to 8.7 ug/L during the August event and from 2.8 ug/L to 8.7 ug/L during the October event. TCE was detected in each of the samples collected from well RE111 with concentrations ranging from 3.8 ug/L to 5.0 ug/L during the August sampling

event and from 3.2 ug/L to 5.2 ug/L during the October sampling event. 1,1-DCE was detected in each sample collected from well RE111 at concentrations below the EPA MCL during both sampling events. Based on the results from the August and October sampling events, Clear Creek recommended a depth of 120 feet bgs for sample collection at newly installed wells RE110 and RE111 during future groundwater sampling events.

4.0 SUMMARY

- Monitor wells RE110 and RE111 were installed in the vicinity of the former Romic facility to further assess groundwater quality conditions downgradient of the former facility. Following installation, vertical profile sampling events were performed in August and October 2013.

- RE110 was constructed using 4-inch diameter, schedule 80 PVC and LCS, with 0.020-inch horizontal slotted well casing installed from 102 feet to 132 feet bgs. 10-20 mesh Colorado Silica Sand was installed from the bottom of the borehole at 132.5 feet to 92 feet bgs, followed by bentonite chips from 92 feet to 86 feet bgs, and bentonite cement slurry from 86 feet bgs to ground surface.

- RE111 was constructed using 4-inch diameter, schedule 80 PVC and LCS, with 0.020-inch horizontal slotted well casing installed from 110 feet to 150 feet bgs. 10-20 mesh Colorado Silica Sand was installed from the bottom of the borehole at 151 feet to 104 feet bgs, followed by bentonite chips from 104 feet to 95 feet bgs, and bentonite cement slurry from 95 feet bgs to ground surface.

- PCE and TCE were detected in each of the samples collected from RE110 at concentrations above the MCL (except PCE at 130 feet bgs) and 1,1-DCE was detected in each sample collected from well RE110 at concentrations below the EPA MCL during the sampling events.

- PCE was detected at concentrations above the MCL in each of the samples collected from RE111 (except 110 feet bgs) during the sampling events. TCE was detected in each of the samples collected from well RE111 with concentrations ranging from below to

slightly above the MCL. 1,1-DCE was detected in each sample collected from well RE111 at concentrations below the EPA MCL during both sampling events.

- Based on the results from the August and October sampling events, Clear Creek notified EPA and GRIC-DEQ via email communication on July 2, 2013 of the proposed a sampling depth of 120 feet bgs for wells RE110 and RE111 during future groundwater sampling events (Appendix F).

5.0 REFERENCES

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TABLES

TABLE 1
BORING/WELL CONSTRUCTION DETAILS
Former Romic Environmental Technologies Facility
Lone Butte Industrial Park, Arizona

Boring / Well Name	Cadastral / Legal Location	Type	Northing	Easting	Coordinate System	Surface Completion	Surface Elevation (ft amsl)	Measuring Point	Measuring Point Elevation (ft amsl)	Diameter (inches)	Casing Type	Screen Type	Slot Size	Total Depth (ft bgs)	Top of Filter Pack (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
East/RE-110	D-02-04 04 BCB	Monitor Well	831569.70	685947.24	NAVD29	Vault	1149.79	Top of Casing	1149.14	4	Steel-PVC	PVC	0.020	140	92	102	132
South	D-02-04 05 BBD	Exploratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NA	NA	NA
Center/RE-111	D-02-04 05 BBD	Monitor Well	830905.19	683604.72	NAVD29	Vault	1147.63	Top of Casing	1147.08	4	Steel-PVC	PVC	0.020	160	104	110	150
North	D-02-04 05 DDB	Exploratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	NA
West	D-02-03 02 DDD	Exploratory	NA	NA	NAD83	NA	NA	NA	NA	NA	NA	NA	NA	170	NA	NA	NA

TABLE 2
Grab Groundwater Analytical Results
Former Romic Environmental Technologies Facility
Lone Butte Industrial Park, Arizona

Sample ID	Depth Interval (bgs)	Sample Date	QC Sample	PCE (µg/L)	TCE (µg/L)	1,1-DCE (µg/L)	Propene (µg/L)	MEK (µg/L)
East	90	5/22/2013		**12**	**11**	3.0	4.2	<10
	100	5/22/2013		**7.4**	**6.8**	1.7	6.9	<10
	110	5/22/2013		**8.9**	**9.1**	2.8	7.3	<10
	120	5/22/2013		**6.3**	**6.2**	2.3	9.4	<10
	130	5/22/2013		4.2	4.2	1.2	15	<10
	140	5/22/2013		1.9	2.0	<1.0	17	<10
South	90	5/23/2013		4.6	2.5	1.4	3.5	<10
	100	5/23/2013		4.0	2.3	1.2	3.7	<10
	110	5/23/2013		3.5	2.0	1.1	4.8	<10
	120	5/23/2013		3.5	2.2	1.2	6.5	<10
	130	5/24/2013		3.2	1.3	<1.0	4.7	<10
	140	5/24/2013		3.9	1.5	<1.0	7.7	<10
	140	5/24/2013	Duplicate-1	4.0	1.6	<1.0	8.2	<10
	150	5/24/2013		2.5	1.1	<1.0	6.0	<10
Center	90	5/29/2013		2.9	1.7	<1.0	3.0	<10
	90	5/29/2013	Duplicate-2	3.1	1.6	<1.0	4.1	<10
	100	5/29/2013		3.9	2.2	<1.0	4.0	<10
	110	5/29/2013		3.2	1.8	<1.0	6.4	<10
	120	5/29/2013		3.4	2.0	<1.0	3.4	<10
	130	5/30/2013		4.6	2.2	<1.0	8.6	<10
	130	5/30/2013	Duplicate-3	**5.0**	2.2	<1.0	8.6	<10
	140	5/30/2013		2.8	1.4	<1.0	5.1	<10
	150	5/30/2013		3.6	1.7	<1.0	11	<10
	160	5/30/2013		2.2	1.1	<1.0	8.0	<10
North	90	5/31/2013		0.48J	<1.0	<1.0	11J	<10
	100	5/31/2013		0.45J	<1.0	<1.0	20J	<10
	110	5/31/2013		0.44J	<1.0	<1.0	8.8J	<10
	120	5/31/2013		0.54J	<1.0	<1.0	11J	<10
	130	5/31/2013		<0.37J	<1.0	<1.0	13J	<10
	140	5/31/2013		<0.37J	<1.0	<1.0	13J	<10
	150	6/3/2013		<1.0	<1.0	<1.0	12	18
	160	6/4/2013		<1.0	<1.0	<1.0	7.6	<10
West	110	6/5/2013		<1.0	<1.0	<1.0	22	<10
	130	6/5/2013		<1.0	<1.0	<1.0	12	<10
	130	6/5/2013	Duplicate-4	<1.0	<1.0	<1.0	16	<10
	150	6/5/2013		<1.0	<1.0	<1.0	6.4	<10
	170	6/5/2013		<1.0	<1.0	<1.0	4.8	<10
MCLs		-		5	5	7	–	–
PRGs		-		0.1	0.028	340	–	7,000

NOTES:

bgs = Below ground surface

VOC = Volatile Organic Compounds analyzed by Environmental Protection Agency (EPA) Method 8260B

µg/L = micrograms per Liter

PRGs = EPA Region 9 Preliminary Remediation Goals

MCLs = EPA Maximum Contamination Levels

BOLD = Analyte detected above the MCLs

PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCE = 1,1-Dichloroethene

MEK = 2-Butanone

J - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Samples collected from the North boring from 90 to 140 feet bgs received at greater than 4 degrees C.

TABLE 3
Verical Profile Groundwater Analytical Results
Former Romic Environmental Technologies Facility
Lone Butte Industrial Park, Arizona

Sample ID	Depth Interval (bls)	Sample Date	QC Sample	PCE (µg/L)	TCE (µg/L)	1,1-DCE (µg/L)	1,2-DCA (µg/L)	2-Butanone (µg/L)
RE101	82	8/14/2013		<1.0	<1.0	<1.0	<1.0	<10
RE103	87	8/14/2013		**5.9**	2.0	<1.0	1.4	<10
RE104	77	8/14/2013		**7.2**	2.6	<1.0	3.0	<10
RE107	82	8/14/2013		**22**	**20**	3.4	<1.0	<10
RE110	102	8/14/2013		**10**	**12**	4.2	<1.0	<10
		10/22/2013		**8.7**	**10**	4.0	<1.0	340
	110	8/14/2013		**11**	**10**	3.0	<1.0	<10
		10/22/2013		**8.2**	**7.9**	2.8	<1.0	350
	120	8/14/2013		**10**	**9.7**	3.3	<1.0	<10
		8/14/2013	Duplicate	**11**	**10**	3.2	<1.0	<10
		10/22/2013		**9.9**	**8.3**	2.8	<1.0	380
	130	8/14/2013		3.7	**8.9**	3.0	<1.0	<10
		10/22/2013		3.2	**6.7**	2.6	<1.0	360
RE111	110	8/14/2013		3.5	4.3	2.0	<1.0	<10
		10/22/2013		2.8	4.3	2.1	<1.0	360
	120	8/14/2013		**8.4**	**5.0**	2.4	<1.0	<10
		8/14/2013	Duplicate	**7.5**	4.7	2.1	<1.0	<10
		10/22/2013		**8.7**	**5.2**	2.6	<1.0	400
	130	8/14/2013		**8.7**	4.5	1.9	<1.0	<10
		10/22/2013		**7.0**	3.5	1.6	<1.0	370
	140	8/14/2013		**7.8**	3.8	1.8	<1.0	<10
		10/22/2013		**7.1**	3.8	1.7	<1.0	350
	148	8/14/2013		**5.5**	3.8	1.7	<1.0	<10
		10/22/2013		**5.0**	3.4	1.5	<1.0	360
		10/22/2013	Duplicate	4.9	3.2	1.4	<1.0	350
LB-4	74	8/14/2013		**18**	**12**	4.2	<1.0	<10
LB-5	82	8/14/2013		**51**	**26**	**10**	<1.0	<10
LB-10	118	8/14/2013		<1.0	<1.0	<1.0	<1.0	<10
LB-11	112	8/14/2013		<1.0	<1.0	<1.0	<1.0	<10
HC-9	123	8/14/2013		<1.0	<1.0	<1.0	<1.0	<10
MCLs		-		5	5	7	5	-

NOTES:

VOC = Volatile Organic Compounds analyzed by Environmental Protection Agency (EPA) Method 8260B

µg/L = micrograms per Liter

QC = Quality Control

- indicates no data

MCLs = EPA Maximum Contamination Levels

BOLD = Analyte detected above the MCLs

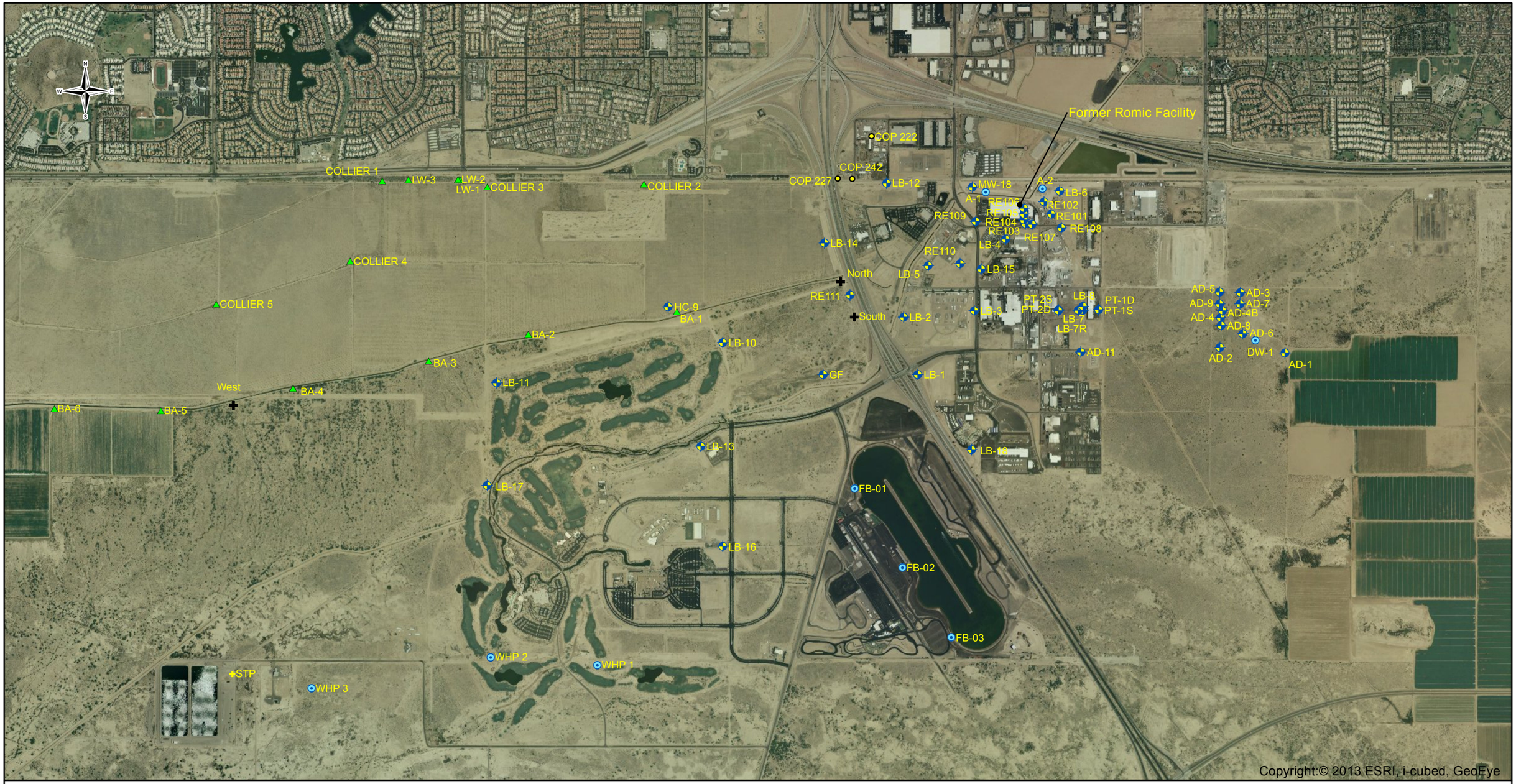
PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCE = 1,1-Dichloroethene

1,2-DCA = 1,2-Dichloroethane

FIGURES



VICINITY / WELL LOCATION MAP

Explanation

- RFI Boring
- Monitor Well
- Agricultural Well
- Drinking Water Well
- COP
- POC Well

0 0.25 0.5 1 Miles

6155 East Indian School Road
Suite 200
Scottsdale, Arizona 85251
(480) 659-7131
CLEAR CREEK ASSOCIATES

Well Completion Report

Figure 1

January 2014

Unified Soil Classification System

Major Divisions			Graph Symbol	Letter Symbol	Typical Description
Coarse Grained Soils More than 50% of Material is Larger than No. 200 Sieve	Gravel and Gravelly Soils	Clean Gravels (little or no fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels,gravel-sand mixtures, little or no fines
	More Than 50% of Coarse Fraction Retained on No. 4 Sieve	Gravels with Fines (appreciable amount of fines)		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils	Clean Sand (little or no fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sands, little or no fines
	More Than 50% of Coarse Fraction Passing on No. 4 Sieve	Sands with Fines (appreciable amount of fines)		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
Fine Grained Soils More than 50% of Material is Smaller than No. 200 Sieve	Silts and Clays	Liquid limit Less than 50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays	Liquid limit Greater than 50		MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity, fat clays
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				PT	Peat, Humus, swamp soils with high organic contents

FIGURE 2
EXPLANATION OF UNIFIED SOIL CLASSIFICATION SYSTEM AND LITHOLOGIC LOG SYMBOLS
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

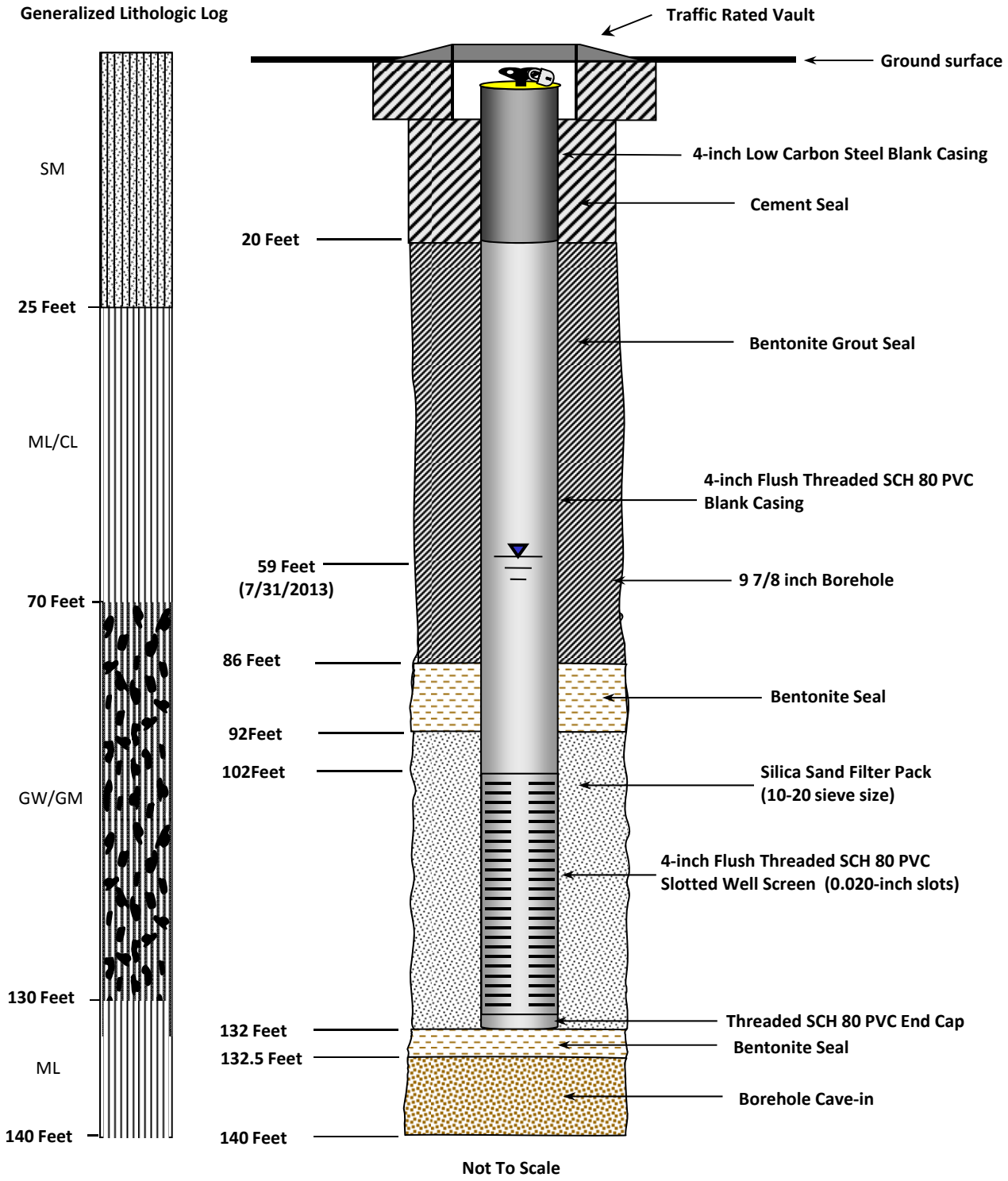


FIGURE 3
WELL COMPLETION DIAGRAM
MONITOR WELL RE110
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

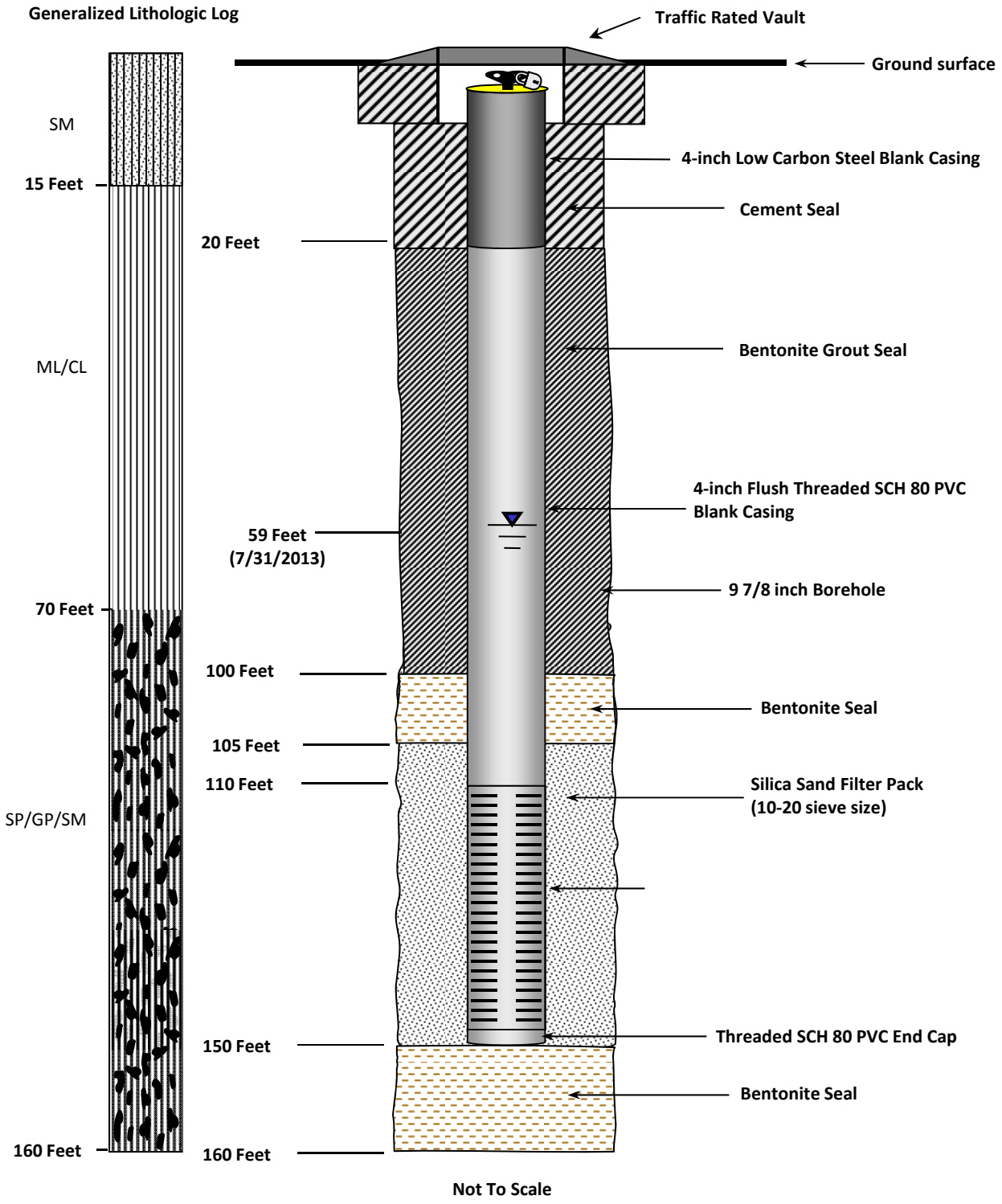


FIGURE 4
WELL COMPLETION DIAGRAM
MONITOR WELL RE111
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

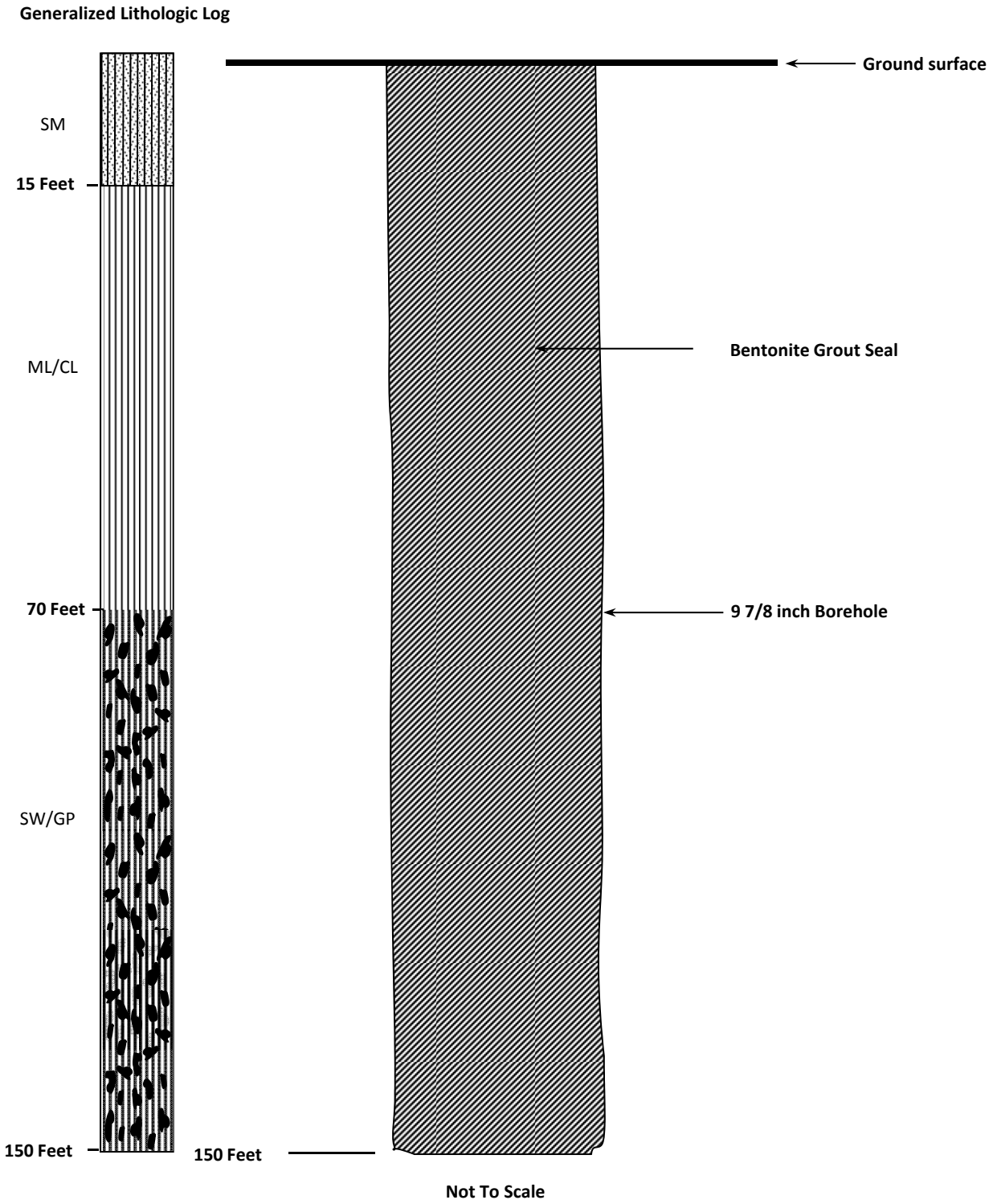


FIGURE 5
BORING COMPLETION DIAGRAM
SOUTH BORING
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

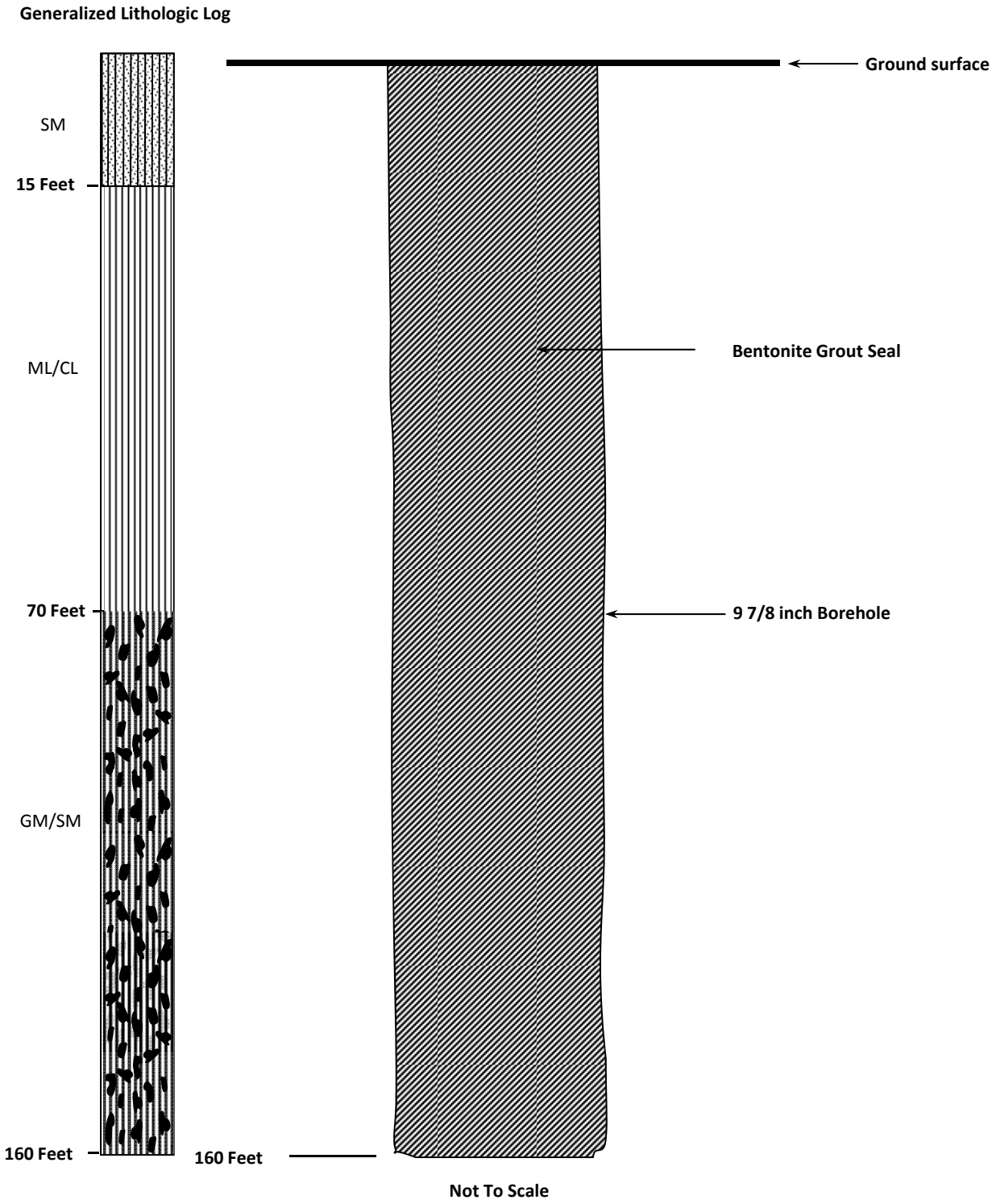


FIGURE 6
BORING COMPLETION DIAGRAM
NORTH BORING
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

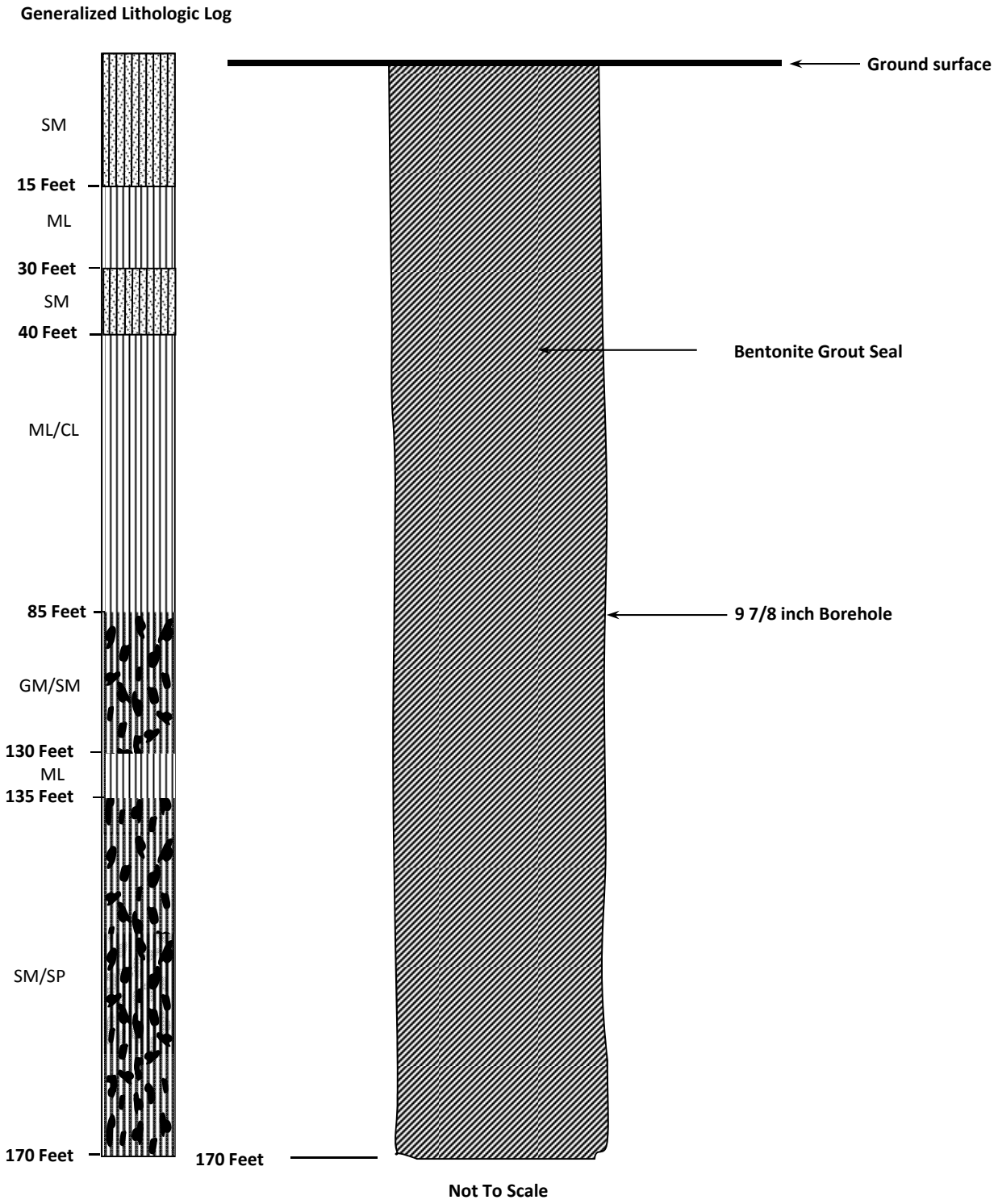


FIGURE 7
BORING COMPLETION DIAGRAM
WEST BORING
Romic Environmental Technologies
Gila River Indian Community, Arizona

CLEAR CREEK ASSOCIATES

0 0.25 0.5 1 1.5 Miles

Select Analytical Results - Grab Groundwater Sampling

0 0.25 0.5 Miles

Explanation

Boring
Monitor Well

Well Name
Concentrations in ug/L
Reported depths are feet below land surface.

World Imagery

Groundwater Water Quality Data was collected between 5/22/2013 and 6/5/2013 by Clear Creek Associates

6155 East Indian School Road
Suite 200
Scottsdale, Arizona 85251
(480) 659-7131
CLEAR CREEK ASSOCIATES

Well Completion Report

Figure 8

March 2014

APPENDIX A

PERMITTING DOCUMENTATION

GILA RIVER INDIAN COMMUNITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

MAIL TO: P.O. Box 97, Sacaton, Arizona 85247
FOR INFORMATION CALL: (520) 562-2234

East Boring

Approximate Drilling Dates: May 20 - June 7, 2013

Well Location:

2S N/S 4E E/W 4
Township Range Section

NW ¼ SW ¼ NW ¼
10 Acre 40 Acre 160 Acre

UTM Easting _____ Zone _____
UTM Northing _____
Latitude _____ ° _____ ' _____ "
Longitude _____ ° _____ ' _____ "

Type of Well:

- [x] Monitoring Well
- [ ] Domestic Well
- [ ] Production Well
- [ ] Irrigation Well
- [ ] Other (describe): _____

Do any of the following exist in the vicinity of the well:

- [x] Contaminated aquifers
- [ ] Septic systems
- [ ] Landfills
- [ ] Hazardous waste storage
- [ ] Petroleum storage

Describe: _____

Drilling Method:

- [ ] Air Rotary
- [ ] Augered
- [ ] Cable Tool
- [ ] Dual Rotary
- [ ] Mud Rotary
- [ ] Reverse Circulation
- [ ] Driven
- [ ] Jetted
- [ ] Air Percussion
- [x] Other (please specify): Rotosonic

Well Owner:

Romic Environmental Technologies
Name

2500 Tanglewilde St. Ste 470
Mailing Address

Houston TX 77063-2126
City State Zip

Telephone (800) 952 - 5760

Property Owner (if different):

Lone Butte Industrial Development Corporation
Name

6960 West Allison Road
Mailing Address

Chandler AZ 85226
City State Zip

Telephone (520) 796-5633

Driller:

Boart Longyear Company
Name

7103 West Augusta Avenue
Mailing Address

Glendale AZ 85303
City State Zip

Telephone (480) 226- 5485
DWR License Number: 83
ROC License Category: A-4
Contractor Registration: _____
GRIC Business License: 11891

Consultant (if any):

Clear Creek Associates
Company Name

Thomas R. Suriano
Contact Name

6155 E Indian School Road Suite 200
Mailing Address

Scottsdale AZ 85251
City State Zip

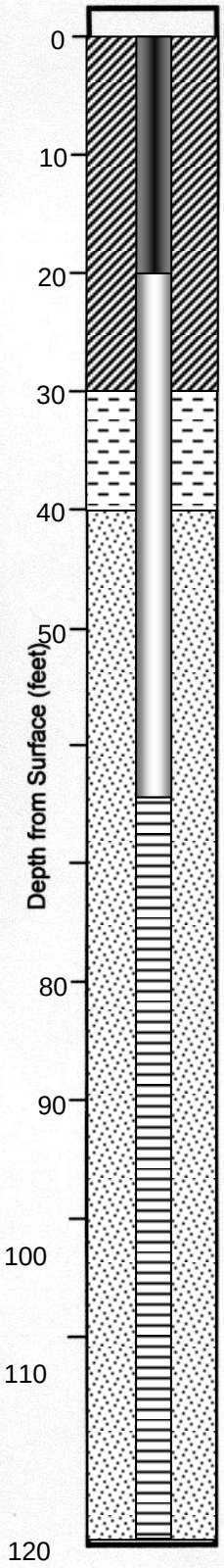
Telephone (480) 659 - 7131

SIGNATURE (of Well Owner) _____ **DATE** 5/8/2013

Version 2.0
Rev 06/30/03

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

WELL CONSTRUCTION DESIGN (attach additonal page, if needed)



Borehole			Installed Casing													
Depth from Surface			Depth from Surface			Material Type				Perforation Type						
From (feet)	To (feet)	Borehole Diameter (inches)	From (feet)	To (feet)	Outer Diameter (inches)	Steel	PVC	ABS	If Other Type, Describe	Blank or None	Wire Wrap	Shutter Screen	Mills Knife	Slotted	If Other Type, Describe	Slot Size, if any (inches)
0	160	9 ⅞	0	20	4	X				X						
			20	65	4		X			X						
			65	120	4		X							X		0.020

Installed Annular Material												
Depth from Surface		Annular Material Type								Filter Pack		
						Bentonite						
From (feet)	To (feet)	None	Concrete	Neat Cement or Cement Grout	Cement-Bentonite Grout	Grout	Chips	Pellets	If Other Type of Annular Material, Describe	Sand	Gravel	Size
0	45			X								
45	50							X				
50	122									X		10 – 20
122	125							X				
125	160										X	3/8 PG

Version 2.0
Rev 06/30/03

GILA RIVER INDIAN COMMUNITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

MAIL TO: P.O. Box 97, Sacaton, Arizona 85247
FOR INFORMATION CALL: (520) 562-2234

Middle Boring

Approximate Drilling Dates: May 20 - June 7, 2013

Well Location:

2S N/S 4E E/W 5
Township Range Section

SE ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

UTM Easting _____ Zone _____
UTM Northing _____
Latitude _____ ° _____ ' _____ "
Longitude _____ ° _____ ' _____ "

Type of Well:

- [x] Monitoring Well
- [ ] Domestic Well
- [ ] Production Well
- [ ] Irrigation Well
- [ ] Other (describe): _____

Do any of the following exist in the vicinity of the well:

- [x] Contaminated aquifers
- [ ] Septic systems
- [ ] Landfills
- [ ] Hazardous waste storage
- [ ] Petroleum storage

Describe: _____

Drilling Method:

- [ ] Air Rotary
- [ ] Augered
- [ ] Cable Tool
- [ ] Dual Rotary
- [ ] Mud Rotary
- [ ] Reverse Circulation
- [ ] Driven
- [ ] Jetted
- [ ] Air Percussion
- [x] Other (please specify): Rotosonic

Well Owner:

Romic Environmental Technologies
Name

2500 Tanglewilde St. Ste 470
Mailing Address

Houston TX 77063-2126
City State Zip

Telephone (800) 952 - 5760

Property Owner (if different):

Wild Horse Pass Development Authority
Name

5350 N. 48th Street, Suite 210
Mailing Address

Chandler AZ 85226
City State Zip

Telephone (520) 796 - 5389

Driller:

Boart Longyear Company
Name

7103 West Augusta Avenue
Mailing Address

Glendale AZ 85303
City State Zip

Telephone (480) 226- 5485
DWR License Number: 83
ROC License Category: A-4
Contractor Registration: _____
GRIC Business License: 11891

Consultant (if any):

Clear Creek Associates
Company Name

Thomas R. Suriano
Contact Name

6155 E Indian School Road Suite 200
Mailing Address

Scottsdale AZ 85251
City State Zip

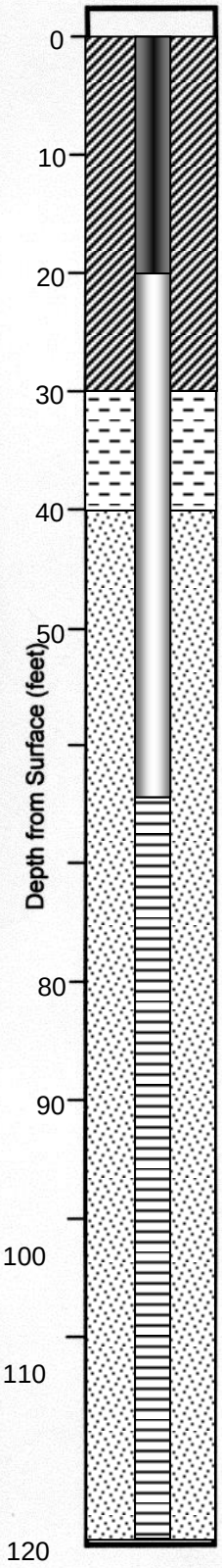
Telephone (480) 659 - 7131

SIGNATURE (of Well Owner) _____ **DATE** 5/8/2013

Version 2.0
Rev 06/30/03

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

WELL CONSTRUCTION DESIGN (attach additonal page, if needed)



Borehole			Installed Casing													
Depth from Surface			Depth from Surface			Material Type				Perforation Type						
From (feet)	To (feet)	Borehole Diameter (inches)	From (feet)	To (feet)	Outer Diameter (inches)	Steel	PVC	ABS	If Other Type, Describe	Blank or None	Wire Wrap	Shutter Screen	Mills Knife	Slotted	If Other Type, Describe	Slot Size, if any (inches)
0	160	9 7/8	0	20	4	X				X						
			20	65	4		X			X						
			65	120	4		X							X		0.020

Installed Annular Material

Depth from Surface		Annular Material Type								Filter Pack		
						Bentonite						
From (feet)	To (feet)	None	Concrete	Neat Cement or Cement Grout	Cement-Bentonite Grout	Grout	Chips	Pellets	If Other Type of Annular Material, Describe	Sand	Gravel	Size
0	45			X								
45	50							X				
50	122							X		X		10 – 20
122	125							X				
125	160										X	3/8 PG

Version 2.0
Rev 06/30/03

GILA RIVER INDIAN COMMUNITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

MAIL TO: P.O. Box 97, Sacaton, Arizona 85247
FOR INFORMATION CALL: (520) 562-2234

North Boring

Approximate Drilling Dates: May 20 - June 7, 2013

Well Location:

2S N/S 4E E/W 5
Township Range Section

NW ¼ SE ¼ SE ¼
10 Acre 40 Acre 160 Acre

UTM Easting _____ Zone _____
UTM Northing _____
Latitude _____ ° _____ ' _____ "
Longitude _____ ° _____ ' _____ "

Type of Well:

- ☒ Monitoring Well
- ☐ Domestic Well
- ☐ Production Well
- ☐ Irrigation Well
- ☐ Other (describe): _____

Do any of the following exist in the vicinity of the well:

- ☒ Contaminated aquifers
- ☐ Septic systems
- ☐ Landfills
- ☐ Hazardous waste storage
- ☐ Petroleum storage

Describe: _____

Drilling Method:

- ☐ Air Rotary
- ☐ Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☐ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☐ Air Percussion
- ☒ Other (please specify): Rotosonic

Well Owner:

Romic Environmental Technologies
Name
2500 Tanglewilde St. Ste 470
Mailing Address
Houston TX 77063-2126
City State Zip
Telephone (800) 952 - 5760

Property Owner (if different):

Wild Horse Pass Development Authority
Name
5350 N. 48th Street, Suite 210
Mailing Address
Chandler AZ 85226
City State Zip
Telephone (520) 796 - 5389

Driller:

Boart Longyear Company
Name
7103 West Augusta Avenue
Mailing Address
Glendale AZ 85303
City State Zip
Telephone (480) 226 - 5485
DWR License Number: 83
ROC License Category: A-4
Contractor Registration: _____
GRIC Business License: 11891

Consultant (if any):

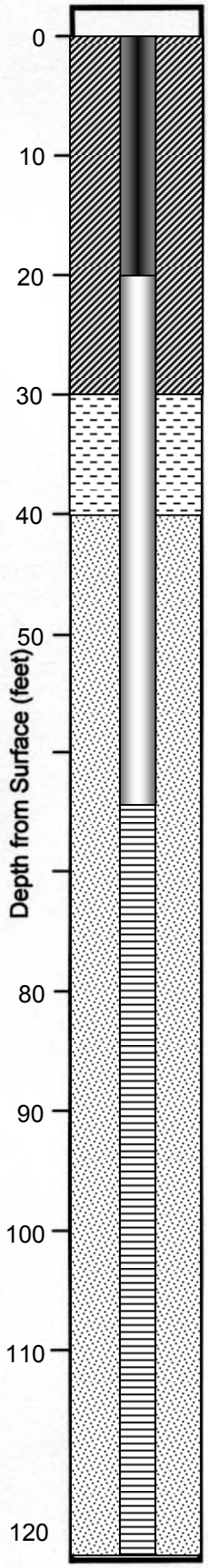
Clear Creek Associates
Company Name
Thomas R. Suriano
Contact Name
6155 E Indian School Road Suite 200
Mailing Address
Scottsdale AZ 85251
City State Zip
Telephone (480) 659 - 7131

SIGNATURE (of Well Owner) _____ **DATE** 5/8/2013

Version 2.0

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

WELL CONSTRUCTION DESIGN (attach additonal page, if needed)



Borehole			Installed Casing													
Depth from Surface			Depth from Surface			Material Type				Perforation Type						
From (feet)	To (feet)	Borehole Diameter (inches)	From (feet)	To (feet)	Outer Diameter (inches)	Steel	PVC	ABS	If Other Type, Describe	Blank or None	Wire Wrap	Shutter Screen	Mills Knife	Slotted	If Other Type, Describe	Slot Siz if any (inche
0	160	9 ⅞	0	20	4	X				X						
			20	65	4		X			X						
			65	120	4		X							X		0.020

Installed Annular Material												
Depth from Surface		Annular Material Type								Filter Pack		
						Bentonite						
From (feet)	To (feet)	None	Concrete	Neat Cement or Cement Grout	Cement-Bentonite Grout	Grout	Chips	Pellets	If Other Type of Annular Material, Describe	Sand	Gravel	Size
0	45			X								
45	50							X				
50	122									X		10 – 20
122	125							X				
125	160										X	3/8 PG

Version 2.0
Rev 06/30/03

GILA RIVER INDIAN COMMUNITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

MAIL TO: P.O. Box 97, Sacaton, Arizona 85247
FOR INFORMATION CALL: (520) 562-2234

South Boring

Approximate Drilling Dates: May 20 - June 7, 2013

Well Location:

2S N/S 4E E/W 5
Township Range Section

SE ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

UTM Easting _____ Zone _____
UTM Northing _____
Latitude _____ ° _____ ' _____ "
Longitude _____ ° _____ ' _____ "

Type of Well:

- [x] Monitoring Well
- [ ] Domestic Well
- [ ] Production Well
- [ ] Irrigation Well
- [ ] Other (describe): _____

Do any of the following exist in the vicinity of the well:

- [x] Contaminated aquifers
- [ ] Septic systems
- [ ] Landfills
- [ ] Hazardous waste storage
- [ ] Petroleum storage

Describe: _____

Drilling Method:

- [ ] Air Rotary
- [ ] Augered
- [ ] Cable Tool
- [ ] Dual Rotary
- [ ] Mud Rotary
- [ ] Reverse Circulation
- [ ] Driven
- [ ] Jetted
- [ ] Air Percussion
- [x] Other (please specify): Rotosonic

Well Owner:

Romic Environmental Technologies
Name
2500 Tanglewilde St. Ste 470
Mailing Address
Houston TX 77063-2126
City State Zip
Telephone (800) 952 - 5760

Property Owner (if different):

Wild Horse Pass Development Authority
Name
5350 N. 48th Street, Suite 210
Mailing Address
Chandler AZ 85226
City State Zip
Telephone (520) 796 - 5389

Driller:

Boart Longyear Company
Name
7103 West Augusta Avenue
Mailing Address
Glendale AZ 85303
City State Zip
Telephone (480) 226 - 5485
DWR License Number: 83
ROC License Category: A-4
Contractor Registration: _____
GRIC Business License: 11891

Consultant (if any):

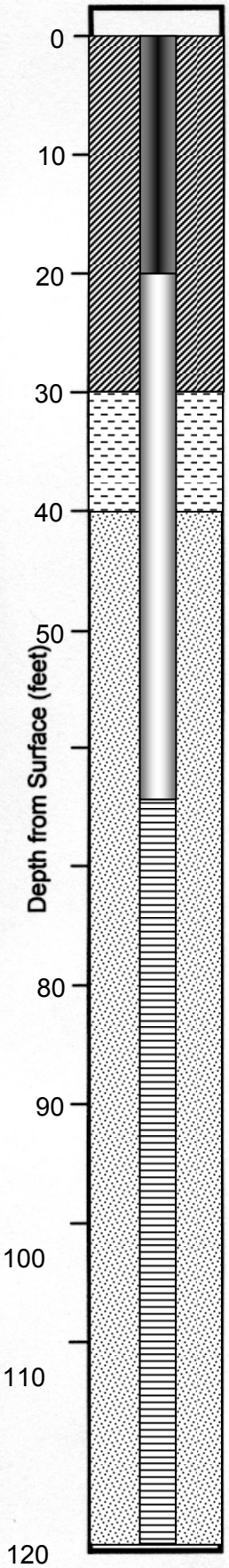
Clear Creek Associates
Company Name
Thomas R. Suriano
Contact Name
6155 E Indian School Road Suite 200
Mailing Address
Scottsdale AZ 85251
City State Zip
Telephone (480) 659 - 7131

SIGNATURE (of Well Owner) _____ **DATE** 5/8/2013

Version 2.0
Rev 06/30/03

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

WELL CONSTRUCTION DESIGN (attach additonal page, if needed)



Borehole			Installed Casing													
Depth from Surface			Depth from Surface			Material Type				Perforation Type						
From (feet)	To (feet)	Borehole Diameter (inches)	From (feet)	To (feet)	Outer Diameter (inches)	Steel	PVC	ABS	If Other Type, Describe	Blank or None	Wire Wrap	Shutter Screen	Mills Knife	Slotted	If Other Type, Describe	Slot Size, if any (inches)
0	160	9 ⅞	0	20	4	X				X						
			20	65	4		X			X						
			65	120	4		X							X		0.02
																0

Installed Annular Material												
Depth from Surface		Annular Material Type								Filter Pack		
						Bentonite						
From (feet)	To (feet)	None	Concrete	Neat Cement or Cement Grout	Cement-Bentonite Grout	Grout	Chips	Pellets	If Other Type of Annular Material, Describe	Sand	Gravel	Size
0	45			X								
45	50							X				
50										X		10 – 20
	122							X				
122	160										X	3/8 PG
125												

Version 2.0
Rev 06/30/03

GILA RIVER INDIAN COMMUNITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

MAIL TO: P.O. Box 97, Sacaton, Arizona 85247
FOR INFORMATION CALL: (520) 562-2234

West Boring

Approximate Drilling Dates: May 20 - June 7, 2013

Well Location:

2S N/S 3E E/W 2
Township Range Section

SE ¼ SE ¼ SE ¼
10 Acre 40 Acre 160 Acre

UTM Easting _____ Zone _____
UTM Northing _____
Latitude _____ ° _____ ' _____ "
Longitude _____ ° _____ ' _____ "

Type of Well:

- ☒ Monitoring Well
- ☐ Domestic Well
- ☐ Production Well
- ☐ Irrigation Well
- ☐ Other (describe): _____

Do any of the following exist in the vicinity of the well:

- ☒ Contaminated aquifers
- ☐ Septic systems
- ☐ Landfills
- ☐ Hazardous waste storage
- ☐ Petroleum storage

Describe: _____

Drilling Method:

- ☐ Air Rotary
- ☐ Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☐ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☐ Air Percussion
- ☒ Other (please specify): Rotosonic

Well Owner:

Romic Environmental Technologies
Name
2500 Tanglewilde St. Ste 470
Mailing Address
Houston TX 77063-2126
City State Zip
Telephone (800) 952 - 5760

Property Owner (if different):

Gila River Indian Community
Name
P.O. Box2140
Mailing Address
Sacaton AZ 85147
City State Zip
Telephone (520) 562 - 7150

Driller:

Boart Longyear Company
Name
7103 West Augusta Avenue
Mailing Address
Glendale AZ 85303
City State Zip
Telephone (480) 226 - 5485
DWR License Number: 83
ROC License Category: A-4
Contractor Registration: _____
GRIC Business License: 11891

Consultant (if any):

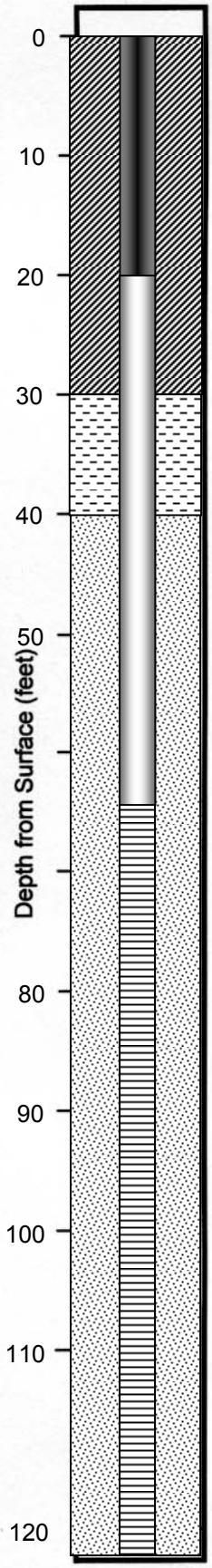
Clear Creek Associates
Company Name
Thomas R. Suriano
Contact Name
6155 E Indian School Road Suite 200
Mailing Address
Scottsdale AZ 85251
City State Zip
Telephone (480) 659 - 7131

SIGNATURE (of Well Owner) _____ **DATE** 5/8/2013

Version 2.0

NOTICE OF INTENTION TO DRILL A GROUNDWATER WELL

WELL CONSTRUCTION DESIGN (attach additonal page, if needed)



Borehole			Installed Casing													
Depth from Surface			Depth from Surface			Material Type				Perforation Type						
From (feet)	To (feet)	Borehole Diameter (inches)	From (feet)	To (feet)	Outer Diameter (inches)	Steel	PVC	ABS	If Other Type, Describe	Blank or None	Wire Wrap	Shutter Screen	Mills Knife	Slotted	If Other Type, Describe	Slot Si if an (inche
0	170	9 ⅞	0	20	4	X				X						
			20	65	4		X			X						
			65	120	4		X							X		0.020

Installed Annular Material												
Depth from Surface		Annular Material Type								Filter Pack		
						Bentonite						
From (feet)	To (feet)	None	Concrete	Neat Cement or Cement Grout	Cement-Bentonite Grout	Grout	Chips	Pellets	If Other Type of Annular Material, Describe	Sand	Gravel	Size
0	45			X								
45	50							X				
50	122									X		10 – 20
122	125							X				
125	170										X	3/8 PG

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Rev 06/30/03

APPENDIX B

PHOTOGRAPHS

APPENDIX B - PHOTOGRAPHS

Utility Markings at RE110

Air Knife Rig

Cleared Borehole

Decontamination Activities

CLEAR CREEK ASSOCIATES

APPENDIX B - PHOTOGRAPHS

Drilling Operations

Hydropunch Sampling Tool

Well Construction Materials

Well Completion Prior to Vault Installation

CLEAR CREEK ASSOCIATES

APPENDIX C

LITHOLOGIC LOGS

Project No.: 212002	**Well/Boring Name: RE110 (East boring)**
Project Name: Romic RCRA Facility Investigation	**Date Started: 5/21/13**
Location Cadastral: D(2-4)4BCB	**Date Completed: 5/22/2013**
Location NAD 83: N-831569.70 / W-685947.24	**Drilling Equipment: Longstroke Sonic Rig**
Drill Company: Boart Longyear Company	**Drilling Method: Rotosonic**
Driller(s): Roger Rodriguez, Gustavo Marquez	**Bit Size/Type: 9 7/8 "**
Logged By: Russ Granfors	**Conductor Casing (type; diameter; depth): N/A**
Reviewed By: Geno Mammini	**Total Borehole Depth: 140'**

*** Percentages of fines, sand, & gravels based on visual estimates of volume**

- ■ **(F < 0.075 mm; No. 200 sieve)**
- □ **Relative % sand (S > 0.075 < 4.75 mm)**
- ▨ **Relative % gravel (G > 4.75 mm; No. 4 sieve)**

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
0-15	40	55	5		Yes	5YR 6/6	0.0	**12.5'- Silty Sand (SM)**, Reddish yellow. Very fine silt, some sand.	Borehole air knifed to 10 feet.
15	25	45	30		Yes	5YR 5/6	0.0	**15'-** Gravelly **Silty Sand (SM)**, Yellowish red. Very little gravel up to 1" diameter.	
20	25	45	30		Yes	2.5YR 8/1	0.0	**20'- Sand gravel mixture (GM)**, White. Layer of white gravel at 17' and 20'. **Clayey Silt (ML)** contact at 22'.	
25	90	5	5		Yes	5YR 6/2	0.0	**25'- Clayey Silt (ML)**, Pinkish gray. Low to medium plasticity, lense of gravels coarse grained gravels.	Rig chatter drilling through gravel lense and caliche.
30	90	5	5		Yes	5YR 6/3	0.1	**30'- Clayey Silt (ML)**, Light reddish brown. Clay with some fine sand and small amount of gravel. A lense of cobbles at 33-34'.	
35	95	5			Yes	5YR 5/3	7.4	**35'- Clayey Silt (ML)**, Reddish brown. Trace gravel, low to medium plasticity	
40	95	5			Slightly	5YR 4/3	2.5	**40'- Clayey Silt (ML)**, Reddish brown mottled with olive gray (5Y 5/2), strongly cemented, low plasticity. Absence of caliche and increase in moisture from 41-43 feet.	
45	100				No	GLEY1 7/1 5GY	0.5	**45'- Silty Clay (CL)**, Light greenish gray. Caliche mottling at 48' (2.5YR 8/1)	
50	75	25			No	5YR 6/4	0.0	**50'- Sandy Silt (ML),** Light reddish brown.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
55	80	20			No	5YR 5/4	0.0	**55'- Sandy Silt (ML)**, Reddish brown. Non-plastic, moderately cemented. Very moist at 58.5'.	
60	80	20			Yes	5YR 5/4	0.0	**60'- Clayey Silt (ML)**, Reddish brown. Low to moderate plasticity, moderately cemented, moist to wet.	
65	65	35			No	5YR 5/3	2.2	**63'- Sandy Silt (ML)**, Reddish brown. Moderately cemented, moist to wet. **66'- Silty Sandy Gravel (GM)**, Reddish brown. poorly sorted, wet.	
70	5	60	35		No	5YR 6/3	0.0	**70'- Gravelly Sand (SW)**, Light reddish brown. Moderately cemented, poorly sorted.	
75	5	30	65		No	5YR 6/2	0.0	**75'- Sandy Gravel (GW)**, Pinkish gray. Coarse grained sand and gravel.	
80	5	30	65		No	5YR 6/2	0.0	**80'-** As above.	
85	25	30	45		No	5YR 6/2	0.0	**85'-** Increase in fines, **Silty Gravelly Sand (SM)** at 88'.	
90	5	60	35		No	5YR 5/3	0.1	**90'- Sandy Gravel (GW)**, Reddish brown. Moderately cemented, poorly sorted, wet.	Hydropunch Sample collected at 90'
95	5	60	35		No	5YR 5/3	0.0	**95'-** As above.	
100	5	60	35		No	5YR 5/3	0.0	**100'-** As above.	Hydropunch Sample collected at 100'
105	25	45	30		No	5YR 4/4	1.1	**105'- Silty Gravelly Sand (GM)**, Reddish Brown. Moderately cemented, poorly sorted, wet. Absence of fines at 108'.	

Depth (feet)	* Est. %			* Est. %	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
	F	S	G	F S G					
110	25	25	50		No	5YR 4/4	1.1	**110'- Silty Sandy Gravel (GM)**. Reddish Brown, wet poorly sorted.	Hydropunch Sample collected at 110'
115	25	25	50		No	5YR 4/3	3.6	**115'-** As above.	
120	5	35	60		No	5YR 4/3	0.4	**120'- Sandy Gravel (GW),** Reddish Brown. Porrly sorted, strongly cemented, wet.	Hydropunch Sample collected at 120'
125	5	35	60		No	5YR 4/3	0.0	**125'-** As above.	
130	85	15	0		No	5YR 4/3	0.0	**130'- Clayey Silt (ML),** Reddish Brown. Moderate plasticity, moderately cemented, wet.	Hydropunch Sample collected at 130'
135	85	15	0		No	5YR 4/3	0.0	**135'-** As above, increase in sand content at 133' and 138'.	
140	85	15	0		No	5YR 4/3	0.4	**140'-** As above.	Hydropunch Sample collected at 140' TD-140'

Project No.: 212002	**Well/Boring Name: RE111 (Center Boring)**
Project Name: Romic RCRA Facility Investigation	**Date Started: 5/29/13**
Location Cadastral: D(2-4)5BBD	**Date Completed: 5/30/13**
Location NAD 83: N-830905.19 / W-683604.72	**Drilling Equipment: Longstroke Sonic Rig**
Drill Company: Boart Longyear Company	**Drilling Method: Rotosonic**
Driller(s): Roger Rodriguez, Gustavo Marquez	**Bit Size/Type: 9-7/8"**
Logged By: Russ Granfors	**Conductor Casing (type; diameter; depth): N/A**
Reviewed By: Geno Mammini	**Total Borehole Depth: 160'**

*** Percentages of fines, sand, & gravels based on visual estimates of volume**

- ■ **(F < 0.075 mm; No. 200 sieve)**
- □ **Relative % sand (S > 0.075 < 4.75 mm)**
- ▨ **Relative % gravel (G > 4.75 mm; No. 4 sieve)**

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
0-15	35	50	15		NA	10YR 4/4	NA	**Gravelly Silty Sand (SM),** Dark Yellowish Brown.	Borehole air knifed to 10 feet. Water added.
15	90	10			Yes	7.5YR 7/2	0.3	**15'- Sandy Silt (ML)**, Pinkish gray. Caliche present.	Very hard to drill.
20	90	10			Yes	7.5YR 6/4	0.9	**20'- Sandy Silt (ML)**, Light brown. No moisture.	Very hard to drill.
25	90	10			Yes	7.5YR 7/2	2.7	**25'- Sandy Silt (ML)**, Pinkish gray. Caliche present. No moisture.	Very hard to drill.
30	95	5			Yes	7.5YR 8/1	1.7	**30'- Silt (ML)**, White. Fines all caliche.	
35	85	15			Yes	7.5YR 6/4	71.1	**35'- Sandy Silt (ML)**, Light brown. Some caliche present.	
40	100				No	7.5YR 4/3	1.3	**40'- Silty Clay (CL)**, Brown. Clay (50%) with silt (50%). Some green coloring. Clays start at 39'.	
45	100				No	7.5YR 4/3	2.5	**45'- Silty Clay (CL)**, Brown. Clay (50%) and silt (50%). Little moisture.	
50	100				No	7.5YR 4/3	2.1	**50'-** As above, except some caliche at 52'.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
55	100				Yes	7.5YR 7/2	2.8	**55'- Clayey Silt (ML)**, Pinkish gray. Clay (40%), silt (40%) and caliche (20%).	
60	100				No	7.5YR 5/4	2.1	**60'- Silty Clay (CL)**, Brown. Clay (50%) and silt (50%). Moist.	
65	90	10			No	7.5YR 5/4	0.0	**65'- Silty Clay (CL)**, Brown. Moist.	
70	90	10			No	7.5YR 4/3	0.4	**70'- Silty Clay (CL)**, Brown.	
75	20	40	40		No	7.5YR 4/2	1.4	**75'- Silty Gravelly Sand (SM)**, Brown.	
80	20	40	40		No	7.5YR 4/2	0.0	**80'-** As above. Sand layer starting at 82'.	
85	10	45	45		No	7.5YR 4/2	0.5	**85'-** As above, except decrease in fines and increased sands and gravels.	
90	10	45	45		No	7.5YR 4/2	4.6	**90'-** As above.	Hydropunch Sample collected at 90'
95	20	40	40		No	7.5YR 4/2	0.2	**95'-** As above, except increase in fines and decreased sands and gravels.	
100		50	50		No	7.5YR 4/2	0.0	**100'- Gravelly Sand (SP).** Brown. Thin sand layer at 99'.	Hydropunch Sample collected at 100'
105		40	60		No	7.5YR 4/2	0.0	**105'- Sandy Gravel (GP)**, Brown. Poorly sorted, wet.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
110		30	70		No	7.5YR 4/2	0.0	**110'-** As above, except increase in sands and decrease in gravels. Gravels fine to coarse.	Hydropunch Sample collected at 110'
115		50	50		No	7.5YR 4/2	0.0	**115'-** As above, except increase in sands and gravels. No moisture. Sand lense at 117'.	
120		50	50		No	7.5YR 4/2	0.0	**120'-** As above.	Hydropunch Sample collected at 120'
125		60	40		No	7.5YR 4/3	0.0	**125'- Gravelly Sand (SP)**, Brown.	
130	15	80	5		No	7.5YR 4/3	0.0	**130'- Silty Sand (SM),** Brown. Sand layer from 127' to 130'.	Hydropunch Sample collected at 130'
135		70	30		No	7.5YR 4/2	0.0	**135'- Gravelly Sand (SP),** Brown.	
140	20	40	40		No	7.5YR 4/2	0.0	**140'- Silty Gravelly Sand (SM),** Brown with red mottling.	Hydropunch Sample collected at 140'
145	10	45	45		No	7.5YR 4/2	0.0	**145'-** As above, except with cobbles.	
150	15	70	15		No	7.5YR 5/3	0.0	**150'- Gravelly Silty Sand (SM),** Brown.	Hydropunch Sample collected at 150'
155	10	45	45		No	7.5YR 4/2	0.0	**155'-** As above, except decrease in sands and increase in gravels.	
160	10	45	45		No	7.5YR 4/2	0.0	**160'-** As above.	Hydropunch Sample collected at 160' TD-160'

Project No.: 212002	**Well/Boring Name: North**
Project Name: Romic RCRA Facility Investigation	**Date Started: 5/30/13**
Location Cadastral: D(2-4)5DDB	**Date Completed: 6/4/13**
Location NAD 83: N/A	**Drilling Equipment: Longstroke Sonic Rig**
Drill Company: Boart Longyear Company	**Drilling Method: Rotosonic**
Driller(s): Roger Rodriguez, Gustavo Marquez	**Bit Size/Type: 9-7/8"**
Logged By: Russ Granfors	**Conductor Casing (type; diameter; depth): N/A**
Reviewed By: Geno Mammini	**Total Borehole Depth: 160'**

*** Percentages of fines, sand, & gravels based on visual estimates of volume**

- ■ **(F < 0.075 mm; No. 200 sieve)**
- □ **Relative % sand (S > 0.075 < 4.75 mm)**
- ▨ **Relative % gravel (G > 4.75 mm; No. 4 sieve)**

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
0-15	35	50	15		N/A	10YR 4/3	N/A	**Gravelly Silty Sand (SM),** Dark Yellowish Brown.	Borehole air knifed to 10 feet. Added water.
15	100				Yes	7.5YR 8/1	1.0	**15'- Clayey Silt (ML)**, White. Very fine grained, caliche.	
20	100				Yes	7.5YR 7/3	0.0	**20'-** As above, except pink.	
25	100				Yes	7.5YR 8/1	0.9	**25'-** As above, except white.	Very hard to drill.
30	40	60			No	7.5YR 5/4	0.0	**30'- Silty Sand (SM)**, Brown. Low plasticity.	
35	90	10			No	5YR 5/4	0.0	**35'- Clayey Silt (ML)**, Reddish brown. Medium plasticity. Greenish lense at 38'.	
40	50	50			No	7.5YR 5/4	0.1	**40'- Sandy Silt (ML)**, Brown. Low plasticity.	
45	100				Yes	7.5YR 7/1	0.0	**45'- Clayey Silt (ML)**, Light gray. Caliche at 45'. Light brown to medium brown mottling above and below caliche.	
50	40	60			No	7.5YR 5/4	0.0	**50'- Silty Sand (SM)**, Brown. Sand becoming more prominent.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
55	80	15	5		No	7.5YR 5/4	0.2	**55'- Sandy Silt (ML)**, Brown. Trace cobbles.	
60	95		5		Yes	7.5YR 6/3	0.0	**60'- Clayey Silt (ML)**, Light brown. High plasticity.	
65	60	40			No	7.5YR 4/3	0.0	**65'- SandySilt (ML)**, Brown. Low plasticity.	
70	40	20	40		No	7.5YR 4/3	5.8	**70'- Sandy Silty Gravel (GM)**, Brown. 1' sand lense at 71'.	
75	20	40	40		No	7.5YR 4/3	0.7	**75'- Silty Sandy Gravel (GM)**, Brown.	
80	20	40	40		No	7.5YR 4/3	2.8	**80'-** As above. Gravels up to 2" in diameter.	
85	20	40	40		No	7.5YR 4/3	0.9	**85'-** As above.	
90	20	40	40		No	7.5YR 4/3	0.4	**90'-** As above.	Hydropunch Sample collected at 90'
95	20	40	40		No	7.5YR 4/3	0.0	**95'-** As above.	
100	30	30	40		No	7.5YR 4/3	4.4	**100'-** As above, except increase in silts and decrease in sands.	Hydropunch Sample collected at 100'
105	10	45	45		No	7.5YR 4/3	0.2	**105'- Silty Sandy Gravel (GM),** Brown.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
110	10	45	45		No	7.5YR 4/3	2.2	**110'-** As above.	Hydropunch Sample collected at 110'
115	10	45	45		No	7.5YR 4/3	4.2	**115'-** As above. Gravels up to 5" in diameter.	
120	20	40	40		No	7.5YR 4/3	2.2	**120'-** As above, except slight increase in silts and decrease in sands and gravels.	Hydropunch Sample collected at 120'
125	10	45	45		No	7.5YR 4/3	2.1	**125'-** As above, except slight decrease in silts and increase in sands and gravels.	
130	20	65	30		No	7.5YR 5/2	0.0	**130'- Silty Gravelly Sand (SM)**, Brown.	Hydropunch Sample collected at 130'
135	20	40	40		No	7.5YR 4/3	0.5	**135'-** As above, except decrease in sands and increase in gravels.	
140	20	40	40		No	7.5YR 4/3	3.4	**140'-** As above.	Hydropunch Sample collected at 140'
145	20	40	40		No	7.5YR 4/3	0.0	**145'-** As above, except trace clay.	
150	20	40	40		No	7.5YR 4/3	1.3	**150'-** As above. Clay layer 150'-156'.	Hydropunch Sample collected at 150'
155	10	45	45		No	7.5YR 4/4	0.0	**155'-** As above, except slight decrease in silts and increase in sands and gravels.	
160	10	45	45		No	7.5YR 4/3	0.0	**160'-** As above.	Hydropunch Sample collected at 160' TD-160'

Project No.: 212002	**Well/Boring Name: South Boring**
Project Name: Romic RCRA Facility Investigation	**Date Started: 5/23/13**
Location Cadastral: D(2-4)5BBD	**Date Completed: 5/24/13**
Location NAD 83: N/A	**Drilling Equipment: Longstroke Sonic Rig**
Drill Company: Boart Longyear Company	**Drilling Method: Rotosonic**
Driller(s): Roger Rodriguez, Gustavo Marquez	**Bit Size/Type: 9-7/8"**
Logged By: Russ Granfors	**Conductor Casing (type; diameter; depth): N/A**
Reviewed By: Geno Mammini	**Total Borehole Depth: 170'**

*** Percentages of fines, sand, & gravels based on visual estimates of volume**

- ■ **(F < 0.075 mm; No. 200 sieve)**
- □ **Relative % sand (S > 0.075 < 4.75 mm)**
- ▨ **Relative % gravel (G > 4.75 mm; No. 4 sieve)**

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
0-10	35	50	15		NA	10YR 4/4	NA	**Gravelly Silty Sand (SM),** Dark Yellowish Brown.	Borehole air knifed to 10 feet. Added water.
15	90	5	5		Yes	7.5YR 7/1	0.7	**15'- Sandy Silt (ML)**, Light gray. Very hard, caliche.	
20	90	5	5		Yes	7.5YR 7/3	3.9	**20'-** As above, except pink.	Very hard drilling.
25	85	15			Yes	7.5YR 8/1	5.9	**25'-** As above, except white. Caliche.	
30	80	20			Yes	7.5YR 7/2	0.0	**30'-** As above, except pinkish gray. Silt (70%) and clay (10%).	
35	80	20			Yes	7.5YR 7/2	0.4	**35'- Clayey Sandy Silt (ML),** pinkish gray. Silt (60%) and clay (20%).	
40	100				Yes	GREY1 7/10Y	0.0	**40'- Silty Clay (CL)**, Light greenish gray. Clay (75%) with silt (25%). Distinct greenish color from 38'-41'.	
45	100				Yes	7.5YR 5/4	0.0	**45'- Silty Clay (CL)**, Brown. Clay (70%) and silt (30%).	Easier drilling.
50	100				No	7.5YR 5/3	0.0	**50'-** As above.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
55	90	5	5		No	7.5YR 6/2	0.0	**55'- Clayey Silt (ML)**, Pinkish gray. Wet.	
60	100				No	7.5YR 5/4	0.0	**60'-** As above, except Brown.	
65	100				No	7.5YR 5/4	0.0	**65'-** As above.	
70	15	55	30		No	7.5YR 4/2	0.0	**70'- Silty Gravelly Sand (SM)**, Brown.	
75	30	40	30		No	7.5YR 4/2	0.0	**75'-** As above, with gravels up to 4" in diameter.	
80	5	35	60		No	7.5YR 4/2	0.0	**80'- Sandy Gravel (GP)**, Brown. Poorly sorted.	
85	5	35	60		No	7.5YR 4/2	0.0	**85'-** As above, except cobbles up to 6".	
90	5	35	60		No	7.5YR 4/2	0.0	**90'-** As above, except larger percentage of fines.	Hydropunch Sample collected at 90'
95	15	25	60		No	7.5YR 4/2	0.0	**95'- Silty Sandy Gravel (GP)**, Brown. Gravels up to 6" in diameter.	
100	10	20	70		No	7.5YR 4/2	0.0	**100'-** As above, except fewer fines and increased gravels.	Hydropunch Sample collected at 100'
105	15	25	60		No	7.5YR 4/2	0.0	**105'-** As above, except fine to coarse gravels 1/4" to 5" in diameter.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
110	15	25	60		No	7.5YR 4/2	0.0	**110'-** As above.	Hydropunch Sample collected at 110'
115	25	30	45		No	7.5YR 4/2	0.0	**115'-** As above, except increase in fines. Gravels up to 2".	
120	5	90	5		No	7.5YR 5/3	0.0	**120'- Sand (SW),** Brown.	Hydropunch Sample collected at 120'
125	20	40	40		No	7.5YR 4/2	0.0	**125'- Silty Sandy Gravel (GP),** Brown. Sand layer ends at 123'.	
130	20	40	40		No	7.5YR 4/2	0.0	**130'-** As above**,** Silt (15%) and clay (5%).	Hydropunch Sample collected at 130'
135	20	40	40		No	7.5YR 4/2	0.0	**135'-** As above.	
140	20	40	40		No	7.5YR 4/2	0.0	**140'-** As above, except wet.	Hydropunch Sample collected at 140'
145	10	45	45		No	7.5YR 4/2	0.0	**145'- Gravelly Sand (SW),** Brown. Poorly sorted sand. Sand lense at 142'.	
150	10	45	45		No	7.5YR 4/2	0.0	**150'-** As above.	Hydropunch Sample collected at 150' TD - 150'

Project No.: 212002	**Well/Boring Name: West Boring**
Project Name: Romic RCRA Facility Investigation	**Date Started: 6/4/13**
Location Cadastral: D(2-3)2DDD	**Date Completed: 6/5/13**
Location NAD 83: NA	**Drilling Equipment: Longstroke Sonic Rig**
Drill Company: Boart Longyear Company	**Drilling Method: Rotosonic**
Driller(s): Roger Rodriguez, Gustavo Marquez	**Bit Size/Type: 9-7/8"**
Logged By: Russ Granfors	**Conductor Casing (type; diameter; depth): N/A**
Reviewed By: Geno Mammini	**Total Borehole Depth: 170'**

*** Percentages of fines, sand, & gravels based on visual estimates of volume**

- ■ **(F < 0.075 mm; No. 200 sieve)**
- □ **Relative % sand (S > 0.075 < 4.75 mm)**
- ▨ **Relative % gravel (G > 4.75 mm; No. 4 sieve)**

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
0-10	75	20	5		Yes	7.5YR 6/4	0.1	**12.5'- Silty Sand (SM)**, Reddish yellow. Very fine silt, some sand.	Borehole air knifed to 10 feet.
15	75	20	5		Yes	7.5YR 6/4	0.1	**15'-** As above.	
20	90	5	5		Yes	7.5YR 7/2	0.0	**20'- Clayey Silt (ML)**, Pinkish gray. Caliche, strongly cemented.	
25	90	5	5		Yes	7.5YR 6/2	0.5	**25'-**As above, except slightly darker.	
30	30	65	5		No	7.5YR 4/3	0.4	**30'- Silty Sand (SM)**, Brown. Low plasticity. Caliche.	
35	40	55	5		No	7.5YR 6/2	0.1	**35'-** As above.	
40	90	5	5		Yes	7.5YR 7/2	0.9	**40'- Clayey Silt (ML)**, Pinkish gray. Caliche. Clay layer between 36'-40'.	

CLEAR CREEK ASSOCIATES

Depth (feet)	* Est. %			* Est. %	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
	F	S	G	F S G					
45	90	5	5		Yes	7.5YR 6/2	0.5	**45'- Clayey Silt (ML)**, Pinkish gray. Caliche present.	
50	90	5	5		Yes	7.5YR 4/3	11.7	**50'-** As above, except brown. No caliche beyond 50'.	
55	95	5			No	7.5YR 4/3	2.9	**55'- Clay (CH)**, Brown. High plasticity.	
60	95	5			No	7.5YR 4/3	2.4	**60'-** As above, except minor caliche present. High plasticity. Wet.	
65	95	5			No	7.5YR 5/3	0.5	**65'-** As above.	
70	95	5			Yes	7.5YR 6/2	0.3	**70'-** As above, except Pinkish gray. High plasticity. Wet.	
75	95	5			Yes	7.5YR 6/2	0.3	**75'-** As above.	
80	95	5			No	7.5YR 4/3	0.0	**80'-** As above, except brown.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
85	95	5			No	7.5YR 4/3	0.0	**85'-** As above.	
90	30	40	30		No	7.5YR 4/3	4.4	**90'- Silty Gravelly Sand (GM)**, Brown. Sand (40%), gravel (30%), silt (20%), clay (10%).	
95	20	40	40		No	7.5YR 4/3	1.8	**95'-** As above, except sand (40%), gravel (40%), silt (20%).	
100	20	40	40		No	7.5YR 4/3	0.2	**100'-** As above.	
105	20	40	40		No	7.5YR 4/3	3.9	**105'-** As above.	
110	10	40	50		No	7.5YR 4/3	0.5	**110'- Sandy Gravel (GM)**, Brown. Gravel (50%), sand (40%), silt (10%).	Hydropunch Sample collected at 110'
115	10	45	45		No	7.5YR 4/3	0.9	**115'-** As above, except increase in coarse grained sand.	
120	10	45	45		No	7.5YR 4/3	1.8	**120'-** As above.	

Depth (feet)	* Est. % F	* Est. % S	* Est. % G	* Est. % F S G	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
125	30	40	30		No	7.5YR 5/4	8.1	**125'- Gravelly Silty Sand (SM),** Brown. Black silt layer at 124'.	
130	100				No	7.5YR 5/6	4.0	**130'- Clayey Silt (ML),** Strong brown. Silt (70%) and clay (30%). Low plasticity.	Hydropunch Sample collected at 130'
135	10	45	45		No	7.5YR 4/2	0.0	**135'- Silty Gravelly Sand (SM),** Brown.	
140	10	45	45		No	7.5YR 4/2	0.0	**140'-** As above.	
145	20	40	40		No	7.5YR 4/2	0.6	**145'-** As above, except increase in fines.	
150	20	40	40		No	7.5YR 4/2	0.0	**150'-** As above, except 1" clay layer at 150'.	Hydropunch Sample collected at 150'
155	20	40	40		No	7.5YR 4/2	0.0	**155'-** As above at 145'.	
160	10	70	20		No	7.5YR 4/2	0.0	**160'- Gravelly Sand (SP),** Brown.	

Depth (feet)	* Est. %			* Est. %	HCl Rxn	Munsell Color	PID	Sample Description	Remarks
	F	S	G	F S G					
165	20	40	40		No	7.5YR 4/2	0.0	**165'- Silty Gravelly Sand (SM),** Brown. Silt (10%) and clay (10%).	
170	20	40	40		No	7.5YR 4/2	0.0	**170'-** As above. Gravels up to 5".	Hydropunch Sample collected at 170' TD-170'

APPENDIX D

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

12065 Lebanon Rd.
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(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Thursday May 23, 2013

Report Number: L637403
Samples Received: 05/23/13
Client Project: 212002

Description: Romic Environmental

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-01

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	0.0030	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-01

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.0042	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.012	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.011	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	96.4		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	100.		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	114.		% Rec.	8260B	05/23/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 05/23/13 16:50 Printed: 05/23/13 16:50

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-02

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-101

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	0.0017	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-02

Site ID : ROMIC

Project # : 212002

Date Received : May 23, 2013
Description : Romic Environmental

Sample ID : EAST-101

Collected By : Russell Granfors
Collection Date : 05/22/13 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.0069	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.0074	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.0068	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	96.7		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	100.		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	111.		% Rec.	8260B	05/23/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-03

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 10:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	0.0028	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-03

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 10:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.0073	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.0089	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.0091	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	98.0		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	98.9		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	107.		% Rec.	8260B	05/23/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-04

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	0.0023	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-04

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.0094	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.0063	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.0062	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	96.5		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	109.		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	111.		% Rec.	8260B	05/23/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-05

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 13:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	0.0012	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-05

Site ID : ROMIC

Project # : 212002

Date Received : May 23, 2013
Description : Romic Environmental

Sample ID : EAST-131

Collected By : Russell Granfors
Collection Date : 05/22/13 13:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.015	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.0042	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.0042	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	96.4		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	99.8		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	113.		% Rec.	8260B	05/23/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-06

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 14:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-06

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : EAST-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 14:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	0.017	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	0.0019	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	0.0020	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	101.		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	99.9		% Rec.	8260B	05/23/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-07

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : TRIPBLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/23/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/23/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/23/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/23/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/23/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/23/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/23/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/23/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/23/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 23, 2013

ESC Sample # : L637403-07

Date Received : May 23, 2013
Description : Romic Environmental

Site ID : ROMIC

Sample ID : TRIPBLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/22/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/23/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/23/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/23/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/23/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/23/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/23/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/23/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/23/13	1
Propene	BDL	0.0025	mg/l	8260B	05/23/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/23/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/23/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/23/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/23/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/23/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/23/13	1
Surrogate Recovery						
Toluene-d8	93.2		% Rec.	8260B	05/23/13	1
Dibromofluoromethane	98.8		% Rec.	8260B	05/23/13	1
4-Bromofluorobenzene	111.		% Rec.	8260B	05/23/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 05/23/13 16:50 Printed: 05/23/13 16:51

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L637403-01	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-02	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-03	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-04	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-05	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-06	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4
L637403-07	WG662830	SAMP	Carbon disulfide	R2682181	J3
	WG662830	SAMP	cis-1,3-Dichloropropene	R2682181	J3
	WG662830	SAMP	4-Methyl-2-pentanone (MIBK)	R2682181	J3
	WG662830	SAMP	Propene	R2682181	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
05/23/13 at 16:51:06

TSR Signing Reports: 288
R1 - Rush: Sameday

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L637403-01 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-02 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-03 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-04 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-05 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-06 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Sample: L637403-07 Account: CLECRESAZ Received: 05/23/13 09:30 Due Date: 05/23/13 00:00 RPT Date: 05/23/13 16:50

Company Name/Address

CLEAR CREEK AND ASSOCIATES

6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing

Report to: Gene Mamini

E-mail to: gmamini@clearcreekassociates.com

Project Description: Romic Environmental

City/State Collected: Chandler AZ

PHONE: 480-~~474-4049~~ 659-7131

FAX: 480-659-7143

Client Project No. 212002

Lab Project #

Collected by: Russell Granfors

Site/Facility ID# Romic

P.O.#

Collected by(signature): Russell Granfors

Packed on Ice N___ Y_X_

Rush? (Lab MUST be Notified)
_X_ ~~Next Day~~ Same Day.....100%
_____ Two Day.....50%
_____ Three Day.....25%

Date Results Needed 5/23/12

Email?___No_X_Yes
FAX?___No___Yes

Analysis/Container/Preservative: 8260

G020

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260								Remarks/contaminant	Sample # (lab only)
East-91	Grab	GW	91	5/22/13	0800	2	X									L637403-01
East-101	Grab	GW	101	5/22/13	0940	2	X									02
East-111	Grab	GW	111	5/22/13	1045	2	X									03
East-121	Grab	GW	121	5/22/13	1200	2	X									04
East-131	Grab	GW	131	5/22/13	1340	2	X									05
East-141	Grab	GW	141	5/22/13	1455	2	X									06
Trip Blank						1	X									07

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx_UPS_Other__	Condition (lab use only)
Russell Granfors	5/22/13	1500	[illegible]	5632 3975 5371	OK
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.7° / Bottles Received: 13up	
[illegible]	5/22/13	1325	Emily Vanostrand		
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked:	NCF:
Emily Vanostrand	5/22/13	1700	[illegible]	5/23/13	0938		

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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Friday May 24, 2013

Report Number: L637566
Samples Received: 05/24/13
Client Project: 212002

Description: Romic

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

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

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-01

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 12:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/24/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/24/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/24/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/24/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/24/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloroethene	0.0014	0.0010	mg/l	8260B	05/24/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-01

Site ID : ROMIC

Project # : 212002

Date Received : May 24, 2013
Description : Romic

Sample ID : SOUTH-91

Collected By : Russell Granfors
Collection Date : 05/23/13 12:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/24/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/24/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/24/13	1
Propene	0.0035	0.0025	mg/l	8260B	05/24/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Tetrachloroethene	0.0046	0.0010	mg/l	8260B	05/24/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichloroethene	0.0025	0.0010	mg/l	8260B	05/24/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/24/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/24/13	1
Surrogate Recovery						
Toluene-d8	99.7		% Rec.	8260B	05/24/13	1
Dibromofluoromethane	93.2		% Rec.	8260B	05/24/13	1
4-Bromofluorobenzene	99.8		% Rec.	8260B	05/24/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-02

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-101

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/24/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/24/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/24/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/24/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/24/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloroethene	0.0012	0.0010	mg/l	8260B	05/24/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-02

Site ID : ROMIC

Project # : 212002

Date Received : May 24, 2013
Description : Romic

Sample ID : SOUTH-101

Collected By : Russell Granfors
Collection Date : 05/23/13 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/24/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/24/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/24/13	1
Propene	0.0037	0.0025	mg/l	8260B	05/24/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Tetrachloroethene	0.0040	0.0010	mg/l	8260B	05/24/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichloroethene	0.0023	0.0010	mg/l	8260B	05/24/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/24/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/24/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/24/13	1
Dibromofluoromethane	92.3		% Rec.	8260B	05/24/13	1
4-Bromofluorobenzene	103.		% Rec.	8260B	05/24/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-03

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 15:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/24/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/24/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/24/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/24/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/24/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloroethene	0.0011	0.0010	mg/l	8260B	05/24/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-03

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 15:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/24/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/24/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/24/13	1
Propene	0.0048	0.0025	mg/l	8260B	05/24/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Tetrachloroethene	0.0035	0.0010	mg/l	8260B	05/24/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichloroethene	0.0020	0.0010	mg/l	8260B	05/24/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/24/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/24/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/24/13	1
Dibromofluoromethane	94.9		% Rec.	8260B	05/24/13	1
4-Bromofluorobenzene	100.		% Rec.	8260B	05/24/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-04

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 16:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/24/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/24/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/24/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/24/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/24/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloroethene	0.0012	0.0010	mg/l	8260B	05/24/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-04

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 16:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/24/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/24/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/24/13	1
Propene	0.0065	0.0025	mg/l	8260B	05/24/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Tetrachloroethene	0.0035	0.0010	mg/l	8260B	05/24/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichloroethene	0.0022	0.0010	mg/l	8260B	05/24/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/24/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/24/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/24/13	1
Dibromofluoromethane	92.5		% Rec.	8260B	05/24/13	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	05/24/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-05

Date Received : May 24, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIPBLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/23/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/24/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/24/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/24/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/24/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/24/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/24/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/24/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/24/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/24/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1

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

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 24, 2013

ESC Sample # : L637566-05

Site ID : ROMIC

Project # : 212002

Date Received : May 24, 2013
Description : Romic

Sample ID : TRIPBLANK

Collected By : Russell Granfors
Collection Date : 05/23/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/24/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/24/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/24/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/24/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/24/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/24/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/24/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/24/13	1
Propene	BDL	0.0025	mg/l	8260B	05/24/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/24/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/24/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/24/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/24/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/24/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/24/13	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	05/24/13	1
Dibromofluoromethane	94.7		% Rec.	8260B	05/24/13	1
4-Bromofluorobenzene	102.		% Rec.	8260B	05/24/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
.
Reported: 05/24/13 15:00 Printed: 05/24/13 15:00

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L637566-01	WG663111	SAMP	Acetone	R2683420	J6J3
	WG663111	SAMP	Acrolein	R2683420	J3
	WG663111	SAMP	Acrylonitrile	R2683420	J6J3
	WG663111	SAMP	Benzene	R2683420	J6J3
	WG663111	SAMP	Bromobenzene	R2683420	J6J3
	WG663111	SAMP	Bromodichloromethane	R2683420	J6J3
	WG663111	SAMP	Bromoform	R2683420	J6J3
	WG663111	SAMP	Bromomethane	R2683420	J3
	WG663111	SAMP	n-Butylbenzene	R2683420	J6J3
	WG663111	SAMP	sec-Butylbenzene	R2683420	J6J3
	WG663111	SAMP	tert-Butylbenzene	R2683420	J6J3
	WG663111	SAMP	Carbon tetrachloride	R2683420	J6J3
	WG663111	SAMP	Carbon disulfide	R2683420	J3
	WG663111	SAMP	Chlorobenzene	R2683420	J6J3
	WG663111	SAMP	Chlorodibromomethane	R2683420	J6J3
	WG663111	SAMP	Chloroethane	R2683420	J3
	WG663111	SAMP	Chloroform	R2683420	J6J3
	WG663111	SAMP	Chloromethane	R2683420	J3
	WG663111	SAMP	2-Chlorotoluene	R2683420	J6J3
	WG663111	SAMP	4-Chlorotoluene	R2683420	J6J3
	WG663111	SAMP	1,2-Dibromo-3-Chloropropane	R2683420	J6J3
	WG663111	SAMP	1,2-Dibromoethane	R2683420	J6J3
	WG663111	SAMP	Dibromomethane	R2683420	J6J3
	WG663111	SAMP	1,2-Dichlorobenzene	R2683420	J6J3
	WG663111	SAMP	1,3-Dichlorobenzene	R2683420	J6J3
	WG663111	SAMP	1,4-Dichlorobenzene	R2683420	J6J3
	WG663111	SAMP	1,1-Dichloroethane	R2683420	J6J3
	WG663111	SAMP	1,2-Dichloroethane	R2683420	J6J3
	WG663111	SAMP	1,1-Dichloroethene	R2683420	J3
	WG663111	SAMP	cis-1,2-Dichloroethene	R2683420	J6J3
	WG663111	SAMP	trans-1,2-Dichloroethene	R2683420	J3
	WG663111	SAMP	1,2-Dichloropropane	R2683420	J6J3
	WG663111	SAMP	1,1-Dichloropropene	R2683420	J3
	WG663111	SAMP	1,3-Dichloropropane	R2683420	J6J3
	WG663111	SAMP	cis-1,3-Dichloropropene	R2683420	J6J3
	WG663111	SAMP	trans-1,3-Dichloropropene	R2683420	J6J3
	WG663111	SAMP	2,2-Dichloropropane	R2683420	J6J3
	WG663111	SAMP	Dicyclopentadiene	R2683420	J6J3
	WG663111	SAMP	Di-isopropyl ether	R2683420	J6J3
	WG663111	SAMP	Ethylbenzene	R2683420	J6J3
	WG663111	SAMP	4-Ethyltoluene	R2683420	J6J3
	WG663111	SAMP	Hexachloro-1,3-butadiene	R2683420	J6J3
	WG663111	SAMP	n-Hexane	R2683420	J3
	WG663111	SAMP	Isopropylbenzene	R2683420	J6J3
	WG663111	SAMP	p-Isopropyltoluene	R2683420	J6J3
	WG663111	SAMP	2-Butanone (MEK)	R2683420	J6J3
	WG663111	SAMP	Methylene Chloride	R2683420	J6J3
	WG663111	SAMP	4-Methyl-2-pentanone (MIBK)	R2683420	J6J3
	WG663111	SAMP	Methyl tert-butyl ether	R2683420	J6J3
	WG663111	SAMP	Naphthalene	R2683420	J6J3
	WG663111	SAMP	n-Propylbenzene	R2683420	J6J3
	WG663111	SAMP	Styrene	R2683420	J6J3
	WG663111	SAMP	1,1,1,2-Tetrachloroethane	R2683420	J6J3
	WG663111	SAMP	1,1,2,2-Tetrachloroethane	R2683420	J6J3
	WG663111	SAMP	1,1,2-Trichlorotrifluoroethane	R2683420	J3
	WG663111	SAMP	Tetrachloroethene	R2683420	J6J3
	WG663111	SAMP	Toluene	R2683420	J6J3
	WG663111	SAMP	1,2,3-Trichlorobenzene	R2683420	J6J3
	WG663111	SAMP	1,2,4-Trichlorobenzene	R2683420	J6J3
	WG663111	SAMP	1,1,1-Trichloroethane	R2683420	J6J3
	WG663111	SAMP	1,1,2-Trichloroethane	R2683420	J6J3
	WG663111	SAMP	Trichloroethene	R2683420	J3
	WG663111	SAMP	Trichlorofluoromethane	R2683420	J3
	WG663111	SAMP	1,2,3-Trichloropropane	R2683420	J6J3
	WG663111	SAMP	1,2,4-Trimethylbenzene	R2683420	J6J3
	WG663111	SAMP	1,2,3-Trimethylbenzene	R2683420	J6J3
	WG663111	SAMP	1,3,5-Trimethylbenzene	R2683420	J6J3
	WG663111	SAMP	Vinyl chloride	R2683420	J3
	WG663111	SAMP	Xylenes, Total	R2683420	J3J6

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
05/24/13 at 15:00:37

TSR Signing Reports: 288
R1 - Rush: Sameday

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L637566-01 Account: CLECRESAZ Received: 05/24/13 07:00 Due Date: 05/24/13 00:00 RPT Date: 05/24/13 15:00

Sample: L637566-02 Account: CLECRESAZ Received: 05/24/13 07:00 Due Date: 05/24/13 00:00 RPT Date: 05/24/13 15:00

Sample: L637566-03 Account: CLECRESAZ Received: 05/24/13 07:00 Due Date: 05/24/13 00:00 RPT Date: 05/24/13 15:00

Sample: L637566-04 Account: CLECRESAZ Received: 05/24/13 07:00 Due Date: 05/24/13 00:00 RPT Date: 05/24/13 15:00

Sample: L637566-05 Account: CLECRESAZ Received: 05/24/13 07:00 Due Date: 05/24/13 00:00 RPT Date: 05/24/13 15:00

Company Name/Address

CLEAR CREEK AND ASSOCIATES

6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing: *Same day Rush*

Report to: Gene Mamini

E-mail to: gmamini@clearcreekassociates.com

Project Description: Romic

City/State Collected:

PHONE: ~~480-471-1049~~ 480-659-7131
FAX: 480-659-7143

Client Project No.: 212002

Lab Project #:

Collected by: Russell Granford

Site/Facility ID#: Romic

P.O.#:

Collected by(signature):

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next Day~~ Same day 100%
_____ Two Day.....50%
_____ Three Day.....25%

Date Results Needed

Email?___No_X__Yes
FAX?____No___Yes

Analysis/Container/Preservative: 8260B

Chain of Custody
Page 1 of 1

Prepared by: A200

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260B								Remarks/contaminant	Sample # (lab only)
South-91	Grab	GW	91	5/23/13	1255	2	X								L637566	-01
South-101	Grab	GW	101	5/23/13	1405	2	X									-02
South-111	Grab	GW	111	5/23/13	1510	2	X									-03
South-121	Grab	GW	121	5/23/13	1610	2	X									-04
Trip Blank						1	X									-05

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__Other SWA	Condition (lab use only)
	5/23/13	1635			ok TO
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 3.1°C / Bottles Received: 9VP	COCSI
	5/23/13	1650			
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 5-24-13 / Time: 0700	pH Checked: / NCF:

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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Tuesday May 28, 2013

Report Number: L637867
Samples Received: 05/25/13
Client Project: 212002

Description: Romic

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-01

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-DUP 1

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 06:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/26/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/26/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/26/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/26/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/26/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1

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

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-01

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-DUP 1

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 06:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/26/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/26/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/26/13	1
Propene	0.0082	0.0025	mg/l	8260B	05/26/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Tetrachloroethene	0.0040	0.0010	mg/l	8260B	05/26/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichloroethene	0.0016	0.0010	mg/l	8260B	05/26/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/26/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/26/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	05/26/13	1
Dibromofluoromethane	89.6		% Rec.	8260B	05/26/13	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	05/26/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-02

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 07:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/26/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/26/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/26/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/26/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/26/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-02

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 07:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/26/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/26/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/26/13	1
Propene	0.0047	0.0025	mg/l	8260B	05/26/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Tetrachloroethene	0.0032	0.0010	mg/l	8260B	05/26/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichloroethene	0.0013	0.0010	mg/l	8260B	05/26/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/26/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/26/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	05/26/13	1
Dibromofluoromethane	90.1		% Rec.	8260B	05/26/13	1
4-Bromofluorobenzene	94.7		% Rec.	8260B	05/26/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-03

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/26/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/26/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/26/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/26/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/26/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-03

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/26/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/26/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/26/13	1
Propene	0.0077	0.0025	mg/l	8260B	05/26/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Tetrachloroethene	0.0039	0.0010	mg/l	8260B	05/26/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichloroethene	0.0015	0.0010	mg/l	8260B	05/26/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/26/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/26/13	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	05/26/13	1
Dibromofluoromethane	90.1		% Rec.	8260B	05/26/13	1
4-Bromofluorobenzene	94.7		% Rec.	8260B	05/26/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-04

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 10:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/26/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/26/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/26/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/26/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/26/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-04

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : SOUTH-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 10:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/26/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/26/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/26/13	1
Propene	0.0060	0.0025	mg/l	8260B	05/26/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Tetrachloroethene	0.0025	0.0010	mg/l	8260B	05/26/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichloroethene	0.0011	0.0010	mg/l	8260B	05/26/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/26/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/26/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/26/13	1
Dibromofluoromethane	89.1		% Rec.	8260B	05/26/13	1
4-Bromofluorobenzene	96.8		% Rec.	8260B	05/26/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 05/28/13 10:15 Printed: 05/28/13 10:15

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-05

Date Received : May 25, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/24/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/26/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/26/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/26/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/26/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/26/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/26/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/26/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/26/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/26/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 28, 2013

ESC Sample # : L637867-05

Site ID : ROMIC

Project # : 212002

Date Received : May 25, 2013
Description : Romic

Sample ID : TRIP BLANK

Collected By : Russell Granfors
Collection Date : 05/24/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/26/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/26/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/26/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/26/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/26/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/26/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/26/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/26/13	1
Propene	BDL	0.0025	mg/l	8260B	05/26/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/26/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/26/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/26/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/26/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/26/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/26/13	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	05/26/13	1
Dibromofluoromethane	89.7		% Rec.	8260B	05/26/13	1
4-Bromofluorobenzene	93.5		% Rec.	8260B	05/26/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 05/28/13 10:15 Printed: 05/28/13 10:15

Summary of Remarks For Samples Printed
05/28/13 at 10:15:48

TSR Signing Reports: 288
R1 - Rush: Sameday

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L637867-01 Account: CLECRESAZ Received: 05/25/13 09:00 Due Date: 05/28/13 00:00 RPT Date: 05/28/13 10:15

Sample: L637867-02 Account: CLECRESAZ Received: 05/25/13 09:00 Due Date: 05/28/13 00:00 RPT Date: 05/28/13 10:15

Sample: L637867-03 Account: CLECRESAZ Received: 05/25/13 09:00 Due Date: 05/28/13 00:00 RPT Date: 05/28/13 10:15

Sample: L637867-04 Account: CLECRESAZ Received: 05/25/13 09:00 Due Date: 05/28/13 00:00 RPT Date: 05/28/13 10:15

Sample: L637867-05 Account: CLECRESAZ Received: 05/25/13 09:00 Due Date: 05/28/13 00:00 RPT Date: 05/28/13 10:15

B083

Chain of Custody
Page 1 of 1

Company Name/Address

CLEAR CREEK AND ASSOCIATES
6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing: Same day Rush

Report to: Geno Mammini

E-mail to: gmammini@clearcreekassociates.com

Project Description: Romic

City/State Collected:

PHONE: ~~480-474-4049~~ 480-659-7131
FAX: 480-659-7131

Client Project No.: 212002

Lab Project #:

Collected by: Russell Granfors

Site/Facility ID#: Romic

P.O.#:

Collected by(signature): [signature]

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next Day~~ Same day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed

Email?___No X Yes
FAX?___No___Yes

Analysis/Container/Preservative: 8260

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260	Remarks/contaminant	Sample # (lab only)
South-Dup 1	Grab	GW	—	5/24/13	0600	2	X		L637867-01
South-131	Grab	GW	131	5/24/13	0730	2	X		-02
South-141	Grab	GW	141	5/24/13	0845	2	X		-03
South-151	Grab	GW	151	5/24/13	1005	2	X		-04
Trip Blank						1	X		-05

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx UPS__Other__		Condition (lab use only)
[signature]	5/24/13	1155	[signature]	5622 3975 6113		F ok
Relinquisher by:(Signature [signature]	Date: 5-24-13	Time: 1730	Received by: (Signature) FedEx	Temp: 3.4	Bottles Received: 9VP	
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 5/25/13	Time: 0400	pH Checked: NCF:

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Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Thursday May 30, 2013

Report Number: L638299
Samples Received: 05/30/13
Client Project: 212002

Description: Romic

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

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

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-01

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-DUP 2

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-01

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-DUP 2

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	0.0041	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	0.0031	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	0.0016	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	97.5		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	98.7		% Rec.	8260B	05/30/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-02

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-02

Site ID : ROMIC

Project # : 212002

Date Received : May 30, 2013
Description : Romic

Sample ID : MIDDLE-91

Collected By : Russell Granfors
Collection Date : 05/29/13 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	0.0030	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	0.0029	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	0.0017	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	96.9		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	97.3		% Rec.	8260B	05/30/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-03

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-101

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-03

Site ID : ROMIC

Project # : 212002

Date Received : May 30, 2013
Description : Romic

Sample ID : MIDDLE-101

Collected By : Russell Granfors
Collection Date : 05/29/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	0.0040	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	0.0039	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	0.0022	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	99.8		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	95.4		% Rec.	8260B	05/30/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-04

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-04

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	0.0064	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	0.0032	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	0.0018	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	95.0		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	99.6		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	89.1		% Rec.	8260B	05/30/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-05

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 15:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-05

Site ID : ROMIC

Project # : 212002

Date Received : May 30, 2013
Description : Romic

Sample ID : MIDDLE-121

Collected By : Russell Granfors
Collection Date : 05/29/13 15:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	0.0034	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	0.0034	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	0.0020	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	93.9		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	97.9		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	91.0		% Rec.	8260B	05/30/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-06

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIPBLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/30/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/30/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/30/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 30, 2013

ESC Sample # : L638299-06

Date Received : May 30, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIPBLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/29/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/30/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/30/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/30/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/30/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/30/13	1
Propene	BDL	0.0025	mg/l	8260B	05/30/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/30/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/30/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/30/13	1
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	05/30/13	1
Dibromofluoromethane	97.7		% Rec.	8260B	05/30/13	1
4-Bromofluorobenzene	96.5		% Rec.	8260B	05/30/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 05/30/13 17:50 Printed: 05/30/13 17:51

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L638299-01	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4
L638299-02	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4
L638299-03	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4
L638299-04	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4
L638299-05	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4
L638299-06	WG663914	SAMP	Acrolein	R2689060	J4J3
	WG663914	SAMP	Carbon disulfide	R2689060	J3
	WG663914	SAMP	Propene	R2689060	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
05/30/13 at 17:51:25

TSR Signing Reports: 288
R1 - Rush: Sameday

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L638299-01 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Sample: L638299-02 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Sample: L638299-03 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Sample: L638299-04 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Sample: L638299-05 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Sample: L638299-06 Account: CLECRESAZ Received: 05/30/13 09:30 Due Date: 05/30/13 00:00 RPT Date: 05/30/13 17:50

Company Name/Address

CLEAR CREEK AND ASSOCIATES
6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing: *Same day Rush*

Report to: Geno Mammini

E-mail to: gmammini@clearcreekassociates.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: Romic

City/State Collected:

PHONE: ~~480-474-4049~~ 480-659-7131
FAX: 480-659-7143

Client Project No.: 212002

Lab Project #:

Collected by: Russell Granfors

Site/Facility ID#: Romic

P.O.#:

Collected by(signature): Russell Granfors

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next Day~~ Same day 100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed

Email?___No X Yes
FAX?___No___Yes

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260							Remarks/contaminant	Sample # (lab only)
Middle-Dup 2	Grab	GW	—	5/29/13	0800	2	X							L638299	-01
Middle-91	Grab	GW	-91	5/29/13	1130	2	X								-02
Middle-101	Grab	GW	-101	5/29/13	1300	2	X								-03
Middle-111	Grab	GW	111	5/29/13	1410	2	X								-04
Middle-121	Grab	GW	121	5/29/13	1535	2	X								-05
Trip Blank						1	X								-06

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx UPS__Other__		Condition (lab use only)
Russell Granfors	5/29/13	1615	Emily Vanasch	5622397 5919		MS
Emily Vanasch	5/29/13	1745	FedEx	Temp: 3.2	Bottles Received: 11 VP	ok
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 5/30/13	Time: 0930	pH Checked: NCF:

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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Friday May 31, 2013

Report Number: L638481
Samples Received: 05/31/13
Client Project: 212002

Description: Romic

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

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

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-01

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-DUP 3

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 06:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-01

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-DUP 3

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 06:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	0.0086	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	0.0050	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	0.0022	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	96.7		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	96.6		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	05/31/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-02

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 07:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-02

Site ID : ROMIC

Project # : 212002

Date Received : May 31, 2013
Description : Romic

Sample ID : MIDDLE-131

Collected By : Russell Granfors
Collection Date : 05/30/13 07:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	0.0086	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	0.0046	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	0.0022	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	96.7		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	101.		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	94.5		% Rec.	8260B	05/31/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-03

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-03

Site ID : ROMIC

Project # : 212002

Date Received : May 31, 2013
Description : Romic

Sample ID : MIDDLE-141

Collected By : Russell Granfors
Collection Date : 05/30/13 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	0.0051	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	0.0028	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	0.0014	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	96.5		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	93.7		% Rec.	8260B	05/31/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-04

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 11:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-04

Site ID : ROMIC

Project # : 212002

Date Received : May 31, 2013
Description : Romic

Sample ID : MIDDLE-151

Collected By : Russell Granfors
Collection Date : 05/30/13 11:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	0.011	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	0.0036	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	0.0017	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	97.3		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	96.5		% Rec.	8260B	05/31/13	1

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

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-05

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-161

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-05

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : MIDDLE-161

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	0.0080	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	0.0022	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	0.0011	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	100.		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	94.9		% Rec.	8260B	05/31/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 05/31/13 15:37 Printed: 05/31/13 15:37

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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-06

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/31/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/31/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/31/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/31/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	05/31/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/31/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/31/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/31/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/31/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

May 31, 2013

ESC Sample # : L638481-06

Date Received : May 31, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/30/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/31/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/31/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/31/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	05/31/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/31/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/31/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/31/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/31/13	1
Propene	BDL	0.0025	mg/l	8260B	05/31/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/31/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/31/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/31/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/31/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/31/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/31/13	1
Surrogate Recovery						
Toluene-d8	98.2		% Rec.	8260B	05/31/13	1
Dibromofluoromethane	98.8		% Rec.	8260B	05/31/13	1
4-Bromofluorobenzene	98.5		% Rec.	8260B	05/31/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L638481-01	WG664134	SAMP	Propene	R2690803	J4
L638481-02	WG664134	SAMP	Propene	R2690803	J4
L638481-03	WG664134	SAMP	Propene	R2690803	J4
L638481-04	WG664134	SAMP	Propene	R2690803	J4
L638481-05	WG664134	SAMP	Propene	R2690803	J4
L638481-06	WG664134	SAMP	Propene	R2690803	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
05/31/13 at 15:37:53

TSR Signing Reports: 288
R1 - Rush: Sameday

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L638481-01 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Sample: L638481-02 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Sample: L638481-03 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Sample: L638481-04 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Sample: L638481-05 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Sample: L638481-06 Account: CLECRESAZ Received: 05/31/13 10:00 Due Date: 05/31/13 00:00 RPT Date: 05/31/13 15:37

Company Name/Address

CLEAR CREEK AND ASSOCIATES
6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing: Same Day Rush

Report to: Geno Mammini

E-mail to: gMammini@clearcreekassociates.com

Project Description: Romic

City/State Collected:

PHONE: ~~480-474-4049~~ 480-659-7131
FAX: 480-659-7143

Client Project No.: 212002

Lab Project #:

Collected by: Russell Granfors

Site/Facility ID#: Romic

P.O.#:

Collected by(signature): Russell Granfors

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next Day~~ Same 100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed

Email?___No X Yes
FAX?___No___Yes

Analysis/Container/Preservative: 8260

Chain of Custody
Page 1 of___

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859

F067

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260	Remarks/contaminant	Sample # (lab only)
Middle-Dup 3	Grab	GW	—	5/30/13	0600	2	X		L6384 81-01
Middle-131	Grab	GW	131	5/30/13	0755	2	X		02
Middle-141	Grab	GW	141	5/30/13	0930	2	X		03
Middle-151	Grab	GW	151	5/30/13	1110	2	X		04
Middle-161	Grab	GW	161	5/30/13	1300	2	X		05
Trip Blank						1	X		06

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx X UPS__Other__		Condition (lab use only)
Russell Granfors	5/30/13	1630	Emily Vanosky	5547 0243 7405		
Emily Vanosky	5/30/13	1730	FedEx	Temp: 3.1°C	Bottles Received: 11	
			Received for lab by: (Signature)	Date: 5-31-13	Time: 1000	pH Checked: NCF:

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Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Tuesday June 04, 2013

Report Number: L638907
Samples Received: 06/03/13
Client Project: 212002

Description: Romic

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-01

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-01

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-91

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.011	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	0.00048	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	105.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	99.4		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-02

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-101

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 10:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-02

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-101

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 10:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.020	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	0.00045	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	104.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	99.5		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-03

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-03

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.0088	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	0.00044	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	104.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-04

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-04

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-121

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.011	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	0.00054	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	103.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 06/03/13 16:07 Revised: 06/04/13 14:48

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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-05

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-05

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.013	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	BDL	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	105.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	99.8		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/03/13 16:07 Revised: 06/04/13 14:48

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-06

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : NORTH-141

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 15:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-06

Site ID : ROMIC

Project # : 212002

Date Received : June 03, 2013
Description : Romic

Sample ID : NORTH-141

Collected By : Russell Granfors
Collection Date : 05/31/13 15:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	0.013	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	BDL	0.00037	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	102.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	101.		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 06/03/13 16:07 Revised: 06/04/13 14:48

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-07

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/03/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/03/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638907-07

Date Received : June 03, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 05/31/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/03/13	1
Propene	BDL	0.0025	mg/l	8260B	06/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/03/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/03/13	1
Dibromofluoromethane	102.		% Rec.	8260B	06/03/13	1
4-Bromofluorobenzene	98.7		% Rec.	8260B	06/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 06/03/13 16:07 Revised: 06/04/13 14:48

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L638907-01	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, J
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-02	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, J
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-03	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, J

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-04	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, J
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-05	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, U
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-06	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1, U
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1
L638907-07	WG664328	SAMP	Acetone	R2692721	T1
	WG664328	SAMP	Acrolein	R2692721	T1
	WG664328	SAMP	Acrylonitrile	R2692721	T1
	WG664328	SAMP	Benzene	R2692721	T1
	WG664328	SAMP	Bromobenzene	R2692721	T1
	WG664328	SAMP	Bromodichloromethane	R2692721	T1
	WG664328	SAMP	Bromoform	R2692721	T1
	WG664328	SAMP	Bromomethane	R2692721	T1
	WG664328	SAMP	1,3-Butadiene	R2692721	T1
	WG664328	SAMP	n-Butylbenzene	R2692721	T1
	WG664328	SAMP	sec-Butylbenzene	R2692721	T1
	WG664328	SAMP	tert-Butylbenzene	R2692721	T1
	WG664328	SAMP	Carbon tetrachloride	R2692721	T1
	WG664328	SAMP	Carbon disulfide	R2692721	T1
	WG664328	SAMP	Chlorobenzene	R2692721	T1
	WG664328	SAMP	Chlorodibromomethane	R2692721	T1
	WG664328	SAMP	Chloroethane	R2692721	T1
	WG664328	SAMP	Chloroform	R2692721	T1
	WG664328	SAMP	Chloromethane	R2692721	T1
	WG664328	SAMP	Cyclohexane	R2692721	T1
	WG664328	SAMP	2-Chlorotoluene	R2692721	T1
	WG664328	SAMP	4-Chlorotoluene	R2692721	T1
	WG664328	SAMP	1,2-Dibromo-3-Chloropropane	R2692721	T1
	WG664328	SAMP	1,2-Dibromoethane	R2692721	T1
	WG664328	SAMP	Dibromomethane	R2692721	T1
	WG664328	SAMP	1,2-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,3-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	1,4-Dichlorobenzene	R2692721	T1
	WG664328	SAMP	Dichlorodifluoromethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,2-Dichloroethane	R2692721	T1
	WG664328	SAMP	1,1-Dichloroethene	R2692721	T1
	WG664328	SAMP	cis-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	trans-1,2-Dichloroethene	R2692721	T1
	WG664328	SAMP	1,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	1,1-Dichloropropene	R2692721	T1
	WG664328	SAMP	1,3-Dichloropropane	R2692721	T1
	WG664328	SAMP	cis-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	trans-1,3-Dichloropropene	R2692721	T1
	WG664328	SAMP	2,2-Dichloropropane	R2692721	T1
	WG664328	SAMP	Dicyclopentadiene	R2692721	T1
	WG664328	SAMP	Di-isopropyl ether	R2692721	T1
	WG664328	SAMP	Ethylbenzene	R2692721	T1
	WG664328	SAMP	4-Ethyltoluene	R2692721	T1
	WG664328	SAMP	Hexachloro-1,3-butadiene	R2692721	T1

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG664328	SAMP	n-Hexane	R2692721	T1
	WG664328	SAMP	Isopropylbenzene	R2692721	T1
	WG664328	SAMP	p-Isopropyltoluene	R2692721	T1
	WG664328	SAMP	2-Butanone (MEK)	R2692721	T1
	WG664328	SAMP	Methyl Cyclohexane	R2692721	T1
	WG664328	SAMP	Methylene Chloride	R2692721	T1
	WG664328	SAMP	4-Methyl-2-pentanone (MIBK)	R2692721	T1
	WG664328	SAMP	Methyl tert-butyl ether	R2692721	T1
	WG664328	SAMP	Naphthalene	R2692721	T1
	WG664328	SAMP	Propene	R2692721	T1
	WG664328	SAMP	n-Propylbenzene	R2692721	T1
	WG664328	SAMP	Styrene	R2692721	T1
	WG664328	SAMP	1,1,1,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2,2-Tetrachloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichlorotrifluoroethane	R2692721	T1
	WG664328	SAMP	Tetrachloroethene	R2692721	T1
	WG664328	SAMP	Toluene	R2692721	T1
	WG664328	SAMP	1,2,3-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,2,4-Trichlorobenzene	R2692721	T1
	WG664328	SAMP	1,1,1-Trichloroethane	R2692721	T1
	WG664328	SAMP	1,1,2-Trichloroethane	R2692721	T1
	WG664328	SAMP	Trichloroethene	R2692721	T1
	WG664328	SAMP	Trichlorofluoromethane	R2692721	T1
	WG664328	SAMP	1,2,3-Trichloropropane	R2692721	T1
	WG664328	SAMP	1,2,4-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,2,3-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	1,3,5-Trimethylbenzene	R2692721	T1
	WG664328	SAMP	Vinyl chloride	R2692721	T1
	WG664328	SAMP	Xylenes, Total	R2692721	T1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
T1	(ESC) - Additional method/sample information: Sample(s) received at greater than 4 degrees C.
U	BDL (EPA) - Below Detectable Limits: Indicates that the compound was analyzed but not detected.

Qualifier Report Information

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

Definitions

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

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

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

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

Company Name/Address
Clear Creek Associates
6155 E. Indian School Rd.
Scottsdale, AZ 85251

Alternate Billing
Same day Rush

Report to:

E-mail to:

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by: B191

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: Romic

City/State Collected:

PHONE: 480-659-7137 FAX: 480659-7143

Client Project No. 212002

Lab Project #

Collected by: Russell Granfor

Site/Facility ID# Romic

P.O.#

Collected by(signature): [signature]

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next~~ Same Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed

Email?___No_X__Yes
FAX?___No___Yes

CoCode (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260								Remarks/contaminant	Sample # (lab only)
North-91	Grab	GW	91	5/31/13	0955	2	X								L638907	-01
North-101	Grab	GW	101	5/31/13	1055	2	X									-02
North-111	Grab	GW	111	5/31/13	1200	2	X									-03
North-121	Grab	GW	121	5/31/13	1300	2	X									-04
North-131	Grab	GW	131	5/31/13	1425	2	X									-05
North-141	Grab	GW	141	5/31/13	1555	2	X									-06
Trip Blank						1	X									-07

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx ✓ UPS__Other__		Condition (lab use only)
[signature]	5/31/13	1625	[signature]	362239756032		
Relinquished by:(Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	CoC Seals Intact ___Y ___N ___n/a
[signature]	5/31/13	1730	FedEx	18.3°C	13 V	
Relinquished by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked: NCF: ✓
			[signature]	6/3/13	1000	

ESC

L·A·B S·C·I·E·N·C·E·S

NON-CONFORMANCE FORM

Login No. L638907

Date: 6/3/13

Evaluated by: JEREMY WATKINS

Client: CLECRESAZ

Non-Conformance (check applicable items)

☐ Parameter(s) past holding time
X Improper temperature
☐ Improper container type
☐ Improper preservation
☐ Container lid not intact

☐ Login Clarification Needed
☐ Chain of custody is incomplete
☐ Chain of Custody is missing (see below)
☐ Broken container(s) (See below)
☐ Broken container: sufficient sample volume remains for analysis requested (See below)

If no COC: Received by_____
Date:_____Time:_____
Temp:_____Cont. Rec_____ pH:_____
☐ Fedex ☐ UPS ☐SWA ☐ Other_____
Tracking #_____

☐ Insufficient packing material around container
☐ Insufficient packing material inside cooler
☐ Improper handling by carrier (FedEx / UPS / Courier
☐ Sample was frozen

Comments: RECEIVED SAMPLES OUT OF TEMP. RECEIVED AT 18. 3 DEGREES C. SATURDAY AIRBILL ATTACHED.

Login Instructions: **TSR Initials:** ___DR____

Client informed by call / email / fax / voice mail date: ____06/03/13_____ time: ____12:00_____

Run out of temp per client

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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Tuesday June 04, 2013

Report Number: L638988
Samples Received: 06/04/13
Client Project: 212002

Description: ROMIC

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638988-01

Date Received : June 04, 2013
Description : ROMIC

Site ID : ROMIC

Sample ID : NORTH-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/03/13 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/04/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/04/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/04/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/04/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/04/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/04/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/04/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/04/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/04/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/04/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/04/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/04/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638988-01

Date Received : June 04, 2013
Description : ROMIC

Site ID : ROMIC

Sample ID : NORTH-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/03/13 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/04/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/04/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
2-Butanone (MEK)	0.018	0.010	mg/l	8260B	06/04/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/04/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/04/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/04/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/04/13	1
Propene	0.012	0.0025	mg/l	8260B	06/04/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/04/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/04/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/04/13	1
Dibromofluoromethane	106.		% Rec.	8260B	06/04/13	1
4-Bromofluorobenzene	102.		% Rec.	8260B	06/04/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/04/13 15:47 Printed: 06/04/13 16:02

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638988-02

Date Received : June 04, 2013
Description : ROMIC

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/03/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/04/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/04/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/04/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/04/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/04/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/04/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/04/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/04/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/04/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/04/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/04/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/04/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/04/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/04/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/04/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 04, 2013

ESC Sample # : L638988-02

Date Received : June 04, 2013
Description : ROMIC

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/03/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/04/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/04/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/04/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/04/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/04/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/04/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/04/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/04/13	1
Propene	BDL	0.0025	mg/l	8260B	06/04/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/04/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/04/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/04/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/04/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/04/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/04/13	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/04/13	1
Dibromofluoromethane	107.		% Rec.	8260B	06/04/13	1
4-Bromofluorobenzene	99.3		% Rec.	8260B	06/04/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/04/13 15:47 Printed: 06/04/13 16:02

Company Name/Address
Clear Creek Associates
6155 E. Indian School Rd.
Scottsdale, AZ 85251

Alternate Billing
Same day Rush

Report to: Gene Mammino
E-mail to: gmammino@clearcreekassociates.com

Project Description: Romic
City/State Collected: Phoenix AZ

PHONE: 480-659-7131 FAX: 480-659-7143
Client Project No. 212002
Lab Project #

Collected by: Russell Grantors
Site/Facility ID# Romic
P.O.#

Collected by(signature):
Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X Same ~~Next~~ Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed
Email?___No_X__Yes
FAX?___No___Yes

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
H026

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260							Remarks/contaminant	Sample # (lab only)
North-151	Grab	GW	151	6/3/13	1000	2	X								L638488-01
Trip Blank						1	X								02

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

pH_____ Temp_____
Flow_____ Other_____

Remarks:

Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx X UPS__Other	Condition (lab use only)
Russell Grantors	6/3/13	1145	[illegible]	5547 0243 7438	GMS
Relinquished by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 / Bottles Received: 3cp	CoC Seals Intact ___Y ___N ___n/a
[illegible]	6/3/13	1215	Emily Lowery		
Relinquished by:(Signature)	Date:	Time:	Received for lab by:(Signature)	Date: 6-4-13 / Time: 0900	pH Checked: NCF:
Emily Lowery	6/3/15	1745	[illegible]		

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Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Wednesday June 05, 2013

Report Number: L639244
Samples Received: 06/05/13
Client Project: 212002

Description: Romie

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

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

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 05, 2013

ESC Sample # : L639244-01

Date Received : June 05, 2013
Description : Romie

Site ID : ROMIE

Sample ID : NORTH-161

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/04/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/05/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/05/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/05/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/05/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/05/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/05/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/05/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/05/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/05/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/05/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/05/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/05/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 05, 2013

ESC Sample # : L639244-01

Site ID : ROMIE

Project # : 212002

Date Received : June 05, 2013
Description : Romie

Sample ID : NORTH-161

Collected By : Russell Granfors
Collection Date : 06/04/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/05/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/05/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/05/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/05/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/05/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/05/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/05/13	1
Propene	0.0076	0.0025	mg/l	8260B	06/05/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/05/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/05/13	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	06/05/13	1
Dibromofluoromethane	104.		% Rec.	8260B	06/05/13	1
4-Bromofluorobenzene	102.		% Rec.	8260B	06/05/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 05, 2013

ESC Sample # : L639244-02

Date Received : June 05, 2013
Description : Romie

Site ID : ROMIE

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/04/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/05/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/05/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/05/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/05/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/05/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/05/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/05/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/05/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/05/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/05/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/05/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/05/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/05/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/05/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/05/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 05, 2013

ESC Sample # : L639244-02

Date Received : June 05, 2013
Description : Romie

Site ID : ROMIE

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/04/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/05/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/05/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/05/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/05/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/05/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/05/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/05/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/05/13	1
Propene	BDL	0.0025	mg/l	8260B	06/05/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/05/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/05/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/05/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/05/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/05/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/05/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/05/13	1
Dibromofluoromethane	103.		% Rec.	8260B	06/05/13	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/05/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/05/13 16:22 Printed: 06/05/13 16:30

Company Name/Address
Clear Creek Associates
6155 E. Indian School Rd.
Scottsdale, AZ 85251

Alternate Billing
Same Day Rush

Report to: Gene Mammini
E-mail to: gmammini@clearcreekassociates.com

Project Description: Romic
City/State Collected: Phoenix AZ

PHONE: 480-659-7131 FAX: 480-659-7143
Client Project No. 212002
Lab Project #

Collected by: Russell Cranford
Site/Facility ID# Romic
P.O.#

Collected by(signature): Russell Cranford
Packed on Ice N___ Y_X

Rush? (Lab MUST be Notified)
_X_ Same Day. 100%
_____Two Day.....50%
_____Three Day.....25%

Date Results Needed
Email?___No_X__Yes
FAX?___No__Yes

Analysis/Container/Preservative: 8260

Chain of Custody
Page___of___

Prepared by: D117

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260	Remarks/contaminant	Sample # (lab only)
North-161	Grab	GW	161	6/4/13	0830	2	X		L639244-01
Trip Blank						1	X		-02

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

pH_____ Temp_____
Flow_____ Other_____

Remarks:

Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via. FedEx__ UPS__Other__	Condition (lab use only)
Russell Cranford	6/4/13	1025	Emily Vamosky	554702438320	OK MS
Relinquished by:(Signature): Emily Vamosky	6/4/13	1745	Received by: (Signature) FedEx	Temp: 3.1 / Bottles Received: 3vp	CoC Seals Intact ___Y ___N ___n/a
Relinquished by:(Signature):	Date:	Time:	Received for lab by: (Signature)	Date: 6/5/13 / Time: 0900	pH Checked: NCF:

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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Thursday June 06, 2013

Report Number: L639590
Samples Received: 06/06/13
Client Project: 212002

Description: Romic

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

Entire Report Reviewed By: Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-01

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-DUP 4

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-01

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-DUP 4

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	0.016	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	103.		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	101.		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/06/13 17:14 Printed: 06/06/13 17:37

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-02

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-111

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 08:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-02

Site ID : ROMIC

Project # : 212002

Date Received : June 06, 2013
Description : Romic

Sample ID : WEST-111

Collected By : Russell Granfors
Collection Date : 06/05/13 08:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	0.022	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	98.1		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	103.		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-03

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-03

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-131

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	0.012	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	96.5		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	102.		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-04

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-04

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-151

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	0.0064	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	99.4		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	98.4		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	103.		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-05

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : WEST-171

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-05

Site ID : ROMIC

Project # : 212002

Date Received : June 06, 2013
Description : Romic

Sample ID : WEST-171

Collected By : Russell Granfors
Collection Date : 06/05/13 14:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	0.0048	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	96.0		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	104.		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/06/13 17:14 Printed: 06/06/13 17:37

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(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-06

Date Received : June 06, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/05/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/06/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/06/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/06/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/06/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/06/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/06/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/06/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/06/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/06/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1

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

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Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 06, 2013

ESC Sample # : L639590-06

Site ID : ROMIC

Project # : 212002

Date Received : June 06, 2013
Description : Romic

Sample ID : TRIP BLANK

Collected By : Russell Granfors
Collection Date : 06/05/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/06/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/06/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/06/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/06/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/06/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/06/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/06/13	1
Propene	BDL	0.0025	mg/l	8260B	06/06/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/06/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/06/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/06/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/06/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/06/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/06/13	1
Surrogate Recovery						
Toluene-d8	99.2		% Rec.	8260B	06/06/13	1
Dibromofluoromethane	96.7		% Rec.	8260B	06/06/13	1
4-Bromofluorobenzene	97.9		% Rec.	8260B	06/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 06/06/13 17:14 Printed: 06/06/13 17:38

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L639590-02	WG665002	SAMP	Propene	R2697620	J4
L639590-03	WG665002	SAMP	Propene	R2697620	J4
L639590-04	WG665002	SAMP	Propene	R2697620	J4
L639590-05	WG665002	SAMP	Propene	R2697620	J4
L639590-06	WG665002	SAMP	Propene	R2697620	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

A064

Chain of Custody
Page 1 of 1

Company Name/Address
Clear Creek Associates
6155 E. Indian School Rd.
Scottsdale AZ 85251

Alternate Billing
Same day rush

Report to: Gene Mammini
E-mail to: gmammini@clearcreekassociates.com

Project Description: Romic
City/State Collected: Phoenix AZ

PHONE: 480-659-7131 FAX: 480-659-7143
Client Project No. 212002
Lab Project #

Collected by: Russell Granfors
Site/Facility ID# Romic
P.O.#

Collected by(signature): Russell Granfors
Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
X ~~Next~~ Same Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed
Email?___No_X__Yes
FAX?___No___Yes

Analysis/Container/Preservative

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	8260								Remarks/contaminant	Sample # (lab only)
West-Dup 4	Grab	GW	—	6/5/13	0800	2	X									L639590-01
West-111	Grab	GW	111	6/5/13	0840	2	X									-02
West-131	Grab	GW	131	6/5/13	1020	2	X									-03
West-151	Grab	GW	151	6/5/13	1210	2	X									-04
West-171	Grab	GW	171	6/5/13	1410	2	X									-05
Trip Blank						1	X									-06

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__Other__	Condition (lab use only)
Russell Granfors	6/5/13	1545	Emily Vanosh	5547 0243 8238	OK
Relinquished by:(Signature): Emily Vanosh	Date: 6/5/13	Time: 1745	Received by: (Signature) FedEx	Temp: 3.4°C / Bottles Received: 11 vp	CoC Seals Intact ✓Y N n/a
Relinquished by:(Signature):	Date:	Time:	Received for lab by: (Signature)	Date: 6/6/13 / Time: 0930	pH Checked: NCF:

APPENDIX D.1

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS FOR INVESTIGATION DERIVED WASTE – DRILL CUTTINGS

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Mt. Juliet, TN 37122
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Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Monday June 17, 2013

Report Number: L640130
Samples Received: 06/08/13
Client Project: 212002

Description: Romic

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

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

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 17, 2013

ESC Sample # : L640130-01

Date Received : June 08, 2013
Description : Romic

Site ID : ROMIC

Sample ID : ROLL OFF BIN

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/07/13 06:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Paint Filter Test	See Footnote		%	9095B	06/13/13	1
Mercury	BDL	0.020	mg/kg	7471	06/12/13	1
Arsenic	2.4	1.0	mg/kg	6010B	06/14/13	1
Barium	94.	0.25	mg/kg	6010B	06/14/13	1
Cadmium	BDL	0.25	mg/kg	6010B	06/14/13	1
Chromium	12.	0.50	mg/kg	6010B	06/14/13	1
Lead	4.0	0.25	mg/kg	6010B	06/14/13	1
Selenium	BDL	1.0	mg/kg	6010B	06/14/13	1
Silver	BDL	0.50	mg/kg	6010B	06/14/13	1
Volatile Organics						
Acetone	BDL	1.6	mg/kg	8260B	06/13/13	33
Acrylonitrile	BDL	0.33	mg/kg	8260B	06/13/13	33
Benzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Bromobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Bromodichloromethane	BDL	0.033	mg/kg	8260B	06/13/13	33
Bromoform	BDL	0.033	mg/kg	8260B	06/13/13	33
Bromomethane	BDL	0.16	mg/kg	8260B	06/13/13	33
1,3-Butadiene	BDL	0.066	mg/kg	8260B	06/13/13	33
n-Butylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
sec-Butylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
tert-Butylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Carbon disulfide	BDL	0.033	mg/kg	8260B	06/13/13	33
Carbon tetrachloride	BDL	0.033	mg/kg	8260B	06/13/13	33
Chlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Chlorodibromomethane	BDL	0.033	mg/kg	8260B	06/13/13	33
Chloroethane	BDL	0.16	mg/kg	8260B	06/13/13	33
Chloroform	BDL	0.16	mg/kg	8260B	06/13/13	33
Chloromethane	BDL	0.082	mg/kg	8260B	06/13/13	33
2-Chlorotoluene	BDL	0.033	mg/kg	8260B	06/13/13	33
4-Chlorotoluene	BDL	0.033	mg/kg	8260B	06/13/13	33
Cyclohexane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2-Dibromo-3-Chloropropane	BDL	0.16	mg/kg	8260B	06/13/13	33
1,2-Dibromoethane	BDL	0.033	mg/kg	8260B	06/13/13	33
Dibromomethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2-Dichlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,3-Dichlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,4-Dichlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Dichlorodifluoromethane	BDL	0.16	mg/kg	8260B	06/13/13	33
1,1-Dichloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2-Dichloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1-Dichloroethene	BDL	0.033	mg/kg	8260B	06/13/13	33

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L640130-01 (PAINT) - does not contain free liquid

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 17, 2013

ESC Sample # : L640130-01

Date Received : June 08, 2013
Description : Romic

Site ID : ROMIC

Sample ID : ROLL OFF BIN

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/07/13 06:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	0.033	mg/kg	8260B	06/13/13	33
trans-1,2-Dichloroethene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2-Dichloropropane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1-Dichloropropene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,3-Dichloropropane	BDL	0.033	mg/kg	8260B	06/13/13	33
cis-1,3-Dichloropropene	BDL	0.033	mg/kg	8260B	06/13/13	33
trans-1,3-Dichloropropene	BDL	0.033	mg/kg	8260B	06/13/13	33
2,2-Dichloropropane	BDL	0.033	mg/kg	8260B	06/13/13	33
Dicyclopentadiene	BDL	0.033	mg/kg	8260B	06/13/13	33
Di-isopropyl ether	BDL	0.033	mg/kg	8260B	06/13/13	33
Ethylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
4-Ethyltoluene	BDL	0.033	mg/kg	8260B	06/13/13	33
Hexachloro-1,3-butadiene	BDL	0.033	mg/kg	8260B	06/13/13	33
n-Hexane	BDL	0.33	mg/kg	8260B	06/13/13	33
Isopropylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
p-Isopropyltoluene	BDL	0.033	mg/kg	8260B	06/13/13	33
2-Butanone (MEK)	BDL	0.33	mg/kg	8260B	06/13/13	33
Methylene Chloride	BDL	0.16	mg/kg	8260B	06/13/13	33
4-Methyl-2-pentanone (MIBK)	BDL	0.33	mg/kg	8260B	06/13/13	33
Methyl tert-butyl ether	BDL	0.033	mg/kg	8260B	06/13/13	33
Methyl Cyclohexane	BDL	0.033	mg/kg	8260B	06/13/13	33
Naphthalene	BDL	0.16	mg/kg	8260B	06/13/13	33
Propene	BDL	0.082	mg/kg	8260B	06/13/13	33
n-Propylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Styrene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1,1,2-Tetrachloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1,2,2-Tetrachloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1,2-Trichlorotrifluoroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
Tetrachloroethene	BDL	0.033	mg/kg	8260B	06/13/13	33
Toluene	BDL	0.16	mg/kg	8260B	06/13/13	33
1,2,3-Trichlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2,4-Trichlorobenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1,1-Trichloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
1,1,2-Trichloroethane	BDL	0.033	mg/kg	8260B	06/13/13	33
Trichloroethene	BDL	0.033	mg/kg	8260B	06/13/13	33
Trichlorofluoromethane	BDL	0.16	mg/kg	8260B	06/13/13	33
1,2,3-Trichloropropane	BDL	0.082	mg/kg	8260B	06/13/13	33
1,2,4-Trimethylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,2,3-Trimethylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
1,3,5-Trimethylbenzene	BDL	0.033	mg/kg	8260B	06/13/13	33
Vinyl chloride	BDL	0.033	mg/kg	8260B	06/13/13	33
Xylenes, Total	BDL	0.099	mg/kg	8260B	06/13/13	33
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	06/13/13	33

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L640130-01 (PAINT) - does not contain free liquid

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 17, 2013

ESC Sample # : L640130-01

Date Received : June 08, 2013
Description : Romic

Site ID : ROMIC

Sample ID : ROLL OFF BIN

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/07/13 06:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	91.3		% Rec.	8260B	06/13/13	33
4-Bromofluorobenzene	104.		% Rec.	8260B	06/13/13	33
Base/Neutral Extractables						
Acenaphthene	BDL	0.033	mg/kg	8270C	06/14/13	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/14/13	1
Anthracene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzidine	BDL	0.33	mg/kg	8270C	06/14/13	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/14/13	1
Bis(2-chlorethoxy)methane	BDL	0.33	mg/kg	8270C	06/14/13	1
Bis(2-chloroethyl)ether	BDL	0.33	mg/kg	8270C	06/14/13	1
Bis(2-chloroisopropyl)ether	BDL	0.33	mg/kg	8270C	06/14/13	1
4-Bromophenyl-phenylether	BDL	0.33	mg/kg	8270C	06/14/13	1
2-Chloronaphthalene	BDL	0.033	mg/kg	8270C	06/14/13	1
4-Chlorophenyl-phenylether	BDL	0.33	mg/kg	8270C	06/14/13	1
Chrysene	BDL	0.033	mg/kg	8270C	06/14/13	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/14/13	1
3,3-Dichlorobenzidine	BDL	0.33	mg/kg	8270C	06/14/13	1
2,4-Dinitrotoluene	BDL	0.33	mg/kg	8270C	06/14/13	1
2,6-Dinitrotoluene	BDL	0.33	mg/kg	8270C	06/14/13	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/14/13	1
Fluorene	BDL	0.033	mg/kg	8270C	06/14/13	1
Hexachlorobenzene	BDL	0.33	mg/kg	8270C	06/14/13	1
Hexachloro-1,3-butadiene	BDL	0.33	mg/kg	8270C	06/14/13	1
Hexachlorocyclopentadiene	BDL	0.33	mg/kg	8270C	06/14/13	1
Hexachloroethane	BDL	0.33	mg/kg	8270C	06/14/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/14/13	1
Isophorone	BDL	0.33	mg/kg	8270C	06/14/13	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/14/13	1
Nitrobenzene	BDL	0.33	mg/kg	8270C	06/14/13	1
n-Nitrosodimethylamine	BDL	0.33	mg/kg	8270C	06/14/13	1
n-Nitrosodiphenylamine	BDL	0.33	mg/kg	8270C	06/14/13	1
n-Nitrosodi-n-propylamine	BDL	0.33	mg/kg	8270C	06/14/13	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/14/13	1
Benzylbutyl phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1
Di-n-butyl phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1
Diethyl phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1
Dimethyl phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1
Di-n-octyl phthalate	BDL	0.33	mg/kg	8270C	06/14/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L640130-01 (PAINT) - does not contain free liquid

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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 17, 2013

ESC Sample # : L640130-01

Date Received : June 08, 2013
Description : Romic

Site ID : ROMIC

Sample ID : ROLL OFF BIN

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/07/13 06:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.033	mg/kg	8270C	06/14/13	1
1,2,4-Trichlorobenzene	BDL	0.33	mg/kg	8270C	06/14/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2-Chlorophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2,4-Dichlorophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2,4-Dimethylphenol	BDL	0.33	mg/kg	8270C	06/14/13	1
4,6-Dinitro-2-methylphenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2,4-Dinitrophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2-Nitrophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
4-Nitrophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
Pentachlorophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
Phenol	BDL	0.33	mg/kg	8270C	06/14/13	1
2,4,6-Trichlorophenol	BDL	0.33	mg/kg	8270C	06/14/13	1
Surrogate Recovery						
2-Fluorophenol	75.9		% Rec.	8270C	06/14/13	1
Phenol-d5	72.9		% Rec.	8270C	06/14/13	1
Nitrobenzene-d5	64.1		% Rec.	8270C	06/14/13	1
2-Fluorobiphenyl	77.7		% Rec.	8270C	06/14/13	1
2,4,6-Tribromophenol	80.1		% Rec.	8270C	06/14/13	1
p-Terphenyl-d14	69.3		% Rec.	8270C	06/14/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 06/17/13 08:50 Printed: 06/17/13 08:50
L640130-01 (PAINT) - does not contain free liquid

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L640130-01	WG665815	SAMP	Bis(2-chloroethyl)ether	R2707960	J3
	WG665815	SAMP	Hexachloro-1,3-butadiene	R2707960	J3
	WG665815	SAMP	Hexachloroethane	R2707960	J3
	WG665815	SAMP	n-Nitrosodimethylamine	R2707960	J3
	WG665815	SAMP	n-Nitrosodi-n-propylamine	R2707960	J3
	WG665815	SAMP	2-Chlorophenol	R2707960	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
06/17/13 at 08:50:39

TSR Signing Reports: 288
R5 - Desired TAT

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L640130-01 Account: CLECRESAZ Received: 06/08/13 09:30 Due Date: 06/14/13 00:00 RPT Date: 06/17/13 08:50

Company Name/Address

CLEAR CREEK AND ASSOCIATES

6155 E. Indian School RD.
SCOTTSDALE, AZ 85251

Alternate Billing

Report to: Gene Mammini

E-mail to: gmammini@clearcreekassociates.com

Project Description: Romic

City/State Collected: Phoenix AZ

PHONE: ~~480-471-4049~~ 480-654-7131

FAX: 480-654-7143

Client Project No. 212002

Lab Project #

Collected by: Russell Granfors

Site/Facility ID# Romic

P.O.#

Collected by(signature): Russell Granfors

Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
_____Next Day.....100%
_____Two Day.....50%
_____Three Day.....25%

Date Results Needed

Email?___No_X__Yes
FAX?____No___Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
B090

CoCode (lab use only)
CLECRESAZ
Template/Prelogin

Shipped Via: Phoenix Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	VOC 8260/ 40mL amber vial/MeOH	SVOC 8270, paint Filter/ 4oz jar/ No Pres	RCRA 8 metals, Hg 7471A/ 4oz jar/ No Pres						Remarks/contaminant	Sample # (lab only)
Roll off bin	Comp	SS	—	6/7/13	0615	3	X	X	X							L640130.01

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

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx X UPS__Other__		Condition (lab use only)
Russell Granfors	6/7/13	1370	Emily Vanosky	5435 5513 7235		
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 3.30	Bottles Received: 5	
Emily Vanosky	6/7/13	1730	FedEx			
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 6-8-13	Time: 0930	pH Checked: NCF:

APPENDIX D.2

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS FOR INVESTIGATION DERIVED WASTE – DEVELOPMENT/PURGE WATER

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

Report Summary

Thursday June 20, 2013

Report Number: L641489
Samples Received: 06/14/13
Client Project: 212002

Description: Romic

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-01

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : DEVELOPMENT WATER

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	06/15/13	1
Arsenic	0.036	0.020	mg/l	6010B	06/17/13	1
Barium	0.36	0.0050	mg/l	6010B	06/17/13	1
Cadmium	BDL	0.0050	mg/l	6010B	06/17/13	1
Chromium	0.014	0.010	mg/l	6010B	06/17/13	1
Lead	0.021	0.0050	mg/l	6010B	06/17/13	1
Selenium	BDL	0.020	mg/l	6010B	06/17/13	1
Silver	BDL	0.010	mg/l	6010B	06/17/13	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/15/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/15/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/15/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/15/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/15/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/15/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/15/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/15/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/15/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/15/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1

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

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(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-01

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : DEVELOPMENT WATER

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/15/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/15/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/15/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/15/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/15/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/15/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/15/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/15/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/15/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/17/13	1
Propene	BDL	0.0025	mg/l	8260B	06/15/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Tetrachloroethene	0.0032	0.0010	mg/l	8260B	06/15/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Trichloroethene	0.0021	0.0010	mg/l	8260B	06/15/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/15/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/15/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/15/13	1
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	06/15/13	1
Dibromofluoromethane	90.4		% Rec.	8260B	06/15/13	1

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

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-01

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : DEVELOPMENT WATER

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	103.		% Rec.	8260B	06/15/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Acenaphthylene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Anthracene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzidine	BDL	0.010	mg/l	8270 C	06/19/13	1
Benzo(a)anthracene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270 C	06/19/13	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270 C	06/19/13	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270 C	06/19/13	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270 C	06/19/13	1
2-Chloronaphthalene	BDL	0.0010	mg/l	8270 C	06/19/13	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270 C	06/19/13	1
Chrysene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270 C	06/19/13	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270 C	06/19/13	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270 C	06/19/13	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270 C	06/19/13	1
Fluoranthene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Fluorene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Hexachlorobenzene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270 C	06/19/13	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270 C	06/19/13	1
Hexachloroethane	BDL	0.010	mg/l	8270 C	06/19/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Isophorone	BDL	0.010	mg/l	8270 C	06/19/13	1
Naphthalene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Nitrobenzene	BDL	0.010	mg/l	8270 C	06/19/13	1
n-Nitrosodimethylamine	BDL	0.010	mg/l	8270 C	06/19/13	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270 C	06/19/13	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270 C	06/19/13	1
Phenanthrene	BDL	0.0010	mg/l	8270 C	06/19/13	1
Benzylbutyl phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Di-n-butyl phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Diethyl phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Dimethyl phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Di-n-octyl phthalate	BDL	0.0030	mg/l	8270 C	06/19/13	1
Pyrene	BDL	0.0010	mg/l	8270 C	06/19/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-01

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : DEVELOPMENT WATER

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270 C	06/19/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2-Chlorophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270 C	06/19/13	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2-Nitrophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
4-Nitrophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
Pentachlorophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
Phenol	BDL	0.010	mg/l	8270 C	06/19/13	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270 C	06/19/13	1
Surrogate Recovery						
2-Fluorophenol	37.0		% Rec.	8270 C	06/19/13	1
Phenol-d5	27.5		% Rec.	8270 C	06/19/13	1
Nitrobenzene-d5	71.8		% Rec.	8270 C	06/19/13	1
2-Fluorobiphenyl	103.		% Rec.	8270 C	06/19/13	1
2,4,6-Tribromophenol	58.2		% Rec.	8270 C	06/19/13	1
p-Terphenyl-d14	95.6		% Rec.	8270 C	06/19/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
.
Reported: 06/20/13 17:51 Printed: 06/20/13 17:51

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-02

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/15/13	1
Acrolein	BDL	0.050	mg/l	8260B	06/15/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/15/13	1
Benzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromoform	BDL	0.0010	mg/l	8260B	06/15/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,3-Butadiene	BDL	0.0020	mg/l	8260B	06/15/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/15/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	06/15/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/15/13	1
Chloroform	BDL	0.0050	mg/l	8260B	06/15/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/15/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	06/15/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/15/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/15/13	1
Dicyclopentadiene	BDL	0.0010	mg/l	8260B	06/15/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/15/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1

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

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Geno Mammini
Clear Creek Associates, PLC
6155 E. Indian School, Ste. 200
Scottsdale, AZ 85251

June 20, 2013

ESC Sample # : L641489-02

Date Received : June 14, 2013
Description : Romic

Site ID : ROMIC

Sample ID : TRIP BLANK

Project # : 212002

Collected By : Russell Granfors
Collection Date : 06/13/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Ethyltoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/15/13	1
n-Hexane	BDL	0.010	mg/l	8260B	06/15/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/15/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/15/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	06/15/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/15/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/15/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/15/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/15/13	1
Propene	BDL	0.0025	mg/l	8260B	06/15/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Styrene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
Toluene	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/15/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/15/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/15/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/15/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/15/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/15/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/15/13	1
Surrogate Recovery						
Toluene-d8	98.7		% Rec.	8260B	06/15/13	1
Dibromofluoromethane	92.7		% Rec.	8260B	06/15/13	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/15/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L641489-01	WG666638	SAMP	Acrolein	R2709440	J4
	WG666638	SAMP	Propene	R2709440	J4
	WG666638	SAMP	1,2,4-Trichlorobenzene	R2709440	J4
L641489-02	WG666638	SAMP	Acrolein	R2709440	J4
	WG666638	SAMP	Propene	R2709440	J4
	WG666638	SAMP	1,2,4-Trichlorobenzene	R2709440	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
06/20/13 at 17:51:42

TSR Signing Reports: 288
R5 - Desired TAT

CLECRESAZ-212001DIOX is V8260 + 1,4-Dioxane. Make a comment in Seedpak this is needed

Sample: L641489-01 Account: CLECRESAZ Received: 06/14/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/20/13 17:51

Sample: L641489-02 Account: CLECRESAZ Received: 06/14/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/20/13 17:51

Company Name/Address:
Clear Creek Associates
6155 E. Indian School Rd.
Scottsdale, AZ 85251

Alternate billing information:

Analysis/Container/Pres

B210

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

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

Report to: Geno Mammini

Email to: gMammini@clearcreekassociates.com

Project Description: Romic

City/Sate Collected: Phoenix, AZ

Phone: 480-659-7131
FAX: 480-659-7143

Client Project #: 212002

ESC Key:

Collected by: Russell Granfors

Site/Facility ID#: Romic

P.O.#:

Collected by (signature): Russell Granfors

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day. 200%
___ Next Day. 100%
___ Two Day. 50%
___ Three Day. 25%

Date Results Needed: Standard

Email? __No X Yes
FAX? __No __Yes

CoCode CLECRE AZ (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260	SVOCs 8270	RCRA Metals					Remarks/Contaminant	Sample # (lab only)
Development Water	Grab	GW	–	6/13/13	0830	5	X	X	X						L641489-01
Trip Blank						1 ~~2~~	X								-02

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

pH _____ Temp _____

Remarks:

55470243 8009 Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
Russell Granfors	6/13/13	0910	[signature]		OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 / Bottles Received: 6	CoC Seals Intact ___ Y ___ N ___ NA
[signature]	6-13-13	1615			
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-14-13 / Time: 0930	pH Checked: / NCF:
			[signature]		

APPENDIX E

DATA QUALITY REVIEW

Data generated from the sampling activities were reviewed as soon as practicable following collection and uploaded into an electronic format for tracking and evaluation. The analytical results underwent quality assurance/quality control review and data quality indicators assessed as described below. The concentrations of compounds with positive detections of were compared to EPA's MCLs and values in excess of the screening criteria were flagged.

Precision: Precision measures the reproducibility of replicate measurements. Precision is inversely related to the variability of the results (highly variable results have low precision). Duplicate measurements were evaluated using the relative percent difference (RPD) of duplicate measurements. The laboratory standards for RPD were used for evaluating laboratory duplicates (such as matrix spike duplicates). Clear Creek collected four blind duplicate samples (Dup-1 through Dup-4) during the RFI, to evaluate the RPD between the samples. Due to the low concentrations observed, an RPD of ±50% was used for field duplicates. RPD results for detected analytes are presented on the table below and indicate that the samples were within the RPD of ±50%.

Analyte Detected	South 140' Sample results (µg/L)	South 140' Duplicate results (µg/L)	Calculated RPD	Center 90' Sample results (µg/L)	Center 90' Duplicate results (µg/L)	Calculated RPD
PCE	3.9	4.0	2.53	2.9	3.1	6.67
TCE	1.5	1.6	6.45	1.7	1.6	6.06
Propene	7.7	8.2	6.29	3.0	4.1	0.00

NOTES: RPD = {(Absolute value) Sample Result - Duplicate Result} / (Average of Sample and Duplicate Results) X 100

Analyte Detected	Center 130' Sample results (µg/L)	Center 130' Duplicate results (µg/L)	Calculated RPD	West 130' Sample results (µg/L)	West 130' Duplicate results (µg/L)	Calculated RPD
PCE	4.6	5	8.33	<1.0	<1.0	0.00
TCE	2.2	2.2	0.00	<1.0	<1.0	0.00
Propene	8.6	8.6	0.00	12	16	28.57

NOTES: RPD = {(Absolute value) Sample Result - Duplicate Result} / (Average of Sample and Duplicate Results) X 100

Accuracy: Accuracy is the agreement between a measured concentration and a known concentration. Aqueous laboratory control sample and matrix spike samples were used to

evaluate the accuracy of the analytical results generated from this project. ESC's laboratory acceptance criteria were used for evaluating accuracy.

The associated batch QC for carbon disulfide, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone (MIBK) in lab report L637403 were flagged as outside the established quality control range for precision and the associated batch QC for propene in lab report L637403 was flagged as outside the established quality control range for accuracy. However, the samples were Non Detect for the flagged compounds and the results were not qualified and reported per Arizona Department of Environmental Quality (ADEQ) policies 0154.00 and 0.154.000.

The associated batch QC for sample L637566-01 was flagged as outside the established quality control range for precision. The sample matrix interfered with the ability to make accurate determination; spike value is low in sample L637566-01.

The associated batch QC for carbon disulfide, and acrolein in lab report L638299 were flagged as outside the established quality control range for precision and the associated batch QC for acrolein and propene in lab report L638299 were flagged as outside the established quality control range for accuracy. However, the results were not qualified and reported per Arizona Department of Environmental Quality (ADEQ) policies 0154.00 and 0.154.000.

The associated batch QC for propene in lab reports L638481 and L639590 were flagged as outside the established quality control range for accuracy. However, the results were not qualified and reported per Arizona Department of Environmental Quality (ADEQ) policies 0154.00 and 0.154.000.

Lab report L638907 was flagged, as the samples were received by the laboratory at a temperature greater than 4° Celsius. The samples were schedule to arrive to the lab on June 1, 2013, however, due to storms, the flights were delayed and the samples arrived on June 3, 2013. Samples L638907-01 through L638907-04 were flagged as PCE concentrations are estimated values below the lowest calibration point. Samples L638907-05 and L638907-06 were flagged indicating PCE was analyzed but not detected.

The associated batch QC for Bis(2-chloroethyl)ether, Hexachloro-1,3-butadiene, Hexachloroethane, 2-Chlorophenol, n-Nitrosodimethylamine, n-Nitrosodi-n-propylamine in lab report L640130 were flagged as outside the established quality control range for precision. However, the samples were Non Detect for the flagged compounds and the results were not qualified and reported per Arizona Department of Environmental Quality (ADEQ) policies 0154.00 and 0.154.000.

The associated batch QC for acrolein, propene, 1,2,4-Trichlorobenzene in lab report L641489 were flagged as outside the established quality control range for accuracy. However, the samples were Non Detect for the flagged compounds and the results were not qualified and

reported per Arizona Department of Environmental Quality (ADEQ) policies 0154.00 and 0.154.000.

Chain-of-custody forms were reviewed and no sample receipt anomalies were reported that required data qualifier flags.

No compounds were detected in the Trip Blank samples that were analyzed.

Samples were extracted and analyzed within the recommended holding time of 14 days.

Representativeness: Representativeness was achieved through the use of the standard field, sampling and analytical procedures as set forth in the SAP. Clear Creek followed the procedures set forth in the SAP.

Completeness: Completeness is expressed as the percent of valid sample results obtained versus the number of possible results. Valid results were those not rejected by the laboratory data validation. The requirement for completeness was 95% of the samples collected. Of the samples collected, 100% of the results were accepted by the laboratory data validation.

Comparability: Comparability is the degree that one data set can be compared with another data set. Comparability between the data collected by Clear Creek during this sampling effort and the previous sampling efforts was achieved through the use of the similar field sampling protocols, laboratory analytical methods, and the coordinated sampling schedule. Comparability between this sampling effort and future sampling efforts will be achieved through the use of the standard field, sampling and analytical procedures as set forth in the SAP.

APPENDIX F

EMAIL CORRESPONDENCE

Geno Mammini

From: Geno Mammini
Sent: Friday, May 24, 2013 7:52 AM
To: 'Moody, John'; ''Glenn Stark' (Glenn.Stark@gric.nsn.us)'
Cc: Tom Suriano; calger@irisenv.com
Subject: RE: Romic RFI East Boring update
Attachments: RE110 Proposed Well Design [Compatibility Mode].pdf

John/Glenn,

Attached is our proposed well design for the east boring. The lithology from this borehole showed a distinct change from sandy gravels to clayey silt at 130 feet bgs. Based on the concentrations and the lithology, we are proposing to construct a well to a depth of 130 feet bgs with a screened interval from 100 to 130 feet bgs. The bottom of the borehole from 130-140 feet bgs would be backfilled with bentonite and the filter pack would extend from 95-130 feet bgs. A bentonite seal would be installed from 90 to 95 feet followed by cement grout to grade. The construction of this well will begin on Tuesday May 28th. Please contact us if you have any questions or concerns.

Best regards,

Geno Mammini, R.G.

Clear Creek Associates, PLC
6155 East Indian School Road, Suite 200
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From: Geno Mammini
Sent: Thursday, May 23, 2013 5:44 PM
To: 'Moody, John'; ''Glenn Stark' (Glenn.Stark@gric.nsn.us)'
Cc: Tom Suriano; calger@irisenv.com
Subject: Romic RFI East Boring update

John/Glenn,

Based on the results of the Hydropunch samples at the east boring, this boring will be completed as a monitor well. The PCE/TCE GW results for the east boring are summarized below:

90': PCE – 12 µg/L, TCE - 11 µg/L
100': PCE – 7.4 µg/L, TCE - 6.8 µg/L
110': PCE – 8.9 µg/L, TCE – 9.1 µg/L
120': PCE – 6.3 µg/L, TCE – 6.2 µg/L
130': PCE – 4.2 µg/L, TCE – 4.2 µg/L
140': PCE – 1.9 µg/L, TCE – 2.0 µg/L

We are currently putting together a well design and will forward you the design tomorrow. Please feel free to contact us if you have any questions or concerns.

Best regards,

Geno Mammini, R.G.

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Geno Mammini

From: Geno Mammini
Sent: Friday, May 31, 2013 3:51 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: RE: RFI center boring update

John/Glenn,

The remaining results from the center boring are summarized below:

130': PCE – 4.6 µg/L, TCE – 2.2 µg/L
130' (Duplicate): PCE – 5.0 µg/L, TCE – 2.2 µg/L
140': PCE – 2.8 µg/L, TCE – 1.4 µg/L
150': PCE – 3.6 µg/L, TCE – 1.7 µg/L
160': PCE – 2.2 µg/L, TCE – 1.1 µg/L

Based on these results and in an effort to keep the project moving along, we are proposing to abandon the southern boring on Monday. Once we receive the results from the north boring, we can determine whether the center or north boring will be completed as a monitor well. The north boring has been drilled to 140 feet bgs and will be completed to the target depth of 150 feet bgs on Monday morning. Please let us know if you have any questions or concerns.

Thanks,

Geno

From: Geno Mammini
Sent: Thursday, May 30, 2013 4:06 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: RFI center boring update

John / Glenn: we have received the preliminary results from the hydropunch samples collected from 90 to 120 feet from the center boring of the transect on the west side of I-10. The lithology of this boring is generally similar to that seen in the southern boring. Hydropunch samples were collected today from 130 feet bgs to 160 feet bgs and we anticipate having those results tomorrow afternoon. The PCE and TCE results are summarized below:

90': PCE – 2.9 µg/L, TCE – 1.7 µg/L
100': PCE – 3.9 µg/L, TCE – 2.2 µg/L
110': PCE – 3.2 µg/L, TCE – 1.8 µg/L
120': PCE – 3.4 µg/L, TCE – 2.0 µg/L

Best regards,

Geno Mammini, R.G.

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Geno Mammini

From: Geno Mammini
Sent: Tuesday, June 04, 2013 3:40 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: RE: RFI center boring update
Attachments: WHP WQ Data.pdf; Analytical Summary Table.pdf

John/Glenn,

Attached are a table and figure which include the analytical results for the borings drilled along the Wild Horse Pass transect. Based on these results, we are proposing to complete the middle boring as a monitor well. If you are in agreement, we will provide a proposed well construction diagram for this location. The north boring would be abandoned in the same manor as the south boring was abandoned. Currently, the drill crew is at the west boring and we anticipate they will be drilling at this location through tomorrow. Completion of the middle and north borings would likely begin on Thursday. Please feel free to contact me with any questions or concerns.

Best regards,

Geno Mammini, R.G.

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From: Geno Mammini
Sent: Friday, May 31, 2013 3:51 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: RE: RFI center boring update

John/Glenn,

The remaining results from the center boring are summarized below:

130': PCE – 4.6 µg/L, TCE – 2.2 µg/L
130' (Duplicate): PCE – 5.0 µg/L, TCE – 2.2 µg/L
140': PCE – 2.8 µg/L, TCE – 1.4 µg/L
150': PCE – 3.6 µg/L, TCE – 1.7 µg/L
160': PCE – 2.2 µg/L, TCE – 1.1 µg/L

Based on these results and in an effort to keep the project moving along, we are proposing to abandon the southern boring on Monday. Once we receive the results from the north boring, we can determine whether the center or north boring will be completed as a monitor well. The north boring has been drilled to 140 feet bgs and will be completed to the target depth of 150 feet bgs on Monday morning. Please let us know if you have any questions or concerns.

Thanks,

Geno

From: Geno Mammini
Sent: Thursday, May 30, 2013 4:06 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: RFI center boring update

John / Glenn: we have received the preliminary results from the hydropunch samples collected from 90 to 120 feet from the center boring of the transect on the west side of I-10. The lithology of this boring is generally similar to that seen in the southern boring. Hydropunch samples were collected today from 130 feet bgs to 160 feet bgs and we anticipate having those results tomorrow afternoon. The PCE and TCE results are summarized below:

90': PCE – 2.9 µg/L, TCE – 1.7 µg/L
100': PCE – 3.9 µg/L, TCE – 2.2 µg/L
110': PCE – 3.2 µg/L, TCE – 1.8 µg/L
120': PCE – 3.4 µg/L, TCE – 2.0 µg/L

Best regards,

Geno Mammini, R.G.

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Geno Mammini

From: Geno Mammini
Sent: Thursday, June 06, 2013 3:59 PM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: Tom Suriano; calger@irisenv.com
Subject: Romic RFI west boring update

John/Glenn,

The analytical results from the west boring are summarized below:

110': PCE – <1.0 µg/L, TCE – <1.0 µg/L
130': PCE – <1.0 µg/L, TCE – <1.0 µg/L
130' (Duplicate): <1.0 µg/L, TCE – <1.0 µg/L
150': PCE – <1.0 µg/L, TCE – <1.0 µg/L
170': PCE – <1.0 µg/L, TCE – <1.0 µg/L

Based on these results and this afternoon's phone conversation, this boring will be abandoned during tomorrow's field activities. Please let us know if you have any questions or concerns.

Best regards,

Geno Mammini, R.G.

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Geno Mammini

From: Geno Mammini
Sent: Tuesday, July 02, 2013 9:08 AM
To: Moody, John (Moody.John@epa.gov); 'Glenn Stark' (Glenn.Stark@gric.nsn.us)
Cc: calger@irisenv.com; Tom Suriano
Subject: Proposed Sampling Depths for the 2013 Romic Monitoring Event
Attachments: Proposed Depth Profile Sampling.pdf

John/Glenn,

Attached are our proposed sampling depths for the 2013 Romic groundwater monitoring event. The proposed depths are based on last year's profile, however, we also reviewed the 2007 profile when determining these depths. The proposed depths for the new wells (RE110/RE111) are based on the recent Hydropunch sampling results. Please review and let us know if you have any questions or concerns regarding the sampling intervals. If these sampling depths are acceptable, we will prepare for the deployment and sampling of the PDBs.

Best regards,

Geno Mammini, R.G.

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APPENDIX G

WELL INSTALLATION AND DEVELOPMENT FIELD FORMS

CLEAR CREEK ASSOCIATES

PIPE TALLY

Project Name.: Romic	**Project No.:** 212002
Well No.: East, RE110	**Date:** 5/28/13
Location:	**Pipe Talley for:** Well casing
Total Depth: 132	**Geologist:** RC

Type of Connections: ☐ Welded ☐ T+C ☒ Flush Thread ☐ Other

Pipe	✓	Length (ft)	Length Σ (ft)	Pipe Type	Pipe	✓	Length (ft)	Length Σ (ft)	Pipe Type
1	✓	10	10	slotted PVC					
2	✓	10	20						
3	✓	10	30						
4	✓	10	40	blank PVC					
5	✓	10	50						
6	✓	10	60						
7	✓	10	70						
8	✓	10	80						
9	✓	10	90						
10	✓	10	100						
11	✓	10	110						
12	✓	2	112	PVC to LCS connector					
13	✓	20	132	LCS					

SUMMARY OF TALLY

Total length of casing/screen tallied (ft.): 132

Length of casing cut off after landing (ft.):

Bottom of Casing (feet below land surface): 132

Screened Interval(s) (ft.bls): 30

Total feet of blank casing in hole (ft.): 102

Notes: 6" PVC riser put on top so a well cap will fit tight.

ESTIMATED ANNULAR MATERIAL RECORD

Date: 5/28/13 Project No.: 2120052 Geologist: RG
Well No.: East RE110 Project Name: Romic

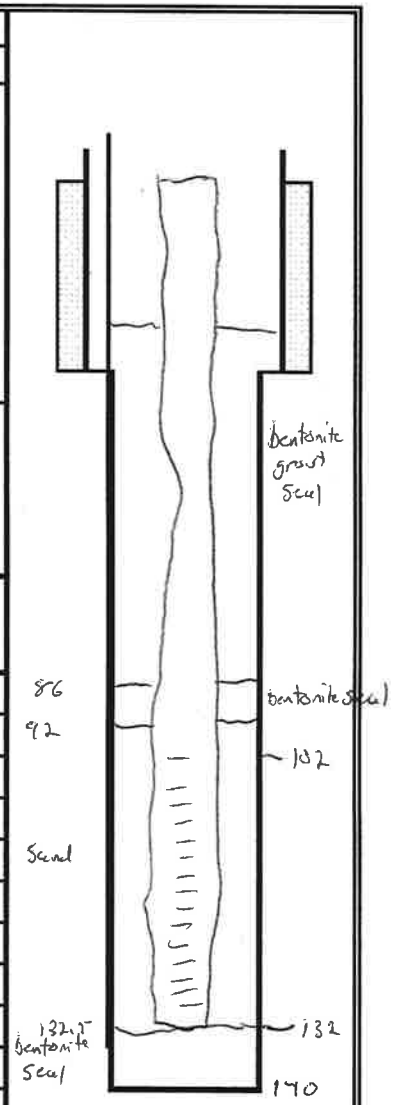
ANNULAR VOLUME CALCULATIONS

Total Depth of Borehole [T]: 140 feet
Total Cased Depth: 130 feet
Length of Interval to be filled [L]: 140 feet
Rat Hole Volume [R]: 5.3 Ft³
Borehole Diameter [D]: 9 7/8 inches
Casing Diameter [d]: 4 inch.
Annular Volume (A): (D²-d²) 0.005454 = .444 Ft³/Lin. Ft
Expected Calculated Volume = (AxL)+R= 63.02 Ft³

ANNULAR MATERIALS TALLY
Type of Annular Material:
Type/Size of Container:
Measurement Method:

EQUATIONS
2,700 lbs. Silica Sand=1 cubic yard=27 cubic ft
[1] Volume of bag (Ft³) = bag weight/100
[2] Calculated depth=previous calculated depth - (v/A)

No.	✓	Weight of Bag (lbs.)	Volume of Bag[1] (v) (ft³)	Total Vol. of Bags (ft³)	Calculated Depth[2] (ft bls)	Tagged Depth (ft bls)	Comments
½		50	0.25	0.25		132.5	bentonite plug
4		50	2	2.25		123.5	sand
4		50	2	4.25		117	sand
2		50	1	5.25		120	sand
3		50	1.5	6.75		108	sand
3		50	1.5	8.25		104	sand
7		50	3.5	11.75		92	sand
1.5		50	0.75	12.5		86	bentonite pellets 3/8
8.5		50	4.25	16.75		20	bentonite grout seal
12		94	~~0.47~~ Rc	20.03		1	cement



PUMP AND SURGE DEVELOPMENT
FIELD DATA LOG

Project Name: Romic	Project No.: 212602
Well No.: RE 110	Date: 6/12/13
Location:	Geologist: Russ Granfors
Total Depth of Well (ft bls): 130	Measuring Point (M.P.): TOC
Pump Type/Setting (ft bls): intake at 129'	Distance from ground level to M. P.:
Static Water Level (ft bls): 58.9	Screen Interval (ft bls): 100 - 130
How Q Measured:	

Time	Totalizer Reading	Discharge (gpm)	Pumping Water Level (ft)	Drawdown (ft)	Specific Capacity (gpm/ft)	Specific Conductivity (µs/cm)	pH	Temp. (°F)	TDS ~~(ppm)~~ Turbidity, NTU	Sand Content (ml)	Comments
1455		6	58.52	0.62	9.7	2.17	7.83	82.6	20835	0.4	
1500		6	59.51	0.61	9.8	2.24	7.79	77.6	3396	0.1	
1505		6	59.48	0.58	10.3	2.31	7.75	76.6	617	0	
1510		6	59.48			2.34	7.76	76.0	180	0	
1515		6	59.48			2.38	7.73	76.2	149	0	
1520		6	59.48			2.39	7.70	76.1	112	0	
1525		6	59.46	0.56	10.7	2.38	7.69	76.0	83.3	0	
1530		6	59.46			2.41	7.69	76.1	79.0	0	
1535		6	59.46			2.40	7.69	76.2	70.1	0	
1540		6	59.46			2.41	7.67	76.1	39.7	0	
1545		6	59.46			2.43	7.69	75.9	66.1	0	
1550		6	59.46			2.42	7.66	75.9	29.4	0	

Additional Comments:

CLEAR CREEK ASSOCIATES

PIPE TALLY

Project Name.: Romic	Project No.: 212002
Well No.: Middle, RB111	Date: 6/6/13
Location:	Pipe Talley for: well casing
Total Depth: 150	Geologist: RG

Type of Connections: ☐ Welded ☐ T+C ☒ Flush Thread ☐ Other

Pipe	✓	Length (ft)	Length Σ (ft)	Pipe Type	Pipe	✓	Length (ft)	Length Σ (ft)	Pipe Type
1	✓	10	10	slotted pvc w/cap					
2	✓	10	20	"					
3	✓	10	30	"					
4	✓	10	40	"					
5	✓	10	50	4" blank PVC					
6	✓	10	60	"					
7	✓	10	70	"					
8	✓	10	80	"					
9	✓	10	90	"					
10	✓	10	100	"					
11	✓	10	110	"					
12	✓	10	120	"					
13	✓	10	130	"					
14	✓	20	150	4" LCS					

SUMMARY OF TALLY

Total length of casing/screen tallied (ft.): 40

Length of casing cut off after landing (ft.): _____

Bottom of Casing (feet below land surface): 150.5

Screened Interval(s) (ft.bls): 150 - 110

Total feet of blank casing in hole (ft.): 110

Notes: 6" PVC riser put on top so a well cap will fit tight

ESTIMATED ANNULAR MATERIAL RECORD

Date: 6/6/13 Project No.: 212002 Geologist: RG
Well No.: Middle RE111 Project Name: Romic

ANNULAR VOLUME CALCULATIONS

Total Depth of Borehole [T]: 160 feet
Length of Interval to be filled [L]: 160 feet
Borehole Diameter [D]: 9 7/8 inches
Annular Volume (A): (D^2-d^2) 0.005454 = 0.44 Ft^3/Lin. Ft
Expected Calculated Volume = (AxL)+R= RG ~~21.3~~ 66.5 Ft^3

Total Cased Depth: 150 feet
Rat Hole Volume [R]: RG ~~5.3~~ 0.5 Ft^3
Casing Diameter [d]: 4 inch.

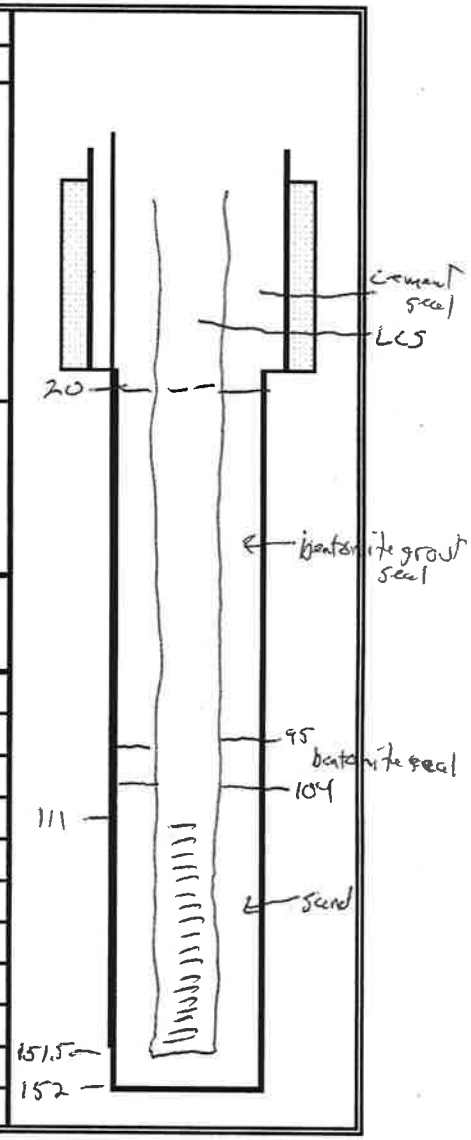
ANNULAR MATERIALS TALLY

Type of Annular Material:
Type/Size of Container:
Measurement Method:

EQUATIONS

2,700 lbs. Silica Sand=1 cubic yard=27 cubic ft
[1] Volume of bag (Ft^3) = bag weight/100 0.5
[2] Calculated depth=previous calculated depth - (v/A)

No.	✓	Weight of Bag (lbs.)	Volume of Bag[1] (v) (ft^3)	Total Vol. of Bags (ft^3)	Calculated Depth[2] (ft bls)	Tagged Depth (ft bls)	Comments
6	✓	50	3	3	144.2	140	Sand
5	✓	50	2.5	5.5	131.7	133	Sand
4	✓	50	2	7.5	114	124	Sand
1	✓	50	0.5	8	95.8	123	Sand
7	✓	50	3.5	11.5		109	Sand
3.5	✓	50	1.75	13.25		104	Sand
2	✓	50	1	14.25		95	3/8 holeplug bentonite
10	✓	50				70	aquaguard bentonite
5	✓	86					cement



1055

PUMP AND SURGE DEVELOPMENT
FIELD DATA LOG

Project Name: Romic	Project No.: 212002
Well No.: RE 111	Date: 6/12/13
Location:	Geologist: Ross Grantors
Total Depth of Well (ft bls): 150	Measuring Point (M.P.): TOC
Pump Type/Setting (ft bls): intake = 149'	Distance from ground level to M. P.:
Static Water Level (ft bls): 59.3	Screen Interval (ft bls): 110 – 150
How Q Measured:	

Time	Totalizer Reading	Discharge (gpm)	Pumping Water Level (ft)	Drawdown (ft)	Specific Capacity (gpm/ft)	Specific Conductivity (µs/cm) mS	pH	Temp. (°F)	~~TDS (ppm)~~ Turbidity NTU	Sand Content (ml)	Comments
1100		6	59.75	0.45	13.3	2.45	7.38	82.0	3022	0.1	
1103		6	59.75			2.51	7.53	80.3	1686	0	
1107		6	59.75			2.45	7.66	77.7	845	0	
1110		6	59.75			2.47	7.67	76.7	310	0	
1115		6	59.75			2.46	7.68	76.0	132	0	
1120		6	59.75			2.47	7.68	76.0	79.9	0	
1125		6	59.75			2.47	7.68	75.9	52.8	0	
1130		6	59.75			2.48	7.69	76.0	51.6	0	
1135		6	59.75			2.48	7.70	75.9	40.6	0	
1140		6	59.75			2.48	7.50	75.9	38.7	0	
1145		6	59.75			2.48	7.78	76.0	38.5	0	
1150		6	59.75			2.50	7.79	75.9	32.4	0	
1155		6	59.75			2.49	7.79	75.9	32.6	0	

Additional Comments:

APPENDIX H

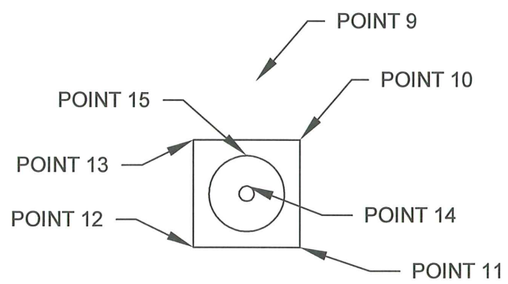
WELL SURVEY RESULTS

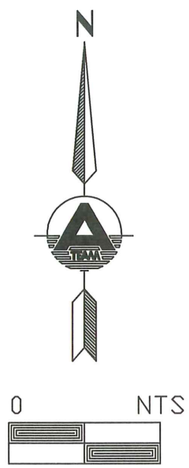
RE110

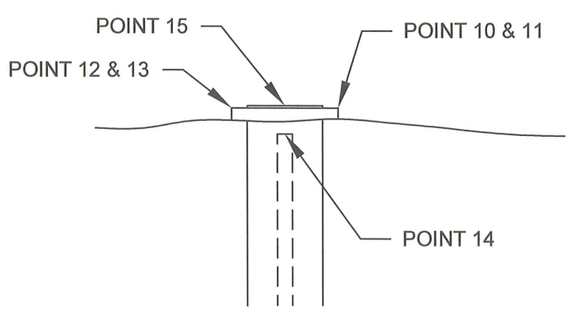
GROUND GRID CONTROL DATA AND BASIS OF BEARING

PER GILA RIVER INDIAN COMMUNITY RESOLUTION GR-18-97:
THESE COORDINATES HAVE BEEN CORRECTED FOR STATE PLANE COORDINATES (SPC) MAPPING SCALE AND ELEVATION FACTORS TO REFLECT THE ACTUAL HORIZONTAL GROUND DISTANCE BETWEEN POINTS IN U.S. FEET.
THE BASIS OF BEARING IS SPC GRID NORTH.
ELEVATIONS ARE ON THE NORTH AMERICAN VERTICAL DATUM OF 1929 (NAVD29).
GROUND GRID COORDINATE SYSTEM WAS DERIVED FROM NAD 83 SPC SYSTEM IN U.S. FEET MULTIPLIED BY A GROUND FACTOR OF 1.0001574 USING INDIAN AS THE BASE ORIGIN-POINT.

ALL COORDINATES SHOWN HEREON ARE GROUND VALUES.







Number	Northing	Easting	Elevation	Description
9	831574.74	685947.49	1149.31	SH RE110
10	831570.67	685948.43	1149.62	CSLAB
11	831568.30	685948.24	1149.60	CSLAB
12	831568.34	685945.93	1149.61	CSLAB
13	831570.71	685946.03	1149.61	CSLAB
14	831569.70	685947.24	1149.14	ST RE110
15	831570.12	685947.28	1149.79	N RIM RE110

CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014

A TEAM PROFESSIONAL ASSOCIATES, INC.
7676 W. Tierra Buena Ln.
Peoria, Arizona 85382
Phone:(602) 906-0020
Fax:(602) 906-0019

LEGAL DESCRIPTION
MONITOR WELL RE110 EASEMENT

A PORTION OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 2 SOUTH, RANGE 4 EAST, GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF GLO LOT 1, BEING A FOUND ALUMINUM CAP FLUSH STAMPED "LS 28237", FROM WHICH THE EAST ONE-QUARTER CORNER OF SAID SECTION 5 BEING A FOUND ALUMINUM CAP FLUSH STAMPED "LS 28237" BEARS SOUTH 00°00'40" EAST 1320.64 FEET DISTANT;

THENCE SOUTH 00°00'40" EAST 817.60 FEET UPON THE EAST LINE OF SAID SECTION 5 BEING THE CENTERLINE OF ALLISON ROAD;

THENCE SOUTH 89°59'20" WEST 50.12 FEET TO THE WEST RIGHT-OF-WAY LINE OF 56TH STREET TO THE **POINT OF BEGINNING**;

THENCE CONTINUE SOUTH 89°59'20" WEST 5.50 FEET;

THENCE SOUTH 00°00'40" EAST 5.50 FEET;

THENCE NORTH 89°59'20" EAST 5.50 FEET;

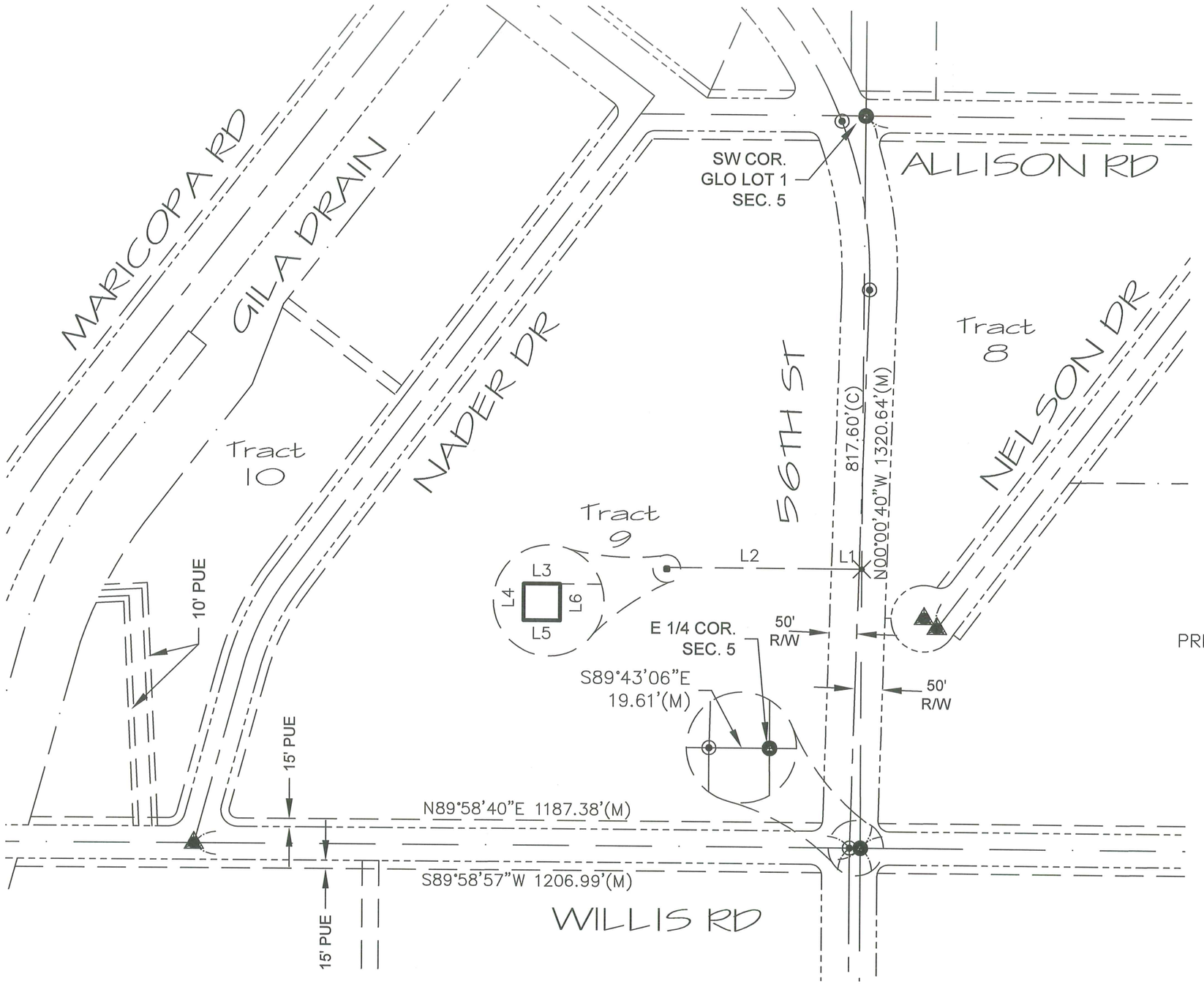
THENCE NORTH 00°00'40" WEST 5.50 FEET TO THE **POINT OF BEGINNING**.

CONTAINING: 30 SQUARE FEET, MORE OR LESS.

CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014



LINE TABLE		
LINE	LENGTH	BEARING
L1	55.12	S89°59'20"W
L2	295.72	S89°59'20"W
L3	5.50	S89°59'20"W
L4	5.50	S00°00'40"E
L5	5.50	N89°59'20"E
L6	5.50	N00°00'40"W

N

PROFESSIONAL ASSOCIATES, INC.

SCALE 1"= 200'

0 200' 400'

CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014

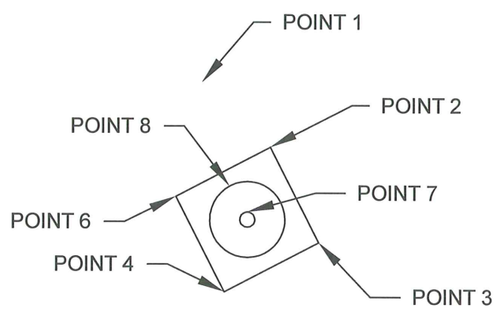
Section: 5	7676 W. Tierra Buena Ln. Peoria, Arizona 85382 Phone:(602) 906-0020 Fax:(602) 906-0019	**MONITOR WELL RE110 EXHIBIT**	
Township: 2S		**A PORTION OF THE NE 1/4, SEC. 5, T2S, R4E, G&SRM, MARICOPA COUNTY, ARIZONA.**	Drn: J.MALEK Ck'd: H.EPPERSON
Range: 4E		Date: 07/08/13 Job No: 2116	Scale: 1"= 200' Sheet 2 of 2

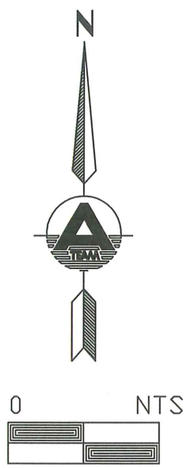
RE111

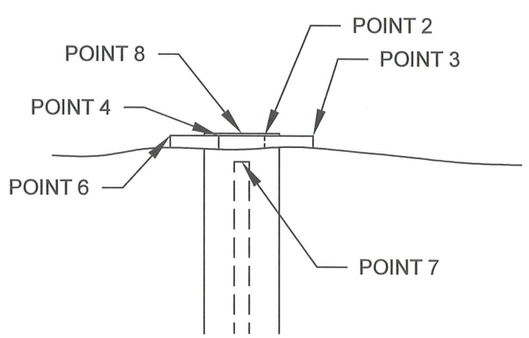
GROUND GRID CONTROL DATA AND BASIS OF BEARING

PER GILA RIVER INDIAN COMMUNITY RESOLUTION GR-18-97:
THESE COORDINATES HAVE BEEN CORRECTED FOR STATE PLANE COORDINATES (SPC) MAPPING SCALE AND ELEVATION FACTORS TO REFLECT THE ACTUAL HORIZONTAL GROUND DISTANCE BETWEEN POINTS IN U.S. FEET.
THE BASIS OF BEARING IS SPC GRID NORTH.
ELEVATIONS ARE ON THE NORTH AMERICAN VERTICAL DATUM OF 1929 (NAVD29).
GROUND GRID COORDINATE SYSTEM WAS DERIVED FROM NAD 83 SPC SYSTEM IN U.S. FEET MULTIPLIED BY A GROUND FACTOR OF 1.0001574 USING INDIAN AS THE BASE ORIGIN-POINT.

ALL COORDINATES SHOWN HEREON ARE GROUND VALUES.







Number	Northing	Easting	Elevation	Description
1	830911.22	683603.32	1147.38	SH RE111
2	830906.67	683605.48	1147.57	CSLAB
3	830904.38	683606.35	1147.58	CSLAB
4	830903.53	683604.05	1147.51	CSLAB
6	830905.73	683603.24	1147.54	CSLAB
7	830905.19	683604.72	1147.08	ST RE111
8	830905.57	683604.57	1147.63	N RIM RE111

CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014

A TEAM PROFESSIONAL ASSOCIATES, INC.
7676 W. Tierra Buena Ln.
Peoria, Arizona 85382
Phone:(602) 906-0020
Fax:(602) 906-0019

LEGAL DESCRIPTION
MONITOR WELL RE111 EASEMENT

A PORTION OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 2 SOUTH, RANGE 4 EAST, GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE CENTER SOUTH ONE-SIXTEENTH CORNER OF SECTION 5, BEING A FOUND 1" CEMENT FILLED GLO POST, FROM WHICH THE NORTH ONE-QUARTER CORNER OF SAID SECTION 5 BEING A CALCULATED POINT BEARS NORTH 00°00'09" EAST 3579.574 FEET DISTANT;

THENCE NORTH 00°00'09" EAST 1161.63 FEET UPON THE NORTH-SOUTH MID-SECTION LINE OF SAID SECTION 5;

THENCE NORTH 89°59'51" WEST 51.64 FEET TO THE **POINT OF BEGINNING**;

THENCE SOUTH 69°38'54" WEST 5.50 FEET;

THENCE SOUTH 20°21'06" EAST 5.50 FEET;

THENCE NORTH 69°38'54" EAST 5.50 FEET;

THENCE NORTH 20°21'06" WEST 5.50 FEET TO THE **POINT OF BEGINNING**.

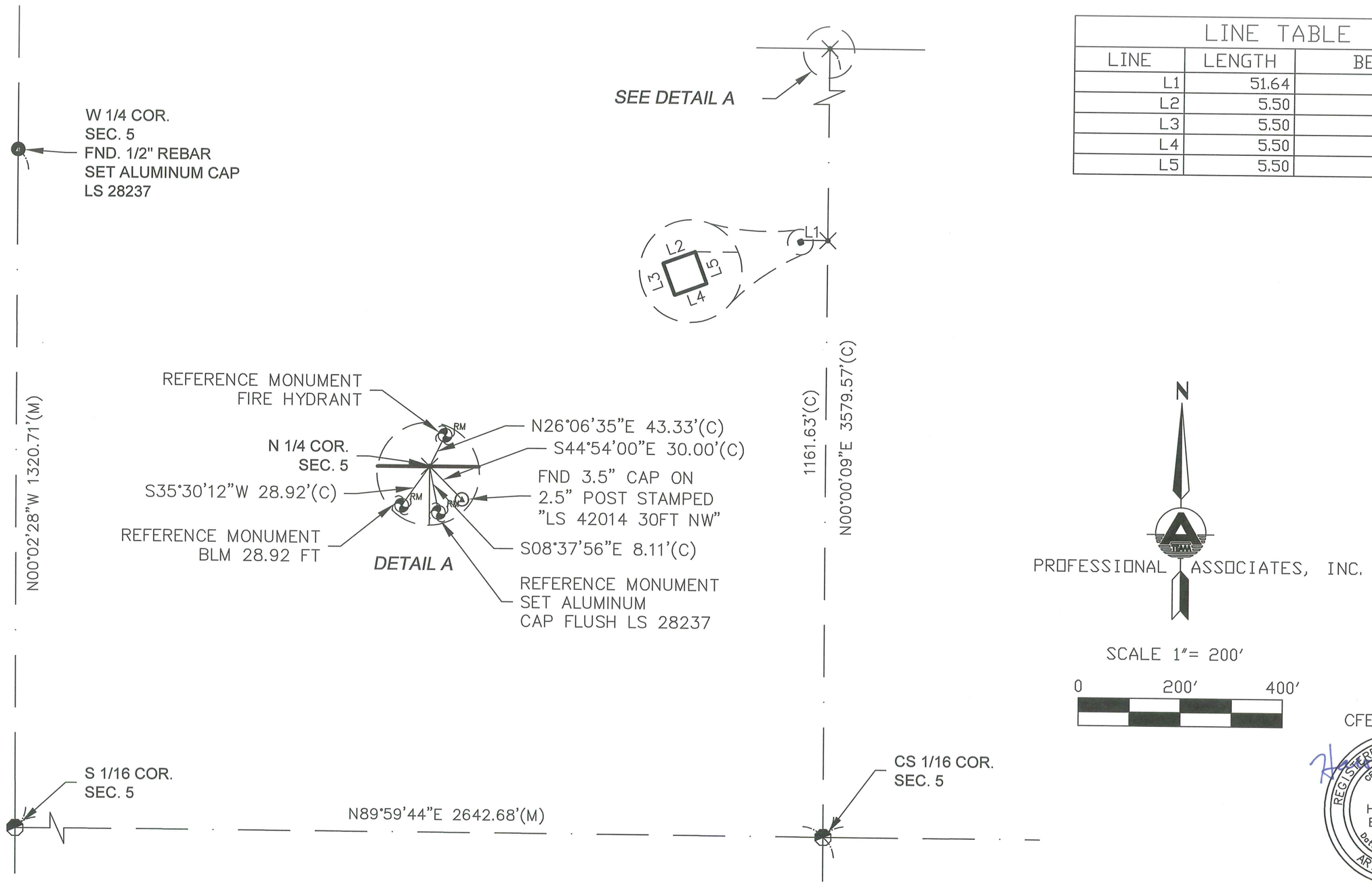
CONTAINING: 30 SQUARE FEET, MORE OR LESS.

CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014

LINE TABLE		
LINE	LENGTH	BEARING
L1	51.64	N89°59'51"W
L2	5.50	S69°38'54"W
L3	5.50	S20°21'06"E
L4	5.50	N69°38'54"E
L5	5.50	N20°21'06"W



CFEDS #1047

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21765
HAROLD N.
EPPERSON
Date Signed 07/08/2013
ARIZONA, U.S.A.

Expires: 09/30/2014

Section: 5	7676 W. Tierra Buena Ln. Peoria, Arizona 85382 Phone:(602) 906-0020 Fax:(602) 906-0019	**MONITOR WELL RE111 EXHIBIT**	
Township: 2S		**A PORTION OF THE NW 1/4, SEC. 5, T2S, R4E, G&SRM, MARICOPA COUNTY, ARIZONA.**	Drn: J.MALEK Ck'd: H.EPPERSON
Range: 4E		Date: 07/08/13 Job No: 2116	Scale: 1"= 200' Sheet 2 of 2

APPENDIX I

IDW DISPOSAL DOCUMENTATION

13-307-CP

LIQUID ENVIRONMENTAL SOLUTIONS

liquid ENVIRONMENTAL SOLUTIONS

NON-HAZARDOUS WASTE MANIFEST

91150
1323970

Profile Number
204808

978

Generator Name	Name: Romic Environmental Technologies Phone: (909) 717-6592	Generator Address	Address: 1320 S. 56th Street City: Chandler State: AZ Zip: 85226

Check with your state and local regulatory agencies for manifest retention requirements. NOTE: Many regulatory agencies require records to be kept on-site and available to review for up to 3 years.

Waste Type	☐ Grease Trap ☐ Grit Trap ☐ Septic/Chemical Toilet ☐ Non-Industrial ☒ Industrial ☐ Special ☐ Used Cooking Oil ☐ Recyclable Used Oil

I certify that the waste material removed from the above premises does not contain any radioactive, flammable, explosive, toxic or hazardous material ("Excluded Waste"). The term "hazardous material" is defined as any one or more pollutant, toxic substance, hazardous substance, solvent or oil as defined in or pusuant to the Resource Conservation and Recovery Act, the Comprehensive Environmental Response Compensation and Liability Act, the Federal Clean Water Act, or any other federal, state or local environmental law, regulation, ordinance, or rule, whether existing as of the date of this agreement or subsequently enacted. I also acknowledge that the Generator shall be responsible for any costs incurred by the Transporter or Disposal Facility in handling or proper disposal of any hazardous waste and that the Generator expressly agrees to defend, indemnify and hold harmless the Transporter from and against any and all damages, costs, fines and liabilities resulting from or arising out of any such hazardous waste.

Generator Rep. Name (please print)	Brian Bennett for Romic	Generator Rep. Signature	

Transporter Name	Name: Chemical Transportation, Inc. Phone: (480) 784-4833	Transporter Address	Address: 1945 E. Jackson Street City: Phoenix State: AZ Zip: 85034

Waste Removed (Gallons)	Well Development Water (1000 gallons)	Date 6/28/13	Time

I certify that the information above is accurate, and that only the waste certified for removal by the Generator is contained in the servicing vehicle. I am aware that falsification of this manifest may result in prosecution.

Driver Name (please print)	Micky Martin	Driver Signature	

Disposal Facility	Liquid Environmental Solutions of Arizona	Address	5159 West Van Buren Street Phoenix, AZ 85043
Waste Received (Gallons)	1000	Date 6/28/13	Time
Facility Rep. Name (please print)	Sonal	Facility Rep. Signature	

WHITE - Generator Final Copy YELLOW - Liquid Environmental Solutions Copy GOLDENROD - Transporter Copy PINK - Generator 1st Copy

819 46240

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

SHIPPER NO. 307816

CARRIER NO.

CHEMICAL TRANSPORTATION, INC. AZT050010008

DATE

CARRIER AZD983481813 SCAC

TO	FROM
CONSIGNEE Waste Management - Butterfield Landfill	SHIPPER Romic Environmental Technologies Corp.
STREET 40404 S. 99th Ave PHONE: 602-256-0630	STREET 1320 S. 56th Street PHONE:
DESTINATION Mobile STATE AZ ZIP 85239	ORIGIN Chandler STATE AZ ZIP 85226

ROUTE	VEHICLE NUMBER	U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1 CM		Non-Regulated Material (Drill Cuttings) PROFILE# BFS 438044AZ	15T		
		13-443-CP BOART LONGYEAR BIN # 725			
		2.65			
		Sandra Caldwell profile 7/2/13 100.00 LA			

Remit COD to:
Address:
City: State: Zip:

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

(Signature of Consignor)

COD AMT: $

COD FEE: Prepaid ☐ Collect ☐ $

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

TOTAL CHARGES: $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Romic	CARRIER: Chemical Transportation, Inc.
PER: [signature] for Romic	PER: [signature]
	DATE: 7-2-13

EMERGENCY RESPONSE TELEPHONE NUMBER: 888 444-7077

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

211-BLC-O3 12267 (Rev. 9/10)

2

Butterfield Station Landfill

Original

WASTE MANAGEMENT

40404 S. 99th Ave.
Mobile, AZ, 85239
Ph: 602-606-1008

Ticket# 682184

Customer Name Chemical Transportation Chemi Carrier CTI CTI
Ticket Date 07/02/2013 Vehicle# 819 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001362
State Waste Code Gen EPA ID
Manifest 307816
Destination Grid
PO
Profile 439044AZ (RONIC ENVIRONMENTAL TECHNOLOGIES CORP)
Generator 160-Ronic Environmental Tech Ronic Evironmental

	Time	Scale	Operator	Inbound		
In	07/02/2013 14:00:53	Inbound	sculwell		Gross	46240 lb*
Out	07/02/2013 14:18:45	Outbound	sculwell		Tare	36760 lb
					Net	9480 lb
			* Manual Weight		Tons	4.74

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	SpwasteSolidOth-To	100	4.74	Tons				AZ
2	FUEL-Fuel Surcharg	100		%				
3	EVF-P-Standard Env	100		%				
4	RCR-P-Regulatory C	100		%				
5	ADE-ADEQ Fee	100	4.74	Tons				

"This is to certify that the following described merchandise was weighted and counted or measured by a public or deputy weighmaster, and when properly signed and sealed, shall be primafacie evidence of the accuracy of the weight shown prescribed by law"

Total Tax

Total Ticket

"I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous, toxic, radioactive waste or substances, or other non-allowable wastes. I also agree to remove any non-allowable wastes I bring to this facility, or pay all costs for proper removal of such wastes, upon request from this facility."

DRIVER: PLEASE SIGN HERE

Driver's Signature

403WMFL-Butter

854-73520

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

SHIPPER NO. 307815

CARRIER NO.

DATE

CARRIER CHEMICAL TRANSPORTATION, INC. AZT050010008

SCAC

TO	FROM
CONSIGNEE AZD983481813 Waste Management - Butterfield Landfill	SHIPPER Romic Environmental Technologies Corp.
STREET 40404 S. 99th Ave	STREET 1320 S. 56th Street
PHONE: 602-258-0830	PHONE:
DESTINATION Mobile STATE AZ ZIP 85239	ORIGIN Chandler STATE AZ ZIP 85226

ROUTE | VEHICLE NUMBER | U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1 CM		Non-Regulated Material (Drill Cuttings) PROFILE# BFS 439044AZ 13-443-CP BOAT LONGYEAR	15T		

7/3/13

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

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

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Romic	CARRIER: Chemical Transportation, Inc.
PER:	PER:
	DATE: 7-3-13
EMERGENCY RESPONSE TELEPHONE NUMBER: 888 444-7077	NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

211-BLC-O3 12267 (Rev. 9/10)

2

WASTE MANAGEMENT

Butterfield Station Landfill

Original

40404 S. 99th Ave.
Mobile, AZ, 85239
Ph: 602-606-1008

Ticket# 682253

Customer Name Chemical Transportation Chemi
Ticket Date 07/03/2013
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 307815
Destination
PO
Profile 439044AZ (ROMIC ENVIRONMENTAL TECHNOLOGIES CORP)
Generator 160-Romic Environmental Tech Romic Evironmental

Carrier CTI CTI
Vehicle# 854
Container
Driver
Check#
Billing # 0001362
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/03/2013 07:10:02	Inbound	sculwell		Gross	73500 lb
Out	07/03/2013 08:14:05	Outbound	sculwell		Tare	37260 lb
					Net	36240 lb
					Tons	18.12

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	SpwasteSolidOth-To	100	18.12	Tons				AZ
2	FUEL-Fuel Surcharg	100		%				AZ
3	EVF-P-Standard Env	100		%				AZ
4	RCR-P-Regulatory C	100		%				AZ
5	ADE-ADEQ Fee	100	18.12	Tons				AZ

"This is to certify that the following described merchandise was weighted and counted or measured by a public or deputy weighmaster, and when properly signed and sealed, shall be primafacie evidence of the accuracy of the weight shown prescribed by law"

"I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous, toxic, radioactive waste or substances, or other non-allowable wastes. I also agree to remove any non-allowable wastes I bring to this facility, or pay all costs for proper removal of such wastes, upon request from this facility."

DRIVER: PLEASE SIGN HERE

Total Tax
Total Ticket

403WMFL-Butter
Driver's Signature