Kegan W. Boyer, P.G.
Project Manager

Upstream Business Unit
Environmental Management Company
1400 Smith Street
Room 07076
Houston, Texas 77002
Tel 713-372-7705
kegan.boyer@chevron.com

February 4, 2014

Mr. Glenn von Gonten
Senior Hydrologist
Environmental Bureau
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Former Chevron North Eunice Gas Plant
Discharge Permit GW-004
Proposed Monitor Well Plugging

Dear Mr. Von Gonten,

As Operator of the remediation program at the Former Chevron North Eunice Gas Plant (Site), Chevron Environmental Management Company (CEMC) is submitting the following enclosed report:

Chloride Soil Investigation Report,
Former Chevron Eunice North Gas Plant (ENGP),
Eunice, Lea County, New Mexico

This report was prepared by Conestoga-Rovers & Associates (CRA) to document the results of a chloride investigation in soils completed at the above-referenced site location. This investigation was completed in accordance with a request from the Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department (NMOCD) provided to Mr. Matt Hudson of CEMC in correspondence dated January 11, 2012 (NMOCD draft approval for renewal of Discharge Permit GW-004) that identified former sprinkler systems that may have been a source of chloride impacts to soils at the Site.

Based on the results of this investigation, evidence of elevated levels of chlorides in soils were not identified at the Site, and the reported sprinkler system does not appear to have been a source of chloride impacts to soils at the Site.

An electronic copy of the report on CD-ROM is also enclosed for your convenience.

Should you have any questions, please do not hesitate to contact me by phone at 713-372-7705 or via e-mail at kegan.boyer@chevron.com.

Sincerely,

Kegan W. Boyer, P.G.
Environmental Project Manager

cc: Mike Wisniowiecki, CRA

CONESTOGA-ROVERS & ASSOCIATES

6320 Rothway, Suite 100, Houston, Texas 77040
Telephone: (713) 734-3090 Fax: (713) 734-3391
www.CRAworld.com

January 17, 2014 Reference No. 073018-8

Mr. Kegan W. Boyer
Project Manager
Upstream Business Unit
Chevron Environmental Management Company
1400 Smith Street, Room 07086
Houston, TX 77002

Re: Chloride Soil Investigation Report
Former Chevron Eunice North Gas Plant (ENGP)
Eunice, Lea County, New Mexico

Dear Mr. Boyer:

Conestoga-Rovers & Associates (CRA) is pleased to provide this summary of the chloride soil investigation activities and results to the Chevron Environmental Management Company (CEMC) for the above-referenced former Chevron Eunice North Gas Plant (ENGP) Site. The New Mexico Energy, Minerals, and Natural Resources Department, New Mexico Oil Conservation Division (NMOCD) provided information to CEMC regarding two sprinkler systems previously operated by Getty Oil Company at the ENGP, located in Eunice, Lea County, New Mexico (Figure 1) in correspondence dated January 11, 2012 (OCD's Draft Approval for Discharge Plan Renewal Discharge Permit GW-004)(Appendix A). The information regarding the former sprinkler systems was provided to CEMC during the renewal of Discharge Permit GW-004 for the facility. The facility is currently operated by Versado Gas Processors, LLC (Versado), a limited liability partnership originally between Chevron and Dynegy Midstream Services (Dynegy).

Background

The former ENGP sprinkler systems were reported to have been used to distribute cooling tower blowdown waste water and other waste water that had been collected in a sump tank. Correspondence from Getty Oil Company to NMOCD dated September 3, 1980 included laboratory analysis of process water, boiler blowdown water, and cooling tower blowdown water and indicated that chloride concentrations in the water discharged through the sprinkler systems ranged from 1,318 milligrams per liter (mg/L) to 3,612 mg/L. NMOCD requested that Chevron conduct an investigation of the areas within the footprint of the sprinkler system to evaluate potential residual chloride impacts to soil.

The schematic provided by Getty Oil Company to NMOCD depicts the approximate location of the two sprinkler systems and provides limited notes regarding the source of the water discharged through each sprinkler system. Cooling tower blow down water was reportedly discharged from the sprinkler system installed along the south and east sides of the gas plant. Water from the other portions of the site was discharged from a separate sprinkler system installed along the north, east and west sides of the gas plant. Scaled, as-built drawings showing the location of the sprinkler system lines and sprinkler heads were not available. Therefore, the footprint of the sprinkler system and limits of potential residual impacts are only estimated. The estimated location of the sprinkler system, based on the Getty Oil Company schematic has been inferred on a site map (see Figures 2, 3 and 4). A small portion of one-inch diameter metal piping that may be associated with the former cooling tower sprinkler system line was observed in the southeast corner of the facility area during other site activities completed in June 2012, indicating that the sprinkler system lines may have been left in place after use was discontinued. However, no other evidence or documentation indicating whether the sprinkler system was removed or left in place is available.

Soil Investigation Report

A Chloride Investigation Work Plan – Sprinkler System Area (the Plan) was submitted by CEMC to NMOCD in July 2012. The Plan consisted of installing 20 soil borings to 28 feet below ground surface (bgs) in the sprinkler system areas, collecting seven soil samples from each boring for chloride content analysis. In addition to the proposed soil borings, and prior to any soil boring installation, CEMC performed a geophysical investigation in April 2013 using electromagnetic methods to better identify chloride-affected soils and focus soil boring locations on potential high-concentration chloride soil areas. A metal detection survey was also performed at that time to better identify subsurface metal utilities and obstructions, as well as evidence of the former sprinkler systems. CRA attempted to define the limits of the sprinkler systems before beginning investigation activities using the metal detection survey results. Site reconnaissance was also completed to visually identify evidence of the sprinkler systems that may have been left in place.

Conductive and inductive line tracing techniques (geophysics) were used to assist in the identification of the footprint of the sprinkler systems where traces of the sprinkler systems were not observed at the surface. Both methods assumed that the sprinkler system lines are still in place. The information was used to verify the location of the sprinkler systems relative to the drawings provided by Getty Oil

Company. If it was not possible to locate the lines using geophysical techniques, the approximate location of the lines was to be estimated based on Getty Oil Company site drawings. Once both geophysics test results and any observations of the physical irrigation system were evaluated to identify potentially high-concentration chloride soil areas, a focused Scope of Work (SOW) for the installation of 20 soil boring locations was developed to investigate these soils as requested by the NMOCD.

Geophysical Survey Methods

Two soil conductivity surveys were completed to determine the extent, if any, of residual chloride impacts in deeper and shallower soil horizons at the Site utilizing EM31 and EM38 survey instruments. The EM31 instrument consists of transmitter and receiver coils located at opposite ends of a 14-foot long boom. In vertical dipole mode, the EM31 coil configuration yields an approximate fixed depth of investigation of 17 feet bgs. The transmitter of the instrument induces circular eddy current loops into the earth, which generate magnetic fields that are intercepted by the receiver coil. The induced magnetic field, the quadrature-phase, is subsequently logged, which yields a terrain conductivity measurement in milli-Siemens/meter (mS/m). During the course of the survey, data was collected at 1-second intervals and automatically stored in a Polycorder data logger. The EM38 is similar to the EM31, and consists of a transmitter and receiver coil located at opposite ends of a boom with coil separations of approximately 3 feet, connected to a Juniper Systems Pro 4000 data logger. In vertical dipole mode, the EM38 coil configuration yields an approximate fixed depth of investigation of 5 feet. The EM38 survey was completed to determine the soil conductivity response in the shallower subsurface. Soil conductivity response is directly comparable to potential chloride concentrations in the soil, but may also reflect the presence of metallic object or other conductive materials.

In order to assist in the location of the former sprinkler system, an EM61 metal detection survey was also completed. The EM61 is a time-domain detector that is used to locate buried metal. The detector consists of a wheel mounted transmitter and receiver in a stacked configuration, connected to a Juniper Systems Pro 4000 data logger. The transmitter generates a pulsed primary magnetic field, which induces eddy currents in metallic objects that are located nearby. The decay of these currents is measured by the receiver, which yields a response in milliVolts (mV) that is proportional to the metallic content of the buried object. The EM61 confirmed the presence of buried metallic objects, to a depth of 10 feet bgs in several areas of the facility.

The EM31, EM38 and EM61 surveys were completed over suspected chloride-impacted areas within the Site boundaries (where accessible), on survey lines spaced approximately 20 feet apart. The survey lines were oriented perpendicular to the assumed trend of sprinkler lines and the former irrigation system. Since the geophysical instrumentation can collect data as a function of time, a global positioning system (GPS) receiver was used to locate where the measurements were taken. The GPS locations were collected at 1-second intervals during the course of the surveys. GPS and EM data files were then merged using the time of measurement for each. The differential GPS locations were reported as NAD83 Datum, State Plane New Mexico coordinates.

Geophysical Survey Results

After completion of the field geophysical data collection activities the week of April 15, 2013, the data was processed with results displayed as colored contour plots, and superimposed over an aerial photograph that includes the surveyed area. Anomalies which were detected were evident on the colored plots. This included small areas of elevated conductivity values in the shallow and deeper subsurface and suspected sprinkler irrigation system and subsurface utility lines.

Based on review of the survey results, no large anomalous soil conductivity areas were identified (see Figures 2 and 3). Survey conductivity responses generally ranged from -20 mS/m to 70 mS/m, which correspond to background level readings for the area. Elevated conductivity response features were noted ranging up to 200 mS/m and appeared to correlate with known metallic features such as large-diameter subsurface facility pipelines and related facility equipment. Based on these observations, no large areas of potential high-conductivity chloride-impacted soils were indentified at the ENPG facility.

After review of the metal detection survey (at the 10-foot depth interval) (Figure 4), no direct evidence of the location of the sprinkler systems was observed. Conductivity response values above background ranged from 250 mS/m to 2,000 mS/m and appeared to correlate with known site-related metallic features, such as large-diameter subsurface facility pipelines and related facility equipment. Other than a few areas of linear features with a weak signature contrasting with the background conductivity response values, no evidence of the sprinkler system was observed in any of the surveys.

Soil Boring Investigation

Based on the geophysical test results, borings were advanced at ten locations within the cooling tower sprinkler system area and at ten locations within the sump tank sprinkler system area (Figure 2). The

locations were selected using the previous Getty Oil sprinkler system schematic, with a few locations adjusted to sample potential chloride-impacted soils as indicated by minor areas of elevated conductivity results (boring locations ST-11-13, ST-20-13).

A previous soil investigation (Eunice North Chlorides Investigation Report, Stantec, October 2010) indicated that chloride concentrations at the site were generally highest within 20 to 30 feet depth from the surface. Therefore, the soil borings were advanced to a depth of 28 feet bgs, and seven soil samples from each boring were collected for laboratory analysis at four-foot intervals, from 0 to 28 feet bgs. The borings were advanced using an air rotary drill rig, with the exception of the first five feet of each boring. The top five-foot section of each boring was advanced using an air knife, reducing the potential for striking underground utilities. Soil samples from the air-knifed upper five feet were collected from a strainer device that caught soil produced by the air knife. Soil samples below the air-knifed section were collected by a split-spoon that was advanced ahead of the air rotary drill. A total of 140 soil samples were collected from the 20 soil boring locations for chloride analysis. The soil samples were placed in laboratory-supplied containers, preserved in an ice-filled cooler and transported under chain-of-custody control to Xenco Laboratories in Odessa, Texas for analysis of total chlorides (EPA Method 300.0). A minimum of one duplicate sample was collected for each twenty soil samples collected. At least one duplicate sample was collected per day during soil sampling activities. Each sample was also analyzed for moisture to allow correction of chloride concentration data for soil moisture content.

Boring logs were prepared from soil cutting observations and the borings were subsequently plugged and abandoned (Appendix B). Soil cutting observations at most locations indicated a very fine grained reddish to orange sand interval from grade to between four and 16 feet bgs, underlain by a hard off-white caliche layer from 8 to 20 feet in thickness. The remainder of each boring consisted of a very light brown to tan, very fine grained sand to the 28-foot total depth of the boring. Six soil borings along the northern boundary of the facility did not contain the caliche layer, consisting generally of the surficial, very fine grained, reddish to orange sand, grading into a light-colored sandstone to the 28-foot total depth.

Soil Boring Analytical Results

The laboratory reports for the 140 soil samples are included in Appendix C, and analytical results are summarized in Table 1. Soil sample locations and analytical results are included with geophysical

conductivity response results on Figures 2, 3 and 4. Under NMOCD Rule 29 (19.15.29 New Mexico Administrative Code (NMAC)) and Rule 30 (19.15.30 NMAC) of the oil and gas regulations, the chloride soil concentration remedial action level (RAL) for soils within 50 feet of groundwater is 250 milligrams per kilogram (mg/kg). Soil analytical results show that chloride was present in all soil samples, ranging from 3.14 mg/kg (CT-04-13, 2 feet bgs) to 520 mg/kg (ST-12-13, 4 feet bgs). Only one soil sample contained chloride above the NMOCD chloride soil RAL of 250 mg/kg, soil sample ST-12-13 (4 feet bgs) at a concentration of 520 mg/kg. The five soil samples collected beneath this sample all contained chloride at concentrations below the chloride soil RAL, ranging from 33.3 mg/kg (ST-13-13, 22 feet) to 101 mg/kg (ST-13-13, 14 feet). The chloride concentrations in the remaining 139 soil samples were generally one to two orders of magnitude below the chloride RAL.

Conclusions

Based on the geophysical conductivity response and metal detection surveys, and the confirmatory soil sampling results, soils at the ENGP facility do not appear to contain elevated levels of chloride-impacted soils from the surface to 28 feet bgs. The reported sprinkler system does not appear to have been a source of chloride soil contamination to the extent it was reported in facility soils. Therefore, the investigation for potential chloride source(s) within facility boundaries did not identify such a source or identify significantly elevated concentrations of chlorides in site soils. The investigation therefore can be deemed complete.

CONESTOGA-ROVERS
& ASSOCIATES

January 17, 2014 Reference No. 073018-8

Please feel free to contact us at (713) 734-3090 if you have any questions or comments regarding this investigation.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Michael J. Wisniowiecki
Senior Project Manager

Joe L. Cruseturner
Principal

MW/al/1

Attachments: Figure 1 – Site Location Map
Figure 2 – EM31 Conductivity Survey and Chloride Soil Analytical Results
Figure 3 – EM38 Conductivity Survey and Chloride Soil Analytical Results
Figure 4 – EM61 Metal Detection Survey and Chloride Soil Analytical Results
Table 1 - Soil Boring Analytical Results – Chloride Concentrations
Appendix A – NMOCD Draft Approval for Discharge Plan Renewal Discharge Permit GW-004, January 11, 2012
Appendix B - Soil Boring Logs
Appendix C - Laboratory Reports

FIGURES

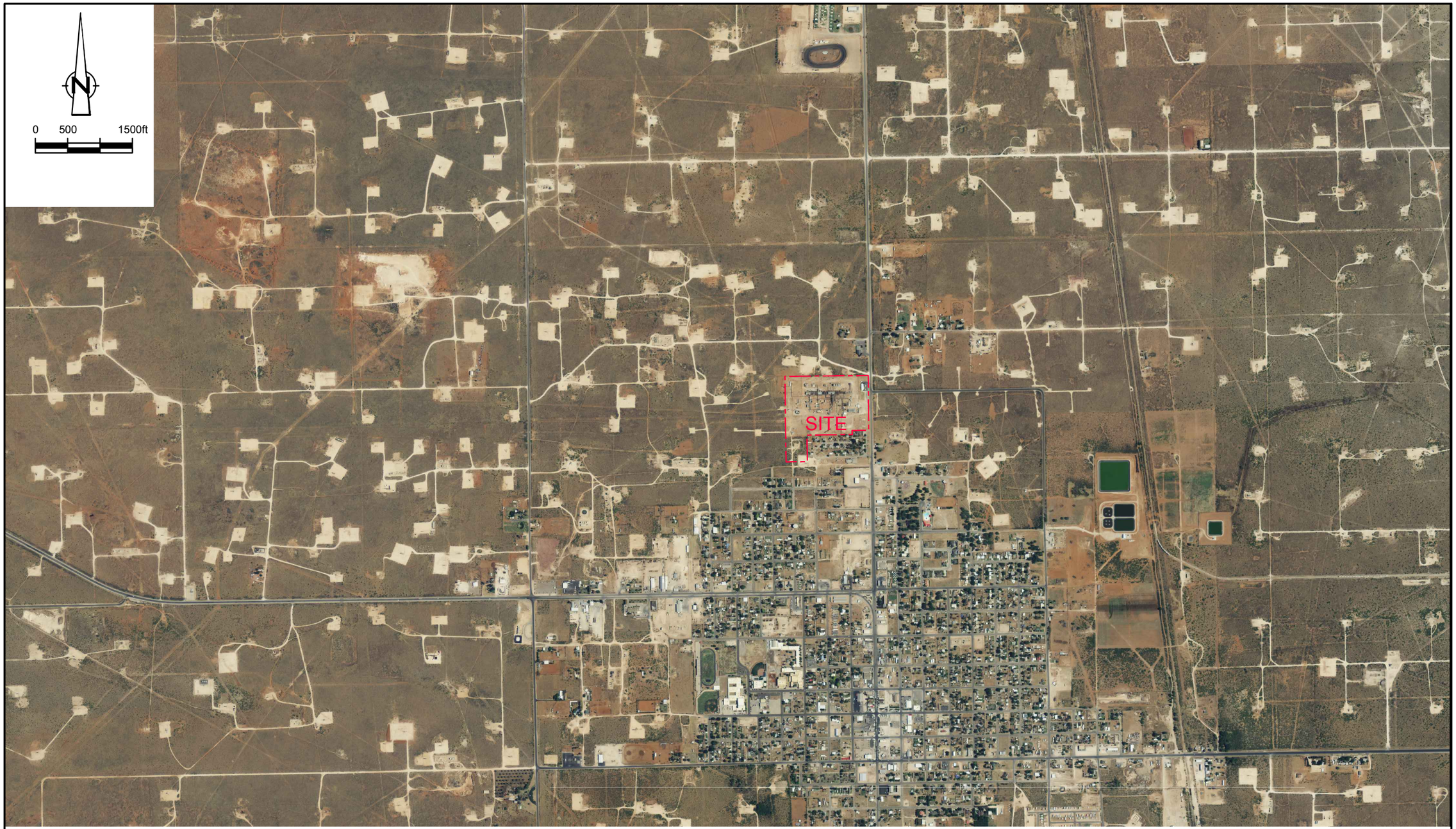
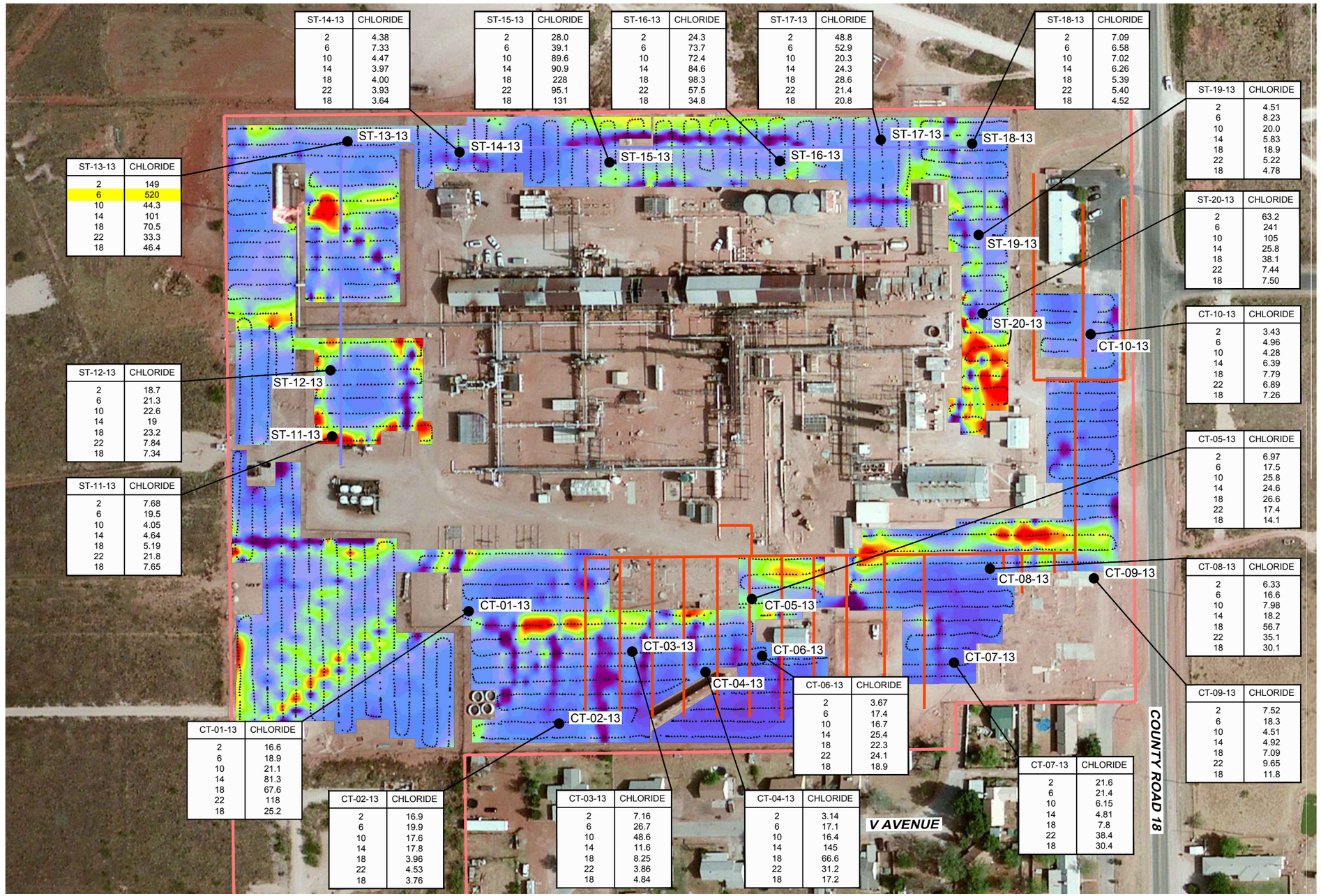


figure 1

SITE LOCATION MAP
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

73018-00(PRES001)GN-WA001 DEC 10/2013



ST-13-13	CHLORIDE
2	149
6	520
10	44.3
14	101
18	70.5
22	33.3
18	46.4

ST-14-13	CHLORIDE
2	4.38
6	7.33
10	4.47
14	3.97
18	4.00
22	3.93
18	3.64

ST-15-13	CHLORIDE
2	28.0
6	39.1
10	89.6
14	90.9
18	228
22	95.1
18	131

ST-16-13	CHLORIDE
2	24.3
6	73.7
10	72.4
14	84.6
18	98.3
22	57.5
18	34.8

ST-17-13	CHLORIDE
2	48.8
6	52.9
10	20.3
14	24.3
18	28.6
22	21.4
18	20.8

ST-18-13	CHLORIDE
2	7.09
6	6.58
10	7.02
14	6.26
18	5.39
22	5.40
18	4.52

ST-19-13	CHLORIDE
2	4.51
6	8.23
10	20.0
14	5.83
18	18.9
22	5.22
18	4.78

ST-20-13	CHLORIDE
2	63.2
6	241
10	105
14	25.8
18	38.1
22	7.44
18	7.50

ST-12-13	CHLORIDE
2	18.7
6	21.3
10	22.6
14	19
18	23.2
22	7.84
18	7.34

ST-11-13	CHLORIDE
2	7.68
6	19.5
10	4.05
14	4.64
18	5.19
22	21.8
18	7.65

CT-10-13	CHLORIDE
2	3.43
6	4.96
10	4.28
14	6.39
18	7.79
22	6.89
18	7.26

CT-05-13	CHLORIDE
2	6.97
6	17.5
10	25.8
14	24.6
18	26.6
22	17.4
18	14.1

CT-08-13	CHLORIDE
2	6.33
6	16.6
10	7.98
14	18.2
18	56.7
22	35.1
18	30.1

CT-09-13	CHLORIDE
2	7.52
6	18.3
10	4.51
14	4.92
18	7.09
22	9.65
18	11.8

CT-06-13	CHLORIDE
2	3.67
6	17.4
10	16.7
14	25.4
18	22.3
22	24.1
18	18.9

CT-01-13	CHLORIDE
2	16.6
6	18.9
10	21.1
14	81.3
18	67.6
22	118
18	25.2

CT-02-13	CHLORIDE
2	16.9
6	19.9
10	17.6
14	17.8
18	3.96
22	4.53
18	3.76

CT-03-13	CHLORIDE
2	7.16
6	26.7
10	48.6
14	11.6
18	8.25
22	3.86
18	4.84

CT-04-13	CHLORIDE
2	3.14
6	17.1
10	16.4
14	145
18	66.6
22	31.2
18	17.2

CT-07-13	CHLORIDE
2	21.6
6	21.4
10	6.15
14	4.81
18	7.8
22	38.4
18	30.4

0 50 150ft

EM31 CONDUCTIVITY RESPONSE (mS/m)

200 180 160 140 120 100 80 60 40 20 0 -20

SUBSURFACE SOIL IDENTIFICATION

CT-01-13	CHLORIDE
2	16.6
6	18.9
10	21.1
14	81.3
18	67.6
22	118
18	25.2

PARAMETER SAMPLED

CONCENTRATION (mg/kg)

BORING SAMPLE DEPTH (feet)

figure 2

EM31 CONDUCTIVITY SURVEY (~ 17 FEET BG) AND CHLORIDE SOIL ANALYTICAL RESULTS FORMER EUNICE NORTH GAS PLANT EUNICE, LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

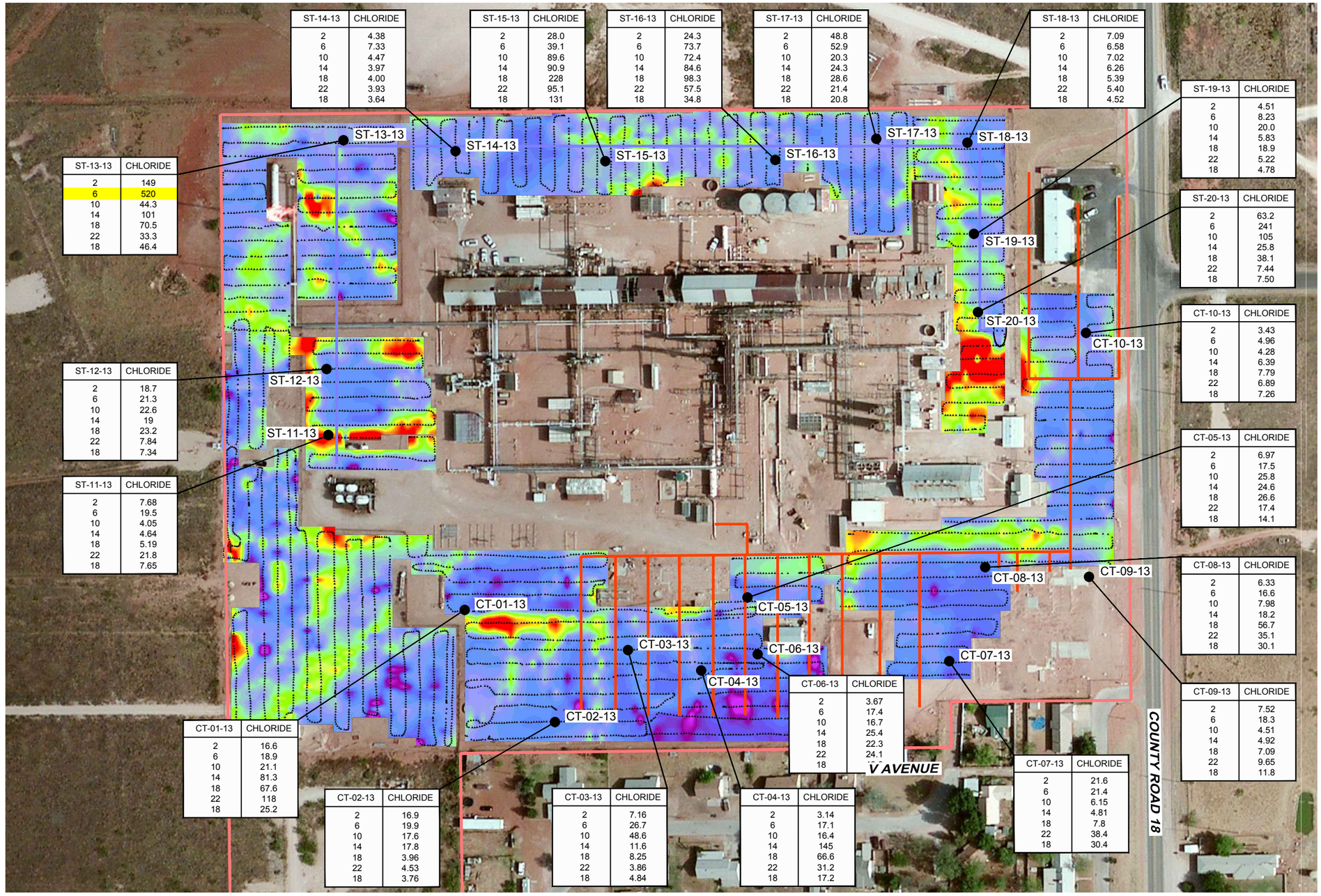
LEGEND

- Proposed Boring Location
- Sump Tank Sprinkler System
- Cooling Tower Sprinkler System
- Approximate Site Boundary

NOTES:

Locations of sprinkler systems are approximate and base on a schematic from Getty Oil Company, 1980.

Highlighted Chloride values exceed NMOCD Remediation Action Levels < 50 feet from groundwater.



ST-14-13	CHLORIDE
2	4.38
6	7.33
10	4.47
14	3.97
18	4.00
22	3.93
18	3.64

ST-15-13	CHLORIDE
2	28.0
6	39.1
10	89.6
14	90.9
18	228
22	95.1
18	131

ST-16-13	CHLORIDE
2	24.3
6	73.7
10	72.4
14	84.6
18	98.3
22	57.5
18	34.8

ST-17-13	CHLORIDE
2	48.8
6	52.9
10	20.3
14	24.3
18	28.6
22	21.4
18	20.8

ST-18-13	CHLORIDE
2	7.09
6	6.58
10	7.02
14	6.26
18	5.39
22	5.40
18	4.52

ST-13-13	CHLORIDE
2	149
6	520
10	44.3
14	101
18	70.5
22	33.3
18	46.4

ST-19-13	CHLORIDE
2	4.51
6	8.23
10	20.0
14	5.83
18	18.9
22	5.22
18	4.78

ST-20-13	CHLORIDE
2	63.2
6	241
10	105
14	25.8
18	38.1
22	7.44
18	7.50

ST-12-13	CHLORIDE
2	18.7
6	21.3
10	22.6
14	19
18	23.2
22	7.84
18	7.34

CT-10-13	CHLORIDE
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10	4.05
14	4.64
18	5.19
22	21.8
18	7.65

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6	17.5
10	25.8
14	24.6
18	26.6
22	17.4
18	14.1

CT-08-13	CHLORIDE
2	6.33
6	16.6
10	7.98
14	18.2
18	56.7
22	35.1
18	30.1

CT-09-13	CHLORIDE
2	7.52
6	18.3
10	4.51
14	4.92
18	7.09
22	9.65
18	11.8

CT-01-13	CHLORIDE
2	16.6
6	18.9
10	21.1
14	81.3
18	67.6
22	118
18	25.2

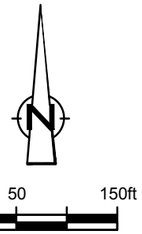
CT-06-13	CHLORIDE
2	3.67
6	17.4
10	16.7
14	25.4
18	22.3
22	24.1
18	

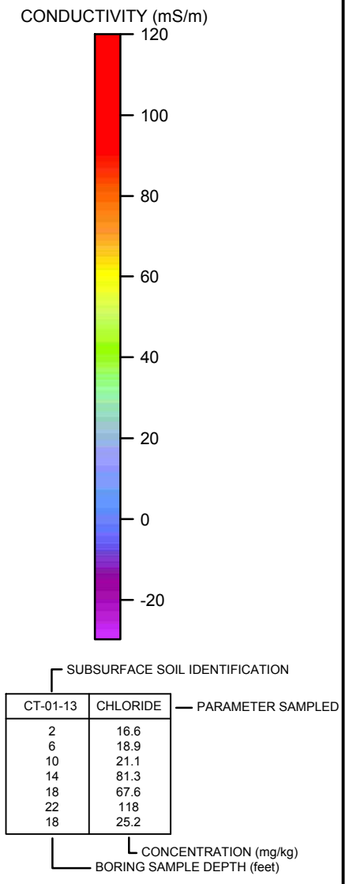
CT-07-13	CHLORIDE
2	21.6
6	21.4
10	6.15
14	4.81
18	7.8
22	38.4
18	30.4

CT-02-13	CHLORIDE
2	16.9
6	19.9
10	17.6
14	17.8
18	3.96
22	4.53
18	3.76

CT-03-13	CHLORIDE
2	7.16
6	26.7
10	48.6
14	11.6
18	8.25
22	3.86
18	4.84

CT-04-13	CHLORIDE
2	3.14
6	17.1
10	16.4
14	145
18	66.6
22	31.2
18	17.2





SUBSURFACE SOIL IDENTIFICATION

CT-01-13	CHLORIDE	← PARAMETER SAMPLED
2	16.6	
6	18.9	
10	21.1	
14	81.3	
18	67.6	
22	118	
18	25.2	

CONCENTRATION (mg/kg)
BORING SAMPLE DEPTH (feet)

figure 3

LEGEND

- Proposed Boring Location
- Sump Tank Sprinkler System
- Cooling Tower Sprinkler System
- Approximate Site Boundary

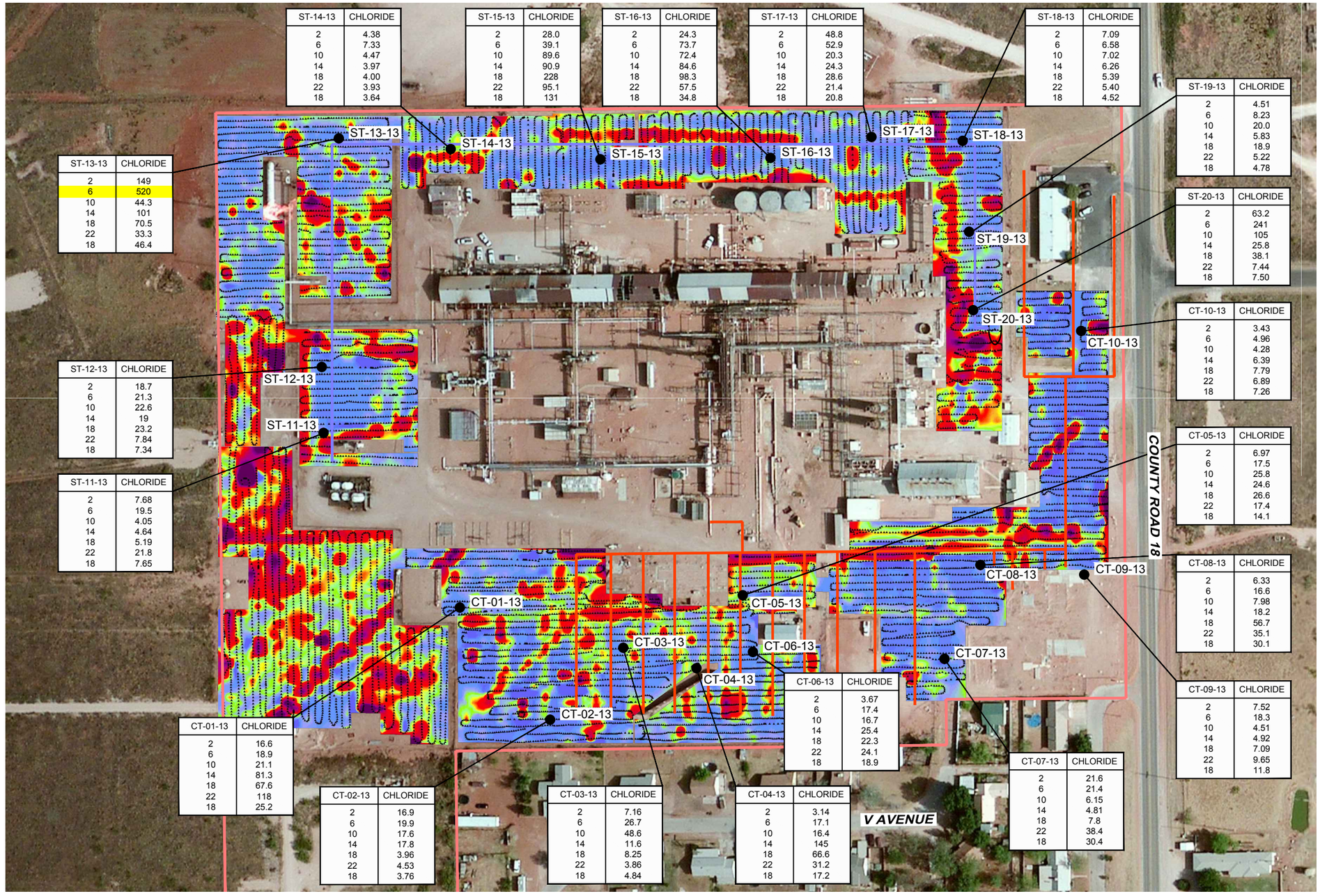
NOTES:

Locations of sprinkler systems are approximate and base on a schematic from Getty Oil Company, 1980.

Highlighted Chloride values exceed NMOCD Remediation Action Levels < 50 feet from groundwater.

EM38 CONDUCTIVITY SURVEY (~ 5 FEET BG) AND CHLORIDE SOIL ANALYTICAL RESULTS FORMER EUNICE NORTH GAS PLANT EUNICE, LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company



ST-13-13	CHLORIDE
2	149
6	520
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14	101
18	70.5
22	33.3
18	46.4

ST-14-13	CHLORIDE
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18	3.64

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6	6.58
10	7.02
14	6.26
18	5.39
22	5.40
18	4.52

ST-19-13	CHLORIDE
2	4.51
6	8.23
10	20.0
14	5.83
18	18.9
22	5.22
18	4.78

ST-20-13	CHLORIDE
2	63.2
6	241
10	105
14	25.8
18	38.1
22	7.44
18	7.50

CT-10-13	CHLORIDE
2	3.43
6	4.96
10	4.28
14	6.39
18	7.79
22	6.89
18	7.26

ST-12-13	CHLORIDE
2	18.7
6	21.3
10	22.6
14	19
18	23.2
22	7.84
18	7.34

ST-11-13	CHLORIDE
2	7.68
6	19.5
10	4.05
14	4.64
18	5.19
22	21.8
18	7.65

CT-05-13	CHLORIDE
2	6.97
6	17.5
10	25.8
14	24.6
18	26.6
22	17.4
18	14.1

CT-08-13	CHLORIDE
2	6.33
6	16.6
10	7.98
14	18.2
18	56.7
22	35.1
18	30.1

CT-09-13	CHLORIDE
2	7.52
6	18.3
10	4.51
14	4.92
18	7.09
22	9.65
18	11.8

CT-01-13	CHLORIDE
2	16.6
6	18.9
10	21.1
14	81.3
18	67.6
22	118
18	25.2

CT-02-13	CHLORIDE
2	16.9
6	19.9
10	17.6
14	17.8
18	3.96
22	4.53
18	3.76

CT-03-13	CHLORIDE
2	7.16
6	26.7
10	48.6
14	11.6
18	8.25
22	3.86
18	4.84

CT-04-13	CHLORIDE
2	3.14
6	17.1
10	16.4
14	145
18	66.6
22	31.2
18	17.2

CT-06-13	CHLORIDE
2	3.67
6	17.4
10	16.7
14	25.4
18	22.3
22	24.1
18	18.9

CT-07-13	CHLORIDE
2	21.6
6	21.4
10	6.15
14	4.81
18	7.8
22	38.4
18	30.4

0 50 150ft

METAL DETECTION (mV)

2000
1750
1500
1250
1000
750
500
250
0

SUBSURFACE SOIL IDENTIFICATION

CT-01-13	CHLORIDE	← PARAMETER SAMPLED
2	16.6	
6	18.9	
10	21.1	
14	81.3	
18	67.6	
22	118	
18	25.2	

CONCENTRATION (mg/kg)
BORING SAMPLE DEPTH (feet)

figure 4

LEGEND

- Proposed Boring Location
- Sump Tank Sprinkler System
- Cooling Tower Sprinkler System
- Approximate Site Boundary

NOTES:

Locations of sprinkler systems are approximate and base on a schematic from Getty Oil Company, 1980.

Highlighted Chloride values exceed NMOCD Remediation Action Levels < 50 feet from groundwater.

EM61 METAL DETECTION SURVEY (~ 10 FEET BG) AND CHLORIDE SOIL ANALYTICAL RESULTS FORMER EUNICE NORTH GAS PLANT EUNICE, LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

TABLES

TABLE 1

SOIL BORING ANALYTICAL RESULTS
CHLORIDE SOIL CONCENTRATIONS
FORMER CHEVRON NORTH EUNICE GAS PLANT
EUNICE, NEW MEXICO

Sample Depth (Feet below grade)	CT-01-13	CT-02-13	CT-03-13	CT-04-13	CT-05-13	CT-06-13	CT-07-13	CT-08-13	CT-09-13	CT-10-13	ST-11-13	ST-12-13	ST-13-13	ST-14-13	ST-15-13	ST-16-13	ST-17-13	ST-18-13	ST-19-13	ST-20-13
2	16.6	16.9	7.16	3.14	6.97	3.67	21.6	6.33	7.52	3.43	7.68	18.7	149	4.38	28.0	24.3	48.8	7.09	4.51	63.2
6	18.9	19.9	26.7	17.1	17.5	17.4	21.4	16.6	18.3	4.96	19.5	21.3	520	7.33	39.1	73.7	52.9	6.58	8.23	241
10	21.1	17.6/17.2	48.6	16.4	25.8	16.7	6.15	7.98	4.51	4.28	4.05	22.6	44.3	4.47	89.6	72.4	20.3	7.02	20.0	105
14	81.3	17.8	11.6	145	24.6	25.4	4.81/19.5	18.2	4.92	6.39	4.64	19	101	3.97	90.9	84.6	24.3	6.26	5.83/19.1	25.8
18	67.6	3.96	8.25	66.6	26.6	22.3	7.80	56.7	7.09	7.79	5.19	23.2	70.5	4.00	228	98.3	28.6	5.39	18.9	38.1
22	118	4.53	3.86	31.2	17.4	24.1	38.7	35.1	9.65	6.89	21.8	7.84	33.3	3.93	95.1	57.5	21.4	5.40	5.52	7.44
26	25.2	3.76	4.84/4.21	17.2	14.1	18.9	30.4	30.1	11.8	7.26	7.65/7.21	7.34	46.4	3.64/50.5	131	34.8/3.82	20.8	4.52	4.78	7.50

Notes: - Soil samples collected from July 10, 2013 and July 12, 2013.
- Highlighted chloride soil values exceed NMOCD Remediation Action Levels <50 feet from groundwater of 250 mg/kg.
- ##.# / ##.# - Indicates a duplicate sample was colelcted and analyzed.
- Concentrations presented in milligrams per kilogram (mg/kg).

APPENDICES

APPENDIX A

New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John H. Bemis
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division

JANUARY 11, 2012

CERTIFIED MAIL
RETURN RECEIPT NO: 0919 5860

Mr. Matthew Hudson
Remediation Project Manager
Chevron Environmental Management Company
1400 Smith St, Room 07076
Houston, TX 77002

RE: OCD'S RESPONSE TO COMMENTS OF SEPTEMBER 28, 2011
OCD'S DRAFT APPROVAL FOR DISCHARGE PLAN RENEWAL
DISCHARGE PERMIT GW-004, CHEVRON U.S.A, INC. - EUNICE NORTH GAS PLANT, SECTION 28, TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM, LEA COUNTY, NEW MEXICO AND
OCD APPROVAL OF DISCHARGE PERMIT RENEWAL:

Dear Mr. Hudson:

On August 15, 2011, the Oil Conservation Division (OCD) proposed to approve the renewal of Chevron U.S.A, Inc.'s (Owner/Operator) discharge permit for the above referenced facility, pursuant to the Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 - 20.6.2.3114 NMAC. Chevron reviewed the draft discharge permit and provided OCD with comments on September 28, 2011. OCD has reviewed Chevron's comments and prepared this response to Chevron's comments.

Chevron's Comment 1: 1.A Permittee and Permitted Facility: *There appears to be a typo/missing word in the last sentence of the second paragraph, which should read "The discharge plan specifies that Chevron will remediate ground water at the site..." (the word "water" appears to be missing).*

OCD's Response to Chevron's Comment 1: OCD has corrected this typo.

Chevron's Comment 2: 1.E Filing Fees and Permit Fees: *The NMOCD's Discharge Plan Renewal cover letter dated August 15, 2011 acknowledges that the "OCD has received Chevron's request and initial fee to renew GW-004." The $100.00 application fee was submitted*

by Chevron with the application in December 2010, and a receipt of the filing fee has been posted to the NMOCD's website. Please verify that the initial application fee was included with the renewal application.

OCD's Response to Chevron's Comment 2: After review, OCD has determined that Chevron did pay the $100.00 filing fee and has corrected the final permit accordingly. OCD also changed the permit to specify that Chevron must submit a fee of $2,600.00 rather than $2,700.00.

Chevron's Comment 3: Permit Condition 2.A.1 - Ground Water Monitoring System: *Per the previous approved Groundwater Discharge Permit GW-004, dated March 16, 2008, Chevron conducted a chloride source investigation to identify potential source areas within the plant boundaries. Those activities were summarized in a report Eunice North Chlorides Investigation Report (Stantec, October 2010) which was submitted to NMOCD. Data presented within this report indicate dissolved chlorides are a regional groundwater issue, and the source of the chloride levels in groundwater is not associated with historical activities at the former plant location. Chevron recommends that chlorides be eliminated from the future monitoring and reporting plan for GW-004.*

OCD's Response to Chevron's Comment 3: Although OCD has not yet completed its review of the Chevron's October 2010 report submitted on its behalf by Stantec, OCD has not made the requested change because of a file review. OCD's files include a letter from Getty dated of September 3, 1980 (Attachment 1), with a map of the Getty Eunice No. Gas Plant (now Chevron's Eunice North Gas Plant - GW-004) that clearly depicts that Getty was systematically disposing of cooling tower blowdown waste water and other waste water derived from a "sump tank" directly to the ground onsite in two "sprinkler systems." The 1980 letter included an analyses of the "process, boiler blowdown, and cooling tower blowdown" waste water which indicates that the concentration of the chlorides in the waste water being disposed of in the two sprinkler systems ranged from 1318 to 3612 mg/l. OCD's understanding is that the North Gas Plant disposed of various waste water streams by direct discharging to the ground using two sprinkler systems for an extended period of time - possibly from its startup date and continuing until 1980, a period of more than 30 years. The 2010 Stantec report may well indicate other potential oil and gas sites that may have contributed to the local ground water contamination. However, that does not mean that Chevron is not responsible for the chloride plume given the known discharge of various waste waters by Getty at this site for such an extended period of time.

Chevron's Comment 4: Permit Condition 2.H: *Per the previous approved Groundwater Discharge Permit GW-004, dated March 16, 2008, Chevron conducted a chloride source investigation to identify potential source areas within the plant boundaries. Those activities were summarized in a report Eunice North Chlorides Investigation Report (Stantec, October 2010) which was submitted to NMOCD. Data presented within this report indicate dissolved chlorides are a regional groundwater issue, and the source of the chloride levels in groundwater is not associated with historical activities at the former plant location. Chevron recommends that chlorides be eliminated from the future monitoring and reporting plan for GW-004.*

OCD Response to Chevron's Comment 4: OCD did not make the requested change because Chevron is responsible for chloride contamination at its North Eunice Gas Plant (see OCD Response to Chevron's Comment 3 above).

OTHER CHANGES: OCD made other changes to Chevron's permit as a result of comments made by other operators on similar permits. These changes are as follows:

OCD Change 1: OCD revised Section 2 by correcting several incorrect subsections.

OCD Change 2: OCD revised Permit Condition 2.H (formerly 2.I) by removing GRO/DRO and TPH.

OCD APPROVAL OF DISCHARGE PERMIT RENEWAL: Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby approves the discharge permit for Chevron (Owner/Operator) for the above referenced facility, as revised in response to Chevron's and others comments. Attached are two copies of the discharge permit. Please sign and return one copy to Oil Conservation Division's Santa Fe Office within 45 days of receipt of this letter including permit fees.

Please be advised that approval of this discharge permit does not relieve Chevron of responsibility if operations result in pollution of surface water, ground water, or the environment. Nor does approval of the discharge permit relieve Chevron of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Leonard Lowe of my staff at (505-476-3492) or E-mail leonard.lowe@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Jami Bailey
Director

JB/gvg

cc: Daniel Sanchez, OCD
Gabrielle Gerholt, OCD

Attachment (1)

ATTACHMENT 1

GW-004
Gen Con 2007-1980
P.516

Getty

Getty Oil Company | P.O. Box 3000, Tulsa, Oklahoma 74102 • Telephone: (918) 560-6380

Natural Gas Plants Department

September 3, 1980

Not official.
Discussion copy only.

State of New Mexico
Energy and Minerals Department
Water Quality Control Commission
Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey
Director

Re: Water Discharge Plan
Getty Oil Company
Eunice No. 1 and No. 2 Gas Plants

Dear Mr. Ramey:

Eunice No. 1 Gas Plant:

1. Redirect process and waste water from unlined pits "A & B" to lined pit "C" before injecting into disposal well along with salt water.

2. Close pits "A" & "B".

3. Field oil pit "D" has already been closed.

Eunice No. 2 Gas Plant:

1. The process water and boiler blow down discharge will be routed to a new lined pit. The flow is estimated to be 500 GPD without steam tracing condensate. If during the period that steam tracing is required and the flow exceeds evaporation rates, the process water will be hauled to the Eunice No. 1 plant for injection into the disposal well. Unlined pit "E" will be closed. None of the above water is to be used to sprinkle grass.

2. (a) Cooling tower water blow down treatment will be changed from Chromate to Phosphates.

   (b) A variance is requested from present Water Quality Control Commission concentration limits to five (5) times the fresh water concentrations on total dissolved solids and chlorides for water that is used to sprinkle grass.

The fresh water supply runs from 255 to 300 mg/l and the total dissolved solids average about 1,800 mg/l.

The above variance would conserve the use of the Lea County ground water supply yet be an improvement over previous discharges at the Eunice No. 2 Gas Plant.

The cooling tower make-up during the summer at the No. 2 plant averages 800,000 gallons of water per week. Ninety-five percent of this water is supplied from Getty water wells with the remainder from City water supply. A variance of only two (2) concentrations would increase the water demand to 2,000,000 gallons per week.

The maximum output from the Eunice No. 2 Gas Plant water wells is 100 gpm or 1,008,000 gallons per week. A rate of 80 gpm would be maximum for extended periods of time.

Very truly yours,
GETTY OIL COMPANY

Charles R. York

CHARLES R. YORK
ENVIRONMENTAL COORDINATOR

CRY:sd

cc: Mr. J. H. Anderson)w/attach.
Mr. C. F. Gee)w/attach.
Mr. T. L. Trainor)w/attach.

Pampa, Texas 79065

REPORT OF ANALYSIS

SAMPLE SERIAL NO. 5708 ANALYSIS NO.

SAMPLE OF Process, Boiler Blowdown and Cooling Tower Blowdown

FROM: Eunice G.P. #2

SECURED BY: Boehmisch & York

DATE SECURED: 7-15-80

DATE RECEIVED: 7-16-80

ANALYSIS COMPLETED: 7-22-80

ANALYST: Gortmaker-Burgess

CHECKED BY: JWB DATE: 7-22-80

APPROVED BY: JWB DATE: 7-22-80

ANALYSIS REQUESTED BY: C. R. York

RESULTS TO: J. H. Anderson
W. A. Smith
C. R. York
SS File
NGPL File

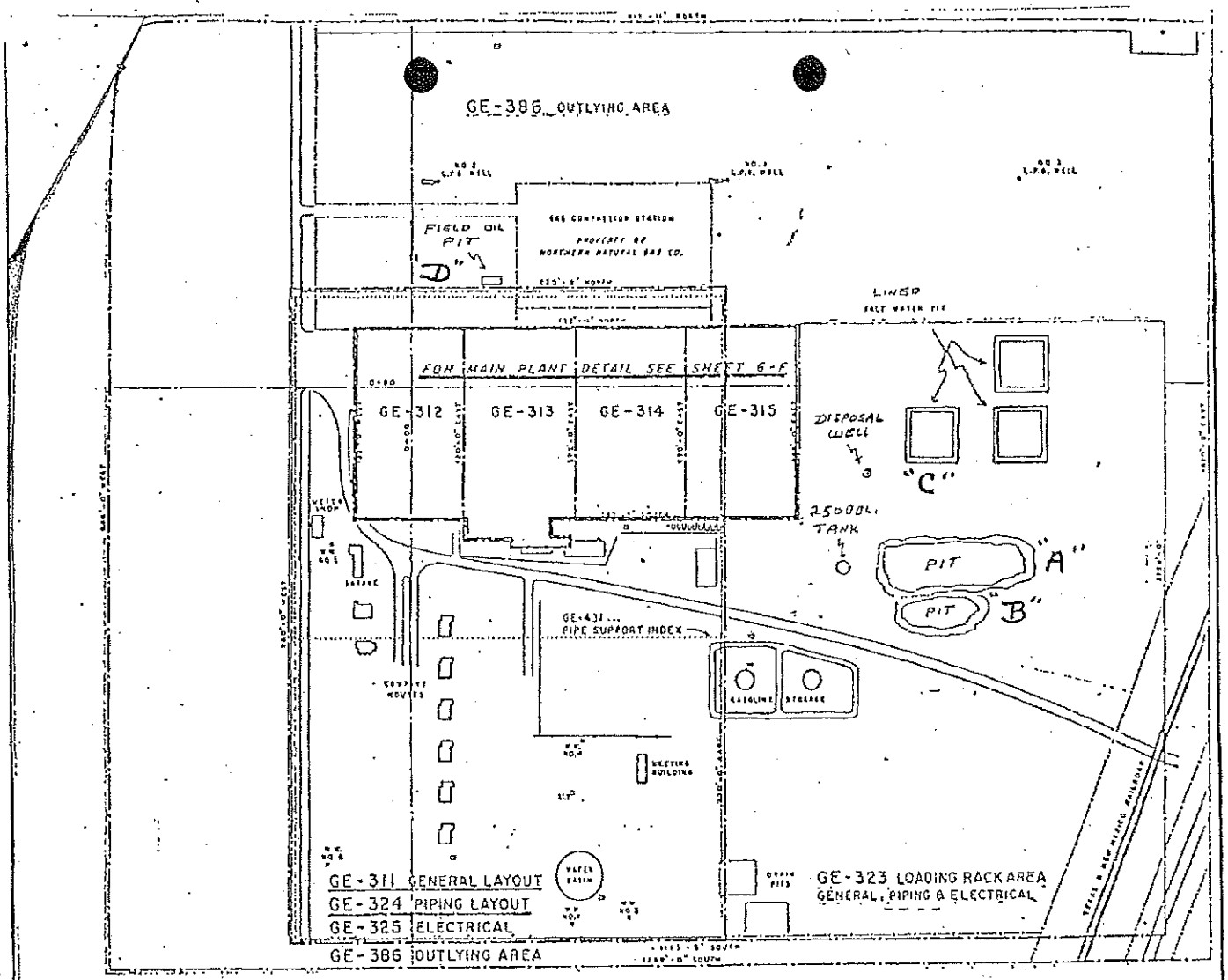
DATE OF REPORT: 7-23-80

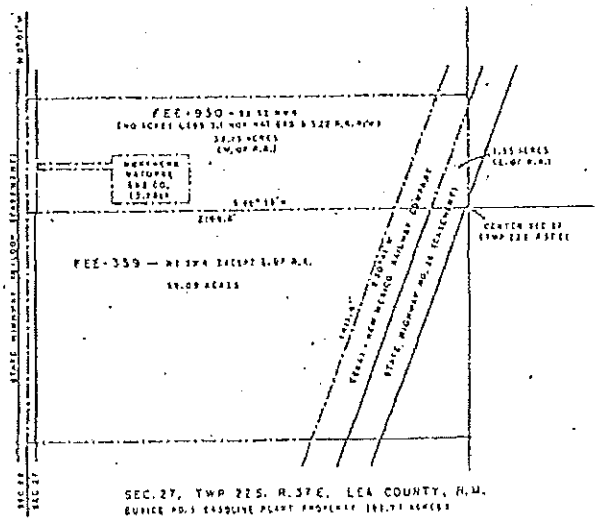
CORRECTED COPY

ANALYSIS

Effluent Characteristics	Process Water & Boiler Blowdown	Cooling Tower Blowdown	New Mexico Limits*
pH	9.35	6.30	6.0 - 9.0
BOD_5 mg/l	125.00	1.35	< 30
COD mg/l	560.00	96.50	< 125
Oil & grease mg/l	33.50	.30	---
Chromium mg/l	15.20	15.90	.05
Cadmium mg/l	.07	.04	.01
Silver mg/l	.02	.04	.05
Lead mg/l	.20	.25	.05
Chloride mg/l	3612.00	1318.00	250
Copper mg/l	.09	.09	1.00
Iron mg/l	.57	.30	1.00
Zinc mg/l	1.45	.72	10.00
Nickel mg/l	.12	.10	.20
T.D.S. µmhos/cm	10870.00	5850.00	10000.00

* The New Mexico limits will depend on which Water Quality Control regulations apply.





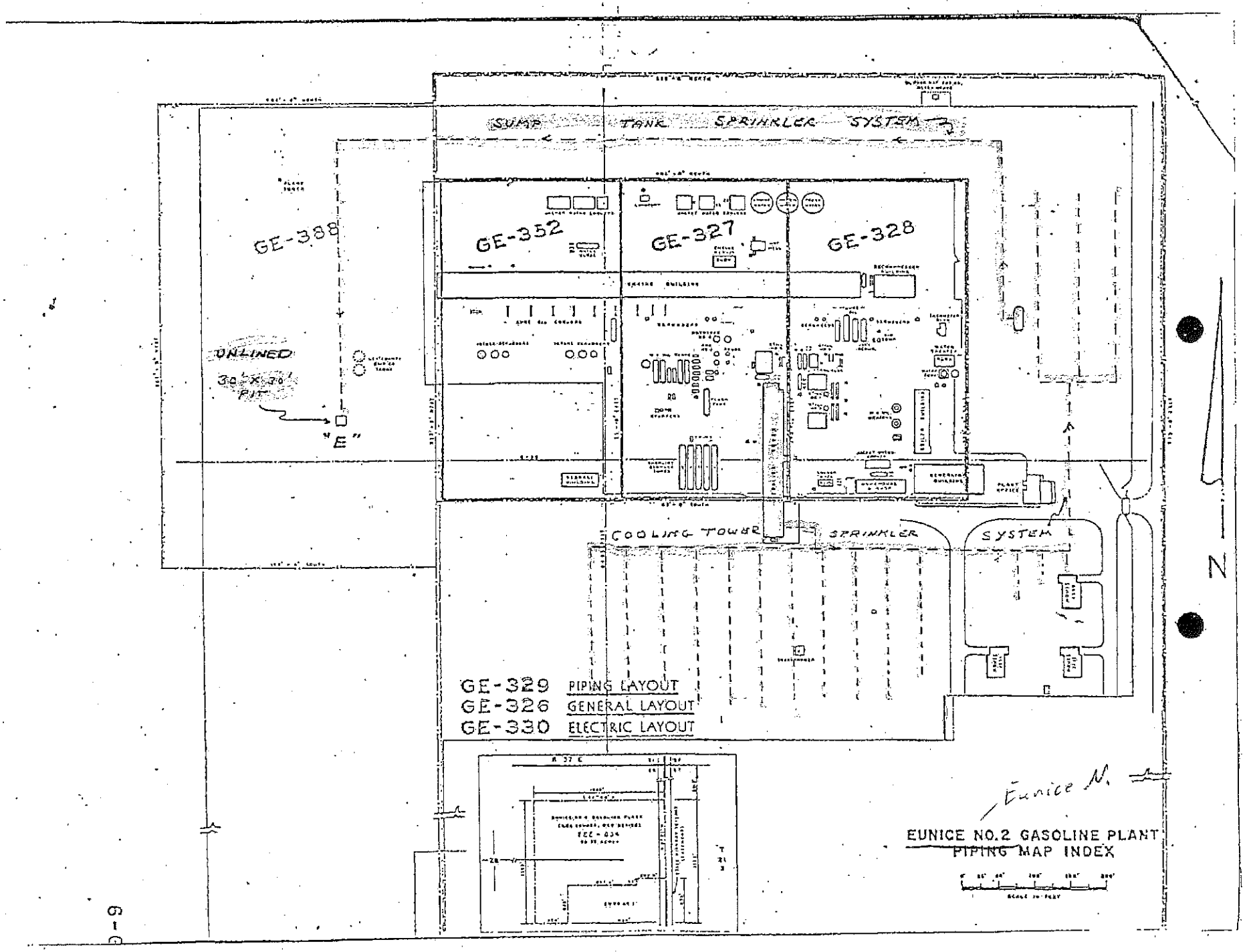
SEC. 27, TWP 22S, R.37E, LEA COUNTY, N.M.
EUNICE NO. 1 GASOLINE PLANT PROPERTY 180.71 ACRES

Eunice S.

EUNICE NO. 1 GASOLINE PLANT
PIPING MAP INDEX.

SCALE IN FEET

6-E


SUMP TANK SPRINKLER SYSTEM
GE-388
GE-352
GE-327
GE-328
UNLINED
30' X 70'
PIT
"E"
COOLING TOWER SPRINKLER SYSTEM
N
GE-329 PIPING LAYOUT
GE-326 GENERAL LAYOUT
GE-330 ELECTRIC LAYOUT
Eunice N.
EUNICE NO.2 GASOLINE PLANT
PIPING MAP INDEX

Chevron

Matthew P. Hudson
Remediation Project Manager

Upstream Business Unit
Chevron Environmental Management Company
1400 Smith St
Room 07076
Houston, TX 77002
Tel 713 372 9207
mhudson@chevron.com

September 28, 2011

Mr. Leonard Lowe
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1200 South Francis Drive
Santa Fe, New Mexico 87505

RE: **Comments on DRAFT Approval for Discharge Plan Renewal Permit GW-004**
Former Eunice North Gas Plant
Lea County, New Mexico

Dear Mr. Lowe:

Chevron U.S.A. Inc (Chevron) is please to provide the New Mexico Oil Conservation Division (NMOCD) comments to the DRAFT Approval Discharge Plan Renewal Permit GW-004 for the former Eunice North Gas Plant. The plant is located approximately 0.25 miles north of Eunice in the NE/4 of the SE/4 of Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

Specific comments to items in the Draft Discharge Permit:

1. 1.A *Permittee and Permitted Facility*

   Comment – There appears to be a typo/missing word in the last sentence of the second paragraph, which should read "The discharge plan specifies that Chevron will remediate ground water at the site..." (the word "water" appears to be missing).

2. 1.E *Filing Fees and Permit Fees*

   Currently Stated – "OCD has not received the required $100.00 filing fee for this application."

   Comment – The NMOCD's Discharge Plan Renewal cover letter dated August 15, 2011 acknowledges that the "OCD has received Chevron's request and **initial fee** to renew GW-004." The $100.00 application fee was submitted by Chevron with the application in December 2010, and a receipt of the filing fee has been posted to the NMOCD's website. Please verify that the initial application fee was included with the renewal application.

3. *2.A.1. Ground Water Monitoring System*

   Currently Stated - "The Owner/Operator shall monitor and sample all ground waste monitor wells in accordance with its approved ground water abatement program, including the monitor wells for the hydrocarbon plume, **the chloride plume**, and the chromium plume."

4. *2.I.1. Third Bullet Item- Annual Report*

   Currently Stated - "Semi-annual isopleths maps for the following constituents: non-aqueous phase liquids; **chlorides**; GRO/DRO; Chromium; and, BTEX."

   Comments to both sections referenced above (2.A.1. & 2.I.1.)

   Per the previous approved Groundwater Discharge Permit GW-004, dated March 16, 2008, Chevron conducted a chloride source investigation to identify potential source areas within the plant boundaries. Those activities were summarized in a report *Eunice North Chlorides Investigation Report* (Stantec, October 2010) which was submitted to NMOCD. Data presented within this report indicate dissolved chlorides are a regional groundwater issue, and the source of the chloride levels in groundwater is not associated with historical activities at the former plant location. Chevron recommends that chlorides be eliminated from the future monitoring and reporting plan for GW-004.

Should you have any questions or concerns, please do not hesitate to contact me at (713) 372-9207.

Sincerely,

Matthew P. Hudson

Enclosure

DISCHARGE PERMIT GW-004

1. GENERAL PROVISIONS:

A. PERMITTEE AND PERMITTED FACILITY: The Oil Conservation Division (OCD) of the Energy, Minerals and Natural Resources Department issues Discharge Permit GW-004 (Discharge Permit) to Chevron U.S.A., Inc. (Owner/Operator), located at 1400 Smith Street, Houston, Texas 77002 to abate ground water and vadose zone contamination at its Eunice North Gas Plant (Facility) located at State Highway 207 (Eunice-Hobbs Highway) Eunice, New Mexico 88231 in the NE/4 of the SE/4 of Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

As a result of historical operations at the site, Chevron is proposing to remediate chromium contaminated ground water by injecting 5 percent solution of sodium dithionite and/or a 10 percent soy lactate solution in injection wells to remediate contaminated ground water. Chevron will mix 2800 gallons fresh water with a five percent solution of sodium dithionite and/or mix 2800 gallons fresh water with ten percent soy lactate solution to generate a solution which will then be discharged into the Ogallala aquifer. The ground water will be sampled to determine the effectiveness of the discharged solution to remediate the chromium contamination. The depth to ground water in the Ogallala aquifer is 37 to 73 feet below the surface and the background total dissolved solids concentration is approximately 1,200 mg/L. The discharge plan specifies that Chevron will remediate contaminated ground at the site to meet the standards specified in the Water Quality Control Commission regulations (20.6.2.3103 NMAC).

B. SCOPE OF PERMIT: OCD has been granted authority to administer the Water Quality Act (Chapter 74, Article 6 NMSA 1978) as it applies to gas processing plants by statute and by delegation from the Water Quality Control Commission pursuant to Section 74-6-4(E) NMSA 1978.

The Water Quality Act and the rules issued under that Act protect ground water and surface water of the State of New Mexico by providing that, unless otherwise allowed by rule, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into ground water unless such discharge is pursuant to an approved discharge plan. See 20.6.2.3104 NMAC and 20.6.2.3106 NMAC.

This Discharge Permit does not authorize any treatment of, or on-site disposal of, any materials, product, by-product, or oil field waste, including, but not limited to, the on-site disposal of lube oil, glycol, antifreeze, filters, elemental sulfur, washdown water, contaminated soil, and cooling tower blowdown water.

This Discharge Permit does not convey any property rights of any sort nor any exclusive privilege, and does not authorize any injury to persons or property, any invasion of other private rights, or any infringement of state, federal, or local laws, rules or regulations.

The Owner/Operator shall operate in accordance with the Discharge Permit conditions to comply with the Water Quality Act and the rules issued pursuant to that Act, so that neither a hazard to public health nor undue risk to property will result (see 20.6.2.3109C NMAC); so that no discharge will cause or may cause any stream standard to be violated (see 20.6.2.3109H(2) NMAC); so that no discharge of any water contaminant will result in a hazard to public health, (see 20.6.2.3109H(3) NMAC); and so that the numerical standards specified of 20.6.2.3103 NMAC are not exceeded.

The Owner/Operator shall not allow or cause water pollution, discharge, or release of any water contaminant that exceeds the Water Quality Control Commission (WQCC) standards specified at 20.6.2.3101 NMAC and 20.6.2.3103 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams).

C. **DISCHARGE PERMIT CONDITIONS:** By signing this Discharge Permit, the Owner/Operator agrees to the specific provisions set out in this document, and the commitments made in the approved Discharge Plan Application and the attachments to that application, which are incorporated into the Discharge Permit by reference.

If this Discharge Permit is a permit renewal, it replaces the permit being renewed. Replacement of a prior permit does not relieve the Owner/Operator of its responsibility to comply with the terms of that prior permit while that permit was in effect.

D. **DEFINITIONS:** Terms not specifically defined in this Discharge Permit shall have the same meanings as those in the Water Quality Act or the rules adopted pursuant to that Act, as the context requires.

E. **FILING FEES AND PERMIT FEES:** Pursuant to 20.6.2.3114 NMAC, every facility that submits a discharge permit application for initial approval or renewal shall pay the permit fees specified in Table 1 and the filing fee specified in Table 2 of 20.6.2.3114 NMAC. OCD has already received the required $100.00 filing fee for this application. The flat fee for "Abatement of Ground Water and Vadose Zone Contamination at Oil and Gas Sites" is $2,600.00. The Owner/Operator shall submit this amount along with the signed Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

F. **EFFECTIVE DATE, EXPIRATION, RENEWAL CONDITIONS, AND PENALTIES FOR OPERATING WITHOUT A DISCHARGE PERMIT:** This Discharge Permit is effective when the Division's Environmental Bureau receives the signed Discharge Permit from the Owner/Operator and the $2,600.00 fee. This Discharge Permit will expire on March 16, 2016. The Owner/Operator shall submit an application for renewal no later than 120 calendar days before that expiration date, pursuant to 20.6.2.3106F NMAC. If an Owner/Operator submits a renewal application at least 120 calendar days before the Discharge Permit expires and is in compliance with the approved Discharge Permit, then the existing Discharge Permit will not expire until OCD has approved or disapproved the renewal application. Operating with an expired Discharge Permit may subject the Owner/Operator to

civil and/or criminal penalties. See Section 74-6-10.1 NMSA 1978 and Section 74-6-10.2 NMSA 1978.

G. **MODIFICATIONS:** The Owner/Operator shall notify the Division's Environmental Bureau of any facility expansion, production increase, or process modification that would result in any significant modification in the discharge of water contaminants. See 20.6.2.3107C NMAC. The Division's Environmental Bureau may require the Owner/Operator to submit a permit modification pursuant to 20.6.2.3109E NMAC and may modify or terminate a permit pursuant to Section 74-6-5(M) through (N) NMSA 1978.

H. **TRANSFER OF DISCHARGE PERMIT:** Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of the Facility, the transferor shall notify the transferee in writing of the existence of the Discharge Permit, and shall deliver or send by certified mail to the Division's Environmental Bureau a copy of such written notification, together with a certification or other proof that such notification has been received by the transferee pursuant to 20.6.2.3111 NMAC. Upon receipt of such notification, the transferee shall inquire into all of the provisions and requirements contained in the Discharge Permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the Division's file or files concerning the Discharge Permit. Upon assuming either ownership or possession of the Facility the transferee shall have the same rights and responsibilities under the Discharge Permit as were applicable to the transferor. See 20.6.2.3111 NMAC.

Transfer of the ownership, control, or possession of the Facility does not relieve the transferor of responsibility or liability for any act or omission which occurred while the transferor owned, controlled, or was in possession of the Facility. See 20.6.2.3111E NMAC.

I. **CLOSURE PLAN AND FINANCIAL ASSURANCE:** The Owner/Operator shall notify the Division's Environmental Bureau in writing when any operations of its Facility are to be discontinued for a period in excess of six months. Upon review of the Owner/Operator's notice, the Division's Environmental Bureau will determine whether to modify this permit pursuant to 20.6.2.3107 NMAC and 20.6.2.3109E NMAC or to require the Owner/Operator to submit a closure plan and/or post-closure plan, including financial assurance.

J. **COMPLIANCE AND ENFORCEMENT:** If the Owner/Operator violates or is violating a condition of this Discharge Permit, the Division's Environmental Bureau may issue a compliance order requiring compliance immediately or within a specified time period, suspending or terminating this Discharge Permit, and/or assessing a civil penalty. See Section 74-6-10 NMSA 1978. The Division's Environmental Bureau may also commence a civil action in district court for appropriate relief, including injunctive relief. See Section 74-6-10(A)(2) NMSA 1978 and Section 74-6-11 NMSA 1978. The Owner/Operator may be subject to criminal penalties for discharging a water contaminant without a discharge permit or in violation of a condition of a discharge permit; making any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the Water Quality Act; falsifying, tampering with

or rendering inaccurate any monitoring device, method or record required to be maintained under the Water Quality Act; or failing to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. See Section 74-6-10.2 NMSA 1978.

2. GENERAL FACILITY OPERATIONS:

A. OPERATIONAL MONITORING: The Owner/Operator shall comply with its approved monitoring programs pursuant 20.6.2.3107 NMAC.

1. Ground Water Monitoring System: The Owner/Operator shall monitor and sample all ground water monitor wells in accordance with its approved ground water abatement program, including the monitor wells for the hydrocarbon plume, the chloride plume, and the chromium plume.

2. Installation of Monitor Wells Near Injection Wells IW023 and IW024:

a. The Owner/Operator shall install three monitor wells near Injection Well IW023 and three monitor wells near Injection Well IW024 in accordance with its renewal application of December 6, 2010.

b. The Owner/Operator shall monitor the near monitor wells to determine whether it has achieved its primary objectives as specified in its renewal application of December 6, 2010.

3. Dithionite Injection Pilot Study Monitoring

a. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitoring wells hourly for pH, DO, ORP, conductivity, and temperature.

b. Post-Injection Monitoring and Sampling: The Owner/Operator shall sample the three monitor wells and IW023 monthly for 3 months after the injection, using the injection and monitoring wells, to evaluate the effectiveness of the sodium dithionite treatment. Ground water samples will be collected and analyzed for total and hexavalent chromium, bromide, sulfate, sulfide, total organic carbon, sodium, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO and ORP).

4. Biodegradation Pilot Study

a. Baseline Sampling: Prior to the injection of a soy-lactate solution, the Owner/Operator shall sample and analyze IW023 and the three monitoring wells for total and hexavalent chromium, sulfate, sulfide, ammonia-nitrogen, orthophosphate-phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

b. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitor wells hourly for pH, DO, ORP, conductivity, and temperature.

c. Post -Injection Monitoring and Sampling: The Owner/Operator shall sample the IW024 and the three monitoring wells to evaluate the treatment effectiveness. Ground water samples will be collected for successive quarters after the injection event and analyzed for total and hexavalent chromium, sulfate, sulfide, ammonia -nitrogen, orthophosphate - phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

B. CONTINGENCY PLANS: The Owner/Operator shall implement its approved Contingency Plans to cope with failure of the discharge permit or system in accordance with Permit Condition 2.F.

C. CLOSURE PLAN: After completing abatement of all ground water and vadose contamination required under Permit Condition 2.G, the Owner/Operator shall perform the following closure measures:

1. Remove or plug all lines leading to and from ground water recovery or injection wells so that a discharge can no longer occur.

2. Remove all abatement system components from the site, if applicable.

3. After receiving notification from the Division's Environmental Bureau that post-closure monitoring may cease, the Owner/Operator shall plug and abandon its monitor well(s).

D. RECORD KEEPING: The Owner/Operator shall maintain records of all inspections required by this Discharge Permit at its local office located at 240 Avenue O, Eunice, NM 88231 for a minimum of five years and shall make those records available for inspection by the Division's Environmental Bureau.

E. RELEASE REPORTING: The Owner/Operator shall comply with the following permit conditions, pursuant to 20.6.2.1203 NMAC, if it determines that a release of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, has occurred. The Owner/Operator shall report unauthorized releases of water contaminants in accordance with any additional commitments made in its approved Contingency Plan. If the Owner/Operator determines that any constituent exceeds the standards specified at 20.6.2.3103 NMAC, then it shall report a release to the Division's Environmental Bureau.

1. Oral Notification: As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, the Owner/Operator shall orally notify the Division's Environmental Bureau. The Owner/Operator shall provide the following:

- the name, address, and telephone number of the person or persons in charge of the facility, as well as of the Owner/Operator of the facility;
- the name and location of the facility;

- the date, time, location, and duration of the discharge;
- the source and cause of discharge;
- a description of the discharge, including its chemical composition;
- the estimated volume of the discharge; and,
- any actions taken to mitigate immediate damage from the discharge.

2. **Written Notification:** Within one week after the Owner/Operator has learned of the discharge, the Owner/Operator shall send written notification to the Division's Environmental Bureau verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification.

F. **ABATEMENT PLAN:** Pursuant to 20.6.2.4105A(6) NMAC, an Owner/Operator is exempt from the requirement to obtain and implement an Abatement Plan, as required in 20.6.2.4104.NMAC. However, an Owner/Operator's Discharge Permit must address abatement of contaminated ground water and be consistent with the requirements and provisions of Sections 20.6.2.4101, 20.6.2.4103, Subsections C and E of Section 20.6.2.4106, Sections 20.6.2.4107 and 20.6.2.4112 NMAC.

1. **Purpose of Abatement Plan:** The Owner/Operator shall abate polluted ground water so as to either remediate or protect the ground water for use as domestic and agricultural water supply.

2. **Abatement Standards and Requirements:** The Owner/Operator shall abate the vadose zone so that water contaminants in the vadose zone shall not contaminate ground water or surface water, through leaching, percolation or as the water table elevation fluctuates. The Owner/Operator, where the Total Dissolved Solids concentration is 10,000 mg/L or less, shall abate contaminated ground water so that toxic pollutant(s), as defined in 20.6.2.7WW NMAC, shall not be present and so that the standards of 20.6.2.3103 NMAC shall be met.

3. **Ground Water Abatement:** The Owner/Operator shall implement its approved ground water abatement program until it has remediated the contaminated ground water to meet the standards and requirements set forth in 20.6.2.4103 NMAC.

4. **Completion and Termination:** Pursuant to 20.6.2.4112 NMAC, abatement shall be considered complete when the standards and requirements specified in 20.6.2.4103 NMAC are met. At that time, the Owner/Operator shall submit an abatement completion report, documenting compliance with the standards and requirements set forth in 20.6.2.4103 NMAC and this Discharge Permit, to Division's Environmental Bureau for approval. The abatement completion report also shall propose any changes to long term monitoring and site maintenance activities, if needed, to be performed after termination of the abatement plan.

G. **OTHER REQUIREMENTS:**

1. **Inspection and Entry:** Pursuant to 20.6.2.4107A NMAC, the Owner/Operator shall allow the Division's Environmental Bureau, upon the presentation of proper credentials, to:

- enter the facility at reasonable times;
- inspect and copy records required by this discharge permit;
- inspect any treatment works, monitoring, and analytical equipment;
- sample any wastes, ground water, surface water, stream sediment, plants, animals, or vadose-zone material including vadose-zone vapor;
- use the Owner/Operator's monitoring systems and wells in order to collect samples; and
- gain access to off-site property not owned or controlled by the Owner/Operator, but accessible to the Owner/Operator through a third-party access agreement, provided that it is allowed by the agreement.

2. **Advance Notice:** Pursuant to 20.6.2.4107B NMAC, The Owner/Operator shall provide the Division's Environmental Bureau with at least four (4) working days advance notice of any sampling to be performed pursuant to this Discharge Permit, or any well plugging, abandonment or destruction at the facility site.

3. **Plugging and Abandonment:** Pursuant to 20.6.2.4107C NMAC, the Owner/Operator shall request by certified mail, approval by the Division's Environmental Bureau to plug and abandon a monitor well, unless such approval is required from the State Engineer. The proposed action shall be designed to prevent water pollution that could result from water contaminants migrating through the well or borehole. The proposed action shall not take place without written approval from the Division's Environmental Bureau, unless written approval or disapproval is not received by the Owner/Operator within thirty (30) days of the date of receipt of the proposal.

H. **ANNUAL REPORT:** The Owner/Operator shall submit its annual report for each calendar year pursuant to 20.6.2.3107 NMAC to the Division's Environmental Bureau by March 15th of the following year. The annual report shall include the following:

1. Results of its ground water monitoring program; including:

- summary tables listing laboratory analytic results of all ground water and soil samples. Any WQCC constituent found to exceed the groundwater standard shall be highlighted and noted in the annual report. Copies of the most recent year's laboratory analytical data sheets shall also be submitted.
- annual water table potentiometric maps. A corrected water table elevation shall be determined for all wells containing non-aqueous phase liquids. These maps shall show well locations, pertinent site features, and the direction and magnitude of the hydraulic gradient.
- semi-annual isopleth maps for the following constituents: non-aqueous phase liquids, chlorides, chromium, and, BTEX.

- semi-annual geologic cross-sections (both dip and strike), using the geologic/lithologic logs from the monitor, recovery, and injection wells, depicting the concentrations for the following constituents: non-aqueous phase liquids; chlorides; chromium; and, BTEX.
- estimate or measure of the volume of the solutions discharged during each quarter and the total volume discharged to date.

2. Summary of any releases and corrective actions taken in accordance with its approved Contingency Plan.

3. **CLASS V WELLS:** Pursuant to 20.6.2.5002B NMAC, leach fields and other wastewater disposal systems at Division-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are UIC Class V injection wells, including ground water management wells. This Discharge Permit does not authorize the use of a Class V injection well for the disposal of industrial waste at the Facility. Pursuant to 20.6.2.5005 NMAC, the Owner/Operator shall close any Class V industrial waste injection wells at its Facility that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes (*e.g.*, septic systems, leach fields, dry wells, *etc.*) other than the injection remediation wells within 90 calendar days of the issuance of this Discharge Permit. The Owner/Operator shall document the closure of any Class V wells used for the disposal of non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes other than contaminated ground water in its Annual Report.

Other Class V wells, including wells used only for the injection of domestic wastes, must be permitted by the New Mexico Environment Department.

4. **SCHEDULE OF COMPLIANCE:**

A. **PERMIT CERTIFICATION:** The Owner/Operator shall sign and return this Permit to the Division's Environmental Bureau within 45 days of its receipt of this Permit.

B. **SUBMISSION OF THE PERMIT FEES:** As specified in Permit Condition 1.F, the Owner/Operator shall submit the fee of $2,600.00 along with the signed Discharge Permit within 45 days of the receipt of the Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

C. **ANNUAL REPORT:** As specified in Permit Condition 2.H, the Owner/Operator shall submit its annual report to the Division's Environmental Bureau by March 15th of the following year.

5. **CERTIFICATION: (OWNER/OPERATOR)** by the officer whose signature appears below, acknowledges receipt of this Discharge Permit, and has reviewed its terms and conditions.

_____
Company Name - print name

_____
Company Representative - print name

_____
Company Representative - Signature

Title:_____

Date: _____

APPENDIX B

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-01-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 12, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449662 LONGITUDE: -103.1626						
2	SAND: Very fine grained, loose, homogenous, red, dry, top 1-inch gravel.		2				16.6
4	CALICHE: Hard, off-white, dry. At 8 feet, sandy portions, light pink/white, and damp.	4.00					
6			6				18.9
8							
10			10				21.1
12							
14			14				81.3
16	SAND: Very fine grained, cemented, damp, and very light brown/tan. At 20 feet, light greenish grey sand and at 24 feet light brownish sand.	16.00					
18			18				67.6
20							
22			22				118
24							
26			26				25.2
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-02-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

LATTITUDE: 32.44922
LONGITUDE: -103.16219

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	INTERVAL	REC (ft)	PP (tsf)	CHLORIDE (mg/kg)
0	SAND: Very fine grained, loose, homogenous, red, dry, top 1-inch gravel.						
2			2				16.9
4	CALICHE: Hard, white, dry. At 8 feet, light brown/tan.	4.00					
6			6				19.9
8							
10			10				17.6
12							
14			14				17.8
16							
18			18				3.96
20	SAND: Very fine grained, loose to cemented, dry, and very light brown/tan.	20.00					
22			22				4.53
24							
26			26				3.76
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-03-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449498 LONGITUDE: -103.16185						
2	SAND: Very fine grained, loose, homogenous, red, dry, top 1-inch gravel. At 4 feet, section also includes broken caliche grains that are white and dry.		2				7.16
4							
6			6				26.7
8		8.00					
10	CALICHE: Hard, powdery, white, dry. At 16 feet, very light pink.		10				48.6
12							
14			14				11.6
16							
18			18				8.25
20	SAND: Very fine grained, loose to cemented, dry, and very light brown/tan.	20.00					
22			22				3.86
24							
26			26				4.84
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-04-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449415 LONGITUDE: -103.161514						
2	SAND: Loose, homogenous, red, damp, top 1-inch gravel.		2				3.14
4	CALICHE: Very hard, powdery, white, dry, rocky/large gravelly pieces at 4-8 feet.	4.00					
6			6				17.1
8							
10			10				16.4
12							
14			14				145
16							
18			18				66.6
20	SAND: Very fine grained, damp, and brown.	20.00					
22			22				31.2
24							
26			26				17.2
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

This log should not be used separately from the original report.

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-05-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449698 LONGITUDE: -103.161297						
0	SAND: Loose, homogenous, red, damp, top 2-inches gravel road base. At 4 feet, clayey sand, moist. At 8 feet sandstone portions mixed with sand, all brown.						
2			2				6.97
4							
6			6				17.5
8							
10			10				25.8
12							
14			14				24.6
16	CALICHE: Soft, white to light pink, dry. At 20 feet, 1-3 inch thick very hard caliche layer. At 24 feet, 2 inch thick very hard caliche layer.	16.00					
18			18				26.6
20							
22			22				17.4
24							
26			26				14.1
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS (oval)

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-06-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

LATTITUDE: 32.449476
LONGITUDE: -103.161253

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
0	SAND: Very fine grained, loose, homogenous, reddish brown, dry to damp, top 1-inch gravel. At 5 feet, hard.						
2			2				3.67
4							
6	CALICHE: Hard, powdery, white, dry.	6.00	6				17.4
8							
10			10				16.7
12							
14			14				25.4
16							
18			18				22.3
20	SAND: Very fine grained, loose to cemented, damp, and light brown.	20.00					
22			22				24.1
24							
26			26				18.9
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

This log should not be used separately from the original report.

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-07-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449441 LONGITUDE: -103.160371						
2	SAND: Very fine grained, loose to soft, homogenous, dark orangish brown, dry to damp, top 3-inches gravel.		2				21.6
4							
6	CALICHE: Soft, powdery, white to very light brown/tan, dry. At 8 feet, very fine sand and silt with caliche. At 16 feet, white to very light pink and hard. At 20 feet, very hard.	6.00	6				21.4
8							
10			10				6.15
12							
14			14				4.81
16							
18			18				7.80
20							
22			22				38.4
24	SAND: Very fine grained, loose, moist, and brown.	24.00					
26			26				30.4
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-08-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449806 LONGITUDE: -103.160201						
2	SAND: Very fine grained, loose to soft, homogenous, red, damp, top 3-inches gravel.		2				6.33
4	CALICHE: Hard, powdery, white to very light brown/tan, dry.	4.00					
6			6				16.6
8							
10			10				7.98
12							
14			14				18.2
16							
18			18				56.7
20	SAND: Very fine grained, loose, moist, and red.	20.00					
22			22				35.1
24							
26			26				30.1
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-09-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 11, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.449764 LONGITUDE: -103.159723						
2	SAND: Very fine grained, loose, homogenous, red, dry to damp, top 2-inch gravel and wind blown sand.		2				7.52
4	CALICHE: Hard, powdery, white, dry. At 12 feet, light red/white.	4.00					
6			6				18.3
8							
10			10				4.51
12							
14			14				4.92
16							
18			18				7.09
20							
22			22				9.65
24	SAND: Very fine grained, loose to cemented, damp, and brown.	24.00					
26			26				11.8
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

This log should not be used separately from the original report.

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: CT-10-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.450716 LONGITUDE: -103.159725						
2	SAND: Fine grained, loose, homogenous, light reddish brown, damp, top 1-foot gravel compacted road bed.		2				3.43
4							
6	CALICHE: Hard, powdery, white, dry. At 6 feet, reddish white with some very fine sand, dry. At 10 feet, tan and at 14 feet, brown.	5.00	6				4.96
8							
10			10				4.28
12							
14			14				6.39
16							
18			18				7.79
20	SAND: Very fine grained, loose to cemented, dry, and light brown/white.	20.00					
22			22				6.89
24							
26			26				7.26
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-11-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 12, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

LATTITUDE: 32.45035
LONGITUDE: -103.163219

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
0	SAND: Very fine grained, loose, homogenous, red, damp, top 6-inch gravel.						
2			2				7.68
4	CALICHE: Hard, powdery, white, dry, with some red sand.	4.00					
6			6				19.5
8	SAND: Very fine grained, loose to cemented, dry, and brown.	8.00					
10			10				4.05
12	CALICHE: Hard, powdery, very light pink to white, dry.	12.00					
14			14				4.64
16							
18			18				5.19
20							
22			22				21.8
24	SAND: Very fine grained, loose, damp, and very light brown.	24.00					
26			26				7.65
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-12-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 12, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.450608 LONGITUDE: -103.163224						
0	SAND: Very fine grained, loose, homogenous, red, damp, slightly clayey with top 2-inch gravel. Some caliche at 4-8 feet and dry. At 8 feet, light brown sand, dry. At 16 feet, very light brown sand, damp.		2				18.7
2							
4							
6			6				21.3
8							
10			10				22.6
12							
14			14				19.0
16	CALICHE: Hard, powdery, very light pink, dry.	16.00					
18			18				23.2
20							
22			22				7.84
24	SAND: Very fine grained, loose to cemented, dry, and very light brown.	24.00					
26			26				7.34
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-13-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.4515 LONGITUDE: -103.163134						
2	SAND: Very fine grained, loose, homogenous, orangish brown, damp, with top 1-foot gravel compacted road bed.		2				149
4	SILT: Loose, damp, and light yellowish brown.	4.00					
6			6				520
8	SAND: Hard, powdery, light pink/brown, dry, portions containing caliche. At 12 feet, white. At 20 feet, harder areas.	8.00					
10			10				44.3
12							
14			14				101
16							
18			18				70.5
20							
22			22				33.3
24							
26			26				46.4
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-14-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 12, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451453 LONGITUDE: -103.162619						
2	SAND: Fine grained, loose, homogenous, reddish brown, damp, some portions clayey and top 1-inch gravel. At 4 feet, red and at 8 feet, light brown and dry to damp. At 16 feet hard sandstone intervals. At 24 feet, soft, damp, brown sand.		2				4.38
4							
6			6				7.33
8							
10			10				4.47
12							
14			14				3.97
16							
18			18				4.00
20							
22			22				3.93
24							
26			26				3.64
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-15-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451407 LONGITUDE: -103.16193						
2	SAND: Very fine grained, homogenous, dark reddish brown, damp, some portions clayey, portions with caliche and top 6-inch compacted road base. At 4 feet, light pink/brown. At 8 feet, very hard sandstone. At 24 feet hard sandstone interval.		2				28.0
4							
6			6				39.1
8							
10			10				89.6
12							
14			14				90.9
16							
18			18				228
20							
22			22				95.1
24							
26			26				131
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-16-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451405 LONGITUDE: -103.161147						
2	SAND: Very fine grained, homogenous, red, damp, some portions clayey, portions with caliche and top 6-inch compacted road base. At 4 feet, silty, dry, and light pink/brown. At 8 feet, light brown and hard sandstone. At 20 feet very hard sandstone.		2				24.3
4							
6			6				73.7
8							
10			10				72.4
12							
14			14				84.6
16							
18			18				98.3
20							
22			22				57.5
24							
26			26				34.8
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-17-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451483 LONGITUDE: -103.160681						
2	SAND: Very fine grained, homogenous, dark red, damp, some portions clayey, portions with caliche and top 6-inch compacted road base. At 4 feet, soft and dark orange red. At 8 feet, light brown and sandstone. At 20 feet, very light red/off-white.		2				48.8
4							
6			6				52.9
8							
10			10				20.3
12							
14			14				24.3
16							
18			18				28.6
20							
22			22				21.4
24							
26			26				20.8
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-18-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451464 LONGITUDE: -103.160261						
0	SAND: Very fine grained, homogenous, very dark red, moist, some portions clayey, top 1-foot gravel. At 4 feet, orangish brown, damp. At 11-12 feet, light pink/brown and clayey (caliche). At 12 feet, grayish white and dry.						
2			2				7.09
4							
6			6				6.58
8							
10			10				7.02
12							
14			14				6.26
16							
18			18				5.39
20	CALICHE: very hard, powdery, off-white, and dry.	20.00					
22			22				5.40
24							
26			26				4.52
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-19-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.451108 LONGITUDE: -103.160236						
2	SAND: Very fine grained, homogenous, red, wet, top 1-foot gravel. At 4 feet, clayey and damp. Hydrocarbon odor present.		2				4.51
4	CLAY: Red, damp. Hydrocarbon odor present.	4.00					
6			6				8.23
8							
10			10				20.0
12	CALICHE: Hard, dry, and white to very light brown.	12.00					
14			14				5.83
16							
18			18				18.9
20	SAND: Very fine grained, soft, homogenous, light pinkish brown, damp.	20.00					
22			22				5.22
24							
26			26				4.78
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

STRATIGRAPHIC LOG
(OVERBURDEN)

PROJECT NAME: North Eunice
HOLE DESIGNATION: ST-20-13
PROJECT NUMBER: 073018
DATE COMPLETED: July 10, 2013
CLIENT: Chevron Environmental Management Company
DRILLING METHOD: Air Rotary
LOCATION: Eunice New Mexico
FIELD PERSONNEL: Bruce Woodhouse
DRILLING COMPANY: White Drilling Company, Inc.
DRILLER:: William B. Atkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE DEPTH (ft)	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE PP (tsf)	SAMPLE CHLORIDE (mg/kg)
	LATTITUDE: 32.450802 LONGITUDE: -103.160221						
2	SAND: Fine grained, homogenous, dark brown, damp, and top 6-inch compacted road base. At 4 feet, clayey portions and sand, yellowish gray. At 12 feet, very hard. At 16 feet, as above but light gray. At 20 feet, light brown, damp, sandstone. Hydrocarbon odor present from surface to 28 feet.		2				63.2
4							
6			6				241
8							
10			10				105
12							
14			14				25.8
16							
18			18				38.1
20							
22			22				7.44
24							
26			26				7.50
28	END OF BOREHOLE @ 28.0ft BGS	28.00					

NOTES: Boring was plugged with Baroid 3/8-inch Hole Plug (hydrated) and topped with cement cap after sample collection.

LABORATORY ANALYSIS ( )

OVERBURDEN LOG 073018-CEMC EUNICE.GPJ CRA_CORP.GDT 10/23/13

APPENDIX C

Analytical Report 466692

for

Conestoga Rovers & Associates

Project Manager: Mike Wisniowiecki

North Eunice Gas Plant

073018

26-JUL-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-13-14-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

26-JUL-13

Project Manager: **Mike Wisniowiecki**
Conestoga Rovers & Associates
2135 S Loop 250 W
Midland, TX 79703

Reference: XENCO Report No(s): **466692**
North Eunice Gas Plant
Project Address: New Mexico

Mike Wisniowiecki:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 466692. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 466692 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 466692

Conestoga Rovers & Associates, Midland, TX

North Eunice Gas Plant

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CT 10 13 2'	S	07-10-13 09:10		466692-001
CT 10 13 6'	S	07-10-13 09:50		466692-002
CT 10 13 10'	S	07-10-13 10:00		466692-003
CT 10 13 14'	S	07-10-13 10:05		466692-004
CT 10 13 18'	S	07-10-13 10:10		466692-005
CT 10 13 22'	S	07-10-13 10:15		466692-006
CT 10 13 26'	S	07-10-13 10:20		466692-007
ST 20 13 2'	S	07-10-13 10:35		466692-008
ST 20 13 6'	S	07-10-13 10:40		466692-009
ST 20 13 10'	S	07-10-13 10:50		466692-010
ST 20 13 14'	S	07-10-13 10:55		466692-011
ST 20 13 18'	S	07-10-13 11:00		466692-012
ST 20 13 22'	S	07-10-13 11:05		466692-013
ST 20 13 26'	S	07-10-13 11:10		466692-014
ST 19 13 2'	S	07-10-13 12:40		466692-015
ST 19 13 6'	S	07-10-13 12:45		466692-016
ST 19 13 10'	S	07-10-13 12:50		466692-017
ST 19 13 14'	S	07-10-13 12:55		466692-018
ST 19 13 18'	S	07-10-13 13:00		466692-019
ST 19 13 22'	S	07-10-13 13:05		466692-020
ST 19 13 26'	S	07-10-13 13:10		466692-021
ST 18 13 2'	S	07-10-13 13:20		466692-022
ST 18 13 6'	S	07-10-13 13:25		466692-023
ST 18 13 10'	S	07-10-13 13:30		466692-024
ST 18 13 14'	S	07-10-13 13:35		466692-025
ST 18 13 18'	S	07-10-13 13:40		466692-026
ST 18 13 22'	S	07-10-13 13:45		466692-027
ST 18 13 26'	S	07-10-13 13:55		466692-028
ST 17 13 2'	S	07-10-13 14:05		466692-029
ST 17 13 6'	S	07-10-13 14:10		466692-030
ST 17 13 10'	S	07-10-13 14:15		466692-031
ST 17 13 14'	S	07-10-13 14:20		466692-032
ST 17 13 18'	S	07-10-13 14:25		466692-033
ST 17 13 22'	S	07-10-13 14:30		466692-034
ST 17 13 26'	S	07-10-13 14:35		466692-035
ST 16 13 2'	S	07-10-13 14:55		466692-036
ST 16 13 6'	S	07-10-13 15:00		466692-037
ST 16 13 10'	S	07-10-13 15:05		466692-038
ST 16 13 14'	S	07-10-13 15:10		466692-039
ST 16 13 18'	S	07-10-13 15:15		466692-040
ST 16 13 22'	S	07-10-13 15:20		466692-041
ST 16 13 26'	S	07-10-13 15:25		466692-042
ST 15 13 2'	S	07-10-13 15:40		466692-043

ST 15 13 6'	S	07-10-13 15:45	466692-044
ST 15 13 10'	S	07-10-13 15:50	466692-045
ST 15 13 14'	S	07-10-13 15:55	466692-046
ST 15 13 18'	S	07-10-13 16:00	466692-047
ST 15 13 22'	S	07-10-13 16:05	466692-048
ST 15 13 26'	S	07-10-13 16:10	466692-049
ST 14 13 2'	S	07-12-13 11:50	466692-050
ST 14 13 6'	S	07-12-13 11:55	466692-051
ST 14 13 10'	S	07-12-13 12:00	466692-052
ST 14 13 14'	S	07-12-13 12:05	466692-053
ST 14 13 18'	S	07-12-13 12:10	466692-054
ST 14 13 22'	S	07-12-13 12:15	466692-055
ST 14 13 26'	S	07-12-13 12:20	466692-056
ST 13 13 2'	S	07-10-13 16:40	466692-057
ST 13 13 6'	S	07-10-13 16:45	466692-058
ST 13 13 10'	S	07-10-13 16:50	466692-059
ST 13 13 14'	S	07-10-13 16:55	466692-060
ST Dup #1'	S	07-10-13 00:00	466692-061
ST 13-13 18'	S	07-10-13 17:00	466692-062
ST 13-13 22'	S	07-10-13 17:05	466692-063
ST 13-13 26'	S	07-10-13 17:10	466692-064
CT 7-13 2'	S	07-11-13 08:40	466692-065
CT 7-13 6'	S	07-11-13 08:45	466692-066
CT 7-13 10'	S	07-11-13 08:50	466692-067
CT 7-13 14'	S	07-11-13 08:55	466692-068
CT 7-13 18'	S	07-11-13 09:00	466692-069
CT 7-13 22'	S	07-11-13 09:05	466692-070
CT 7-13 26'	S	07-11-13 09:10	466692-071
CT 8-13 2'	S	07-11-13 10:20	466692-072
CT 8-13 6'	S	07-11-13 10:25	466692-073
CT 8-13 10'	S	07-11-13 10:30	466692-074
CT 8-13 14'	S	07-11-13 10:35	466692-075
CT 8-13 18'	S	07-11-13 10:40	466692-076
CT 8-13 22'	S	07-11-13 10:45	466692-077
CT 8-13 26'	S	07-11-13 10:50	466692-078
CT 9-13 2'	S	07-11-13 14:00	466692-079
CT 9-13 6'	S	07-11-13 14:05	466692-080
CT 9-13 10'	S	07-11-13 14:10	466692-081
CT 9-13 14'	S	07-11-13 14:15	466692-082
CT 9-13 18'	S	07-11-13 14:20	466692-083
CT 9-13 22'	S	07-11-13 14:25	466692-084
CT 9-13 26'	S	07-11-13 14:30	466692-085
CT 6-13 2'	S	07-11-13 15:10	466692-086
CT 6-13 6'	S	07-11-13 15:15	466692-087

CT 6-13 10'	S	07-11-13 15:20	466692-088
CT 6-13 14'	S	07-11-13 15:25	466692-089
CT 6-13 18'	S	07-11-13 15:30	466692-090
CT 6-13 22'	S	07-11-13 15:35	466692-091
CT 6-13 26'	S	07-11-13 15:40	466692-092
CT 5-13 2'	S	07-11-13 15:55	466692-093
CT 5-13 6'	S	07-11-13 16:00	466692-094
CT 5-13 10'	S	07-11-13 16:05	466692-095
CT 5-13 14'	S	07-11-13 16:10	466692-096
CT 5-13 18'	S	07-11-13 16:15	466692-097
CT 5-13 22'	S	07-11-13 16:20	466692-098
CT 5-13 26'	S	07-11-13 16:25	466692-099
CT 4-13 2'	S	07-11-13 16:40	466692-100
CT 4-13 6'	S	07-11-13 16:45	466692-101
CT 4-13 10'	S	07-11-13 16:50	466692-102
CT 4-13 14'	S	07-11-13 16:55	466692-103
CT 4-13 18'	S	07-11-13 17:00	466692-104
CT 4-13 22'	S	07-11-13 17:05	466692-105
CT 4-13 26'	S	07-11-13 17:10	466692-106
CT 3-13 2'	S	07-11-13 17:20	466692-107
CT 3-13 6'	S	07-11-13 17:25	466692-108
CT 3-13 10'	S	07-11-13 17:30	466692-109
CT 3-13 14'	S	07-11-13 17:35	466692-110
CT 3-13 18'	S	07-11-13 17:40	466692-111
CT 3-13 22'	S	07-11-13 17:45	466692-112
CT 3-13 26'	S	07-11-13 17:50	466692-113
CT DUP #2	S	07-11-13 00:00	466692-114
CT 2-13 2'	S	07-11-13 08:30	466692-115
CT 2-13 6'	S	07-11-13 08:35	466692-116
CT 2-13 10'	S	07-11-13 08:40	466692-117
CT 2-13 14'	S	07-11-13 08:45	466692-118
CT 2-13 18'	S	07-11-13 08:50	466692-119
CT 2-13 22'	S	07-11-13 08:55	466692-120
CT 2-13 26'	S	07-12-13 09:00	466692-121
CT DUP #3	S	07-12-13 00:00	466692-122
CT 1-13 2'	S	07-12-13 09:40	466692-123
CT 1-13 6'	S	07-12-13 09:45	466692-124
CT 1-13 10'	S	07-12-13 09:50	466692-125
CT 1-13 14'	S	07-12-13 09:55	466692-126
CT 1-13 18'	S	07-12-13 10:00	466692-127
CT 1-13 22'	S	07-12-13 10:05	466692-128
CT 1-13 26'	S	07-12-13 10:10	466692-129
ST 11-13 2'	S	07-12-13 10:20	466692-130
ST 11-13 6'	S	07-12-13 10:25	466692-131

ST 11-13 10'	S	07-12-13 10:30	466692-132
ST 11-13 14'	S	07-12-13 10:35	466692-133
ST 11-13 18'	S	07-12-13 10:40	466692-134
ST 11-13 22'	S	07-12-13 10:45	466692-135
ST 11-13 26'	S	07-12-13 10:50	466692-136
ST DUP #1	S	07-12-13 00:00	466692-137
ST 12-13 2'	S	07-12-13 11:10	466692-138
ST 12-13 6'	S	07-12-13 11:15	466692-139
ST 12-13 10'	S	07-12-13 11:20	466692-140
ST 12-13 14'	S	07-12-13 11:25	466692-141
ST 12-13 18'	S	07-12-13 11:30	466692-142
ST 12-13 22'	S	07-12-13 11:35	466692-143
ST 12-13 26'	S	07-12-13 11:40	466692-144
ST DUP #2	S	07-12-13 00:00	466692-145
ST DUP #2	S	07-10-13 00:00	466692-146
CT DUP #1	S	07-11-13 00:00	466692-147

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-918723 Inorganic Anions by EPA 300/300.1
E300

Batch 918723, Chloride recovered above QC limits in the Matrix Spike.
Samples affected are: 466692-022, -026, -025, -033, -030, -023, -027, -032, -021, -024.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Sample Id: **CT 10 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-001 Date Collected: 07.10.13 09.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.95 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.43**	2.06	0.0730	mg/kg	07.17.13 03:23		1

Sample Id: **CT 10 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-002 Date Collected: 07.10.13 09.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.21 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.96**	2.28	0.0806	mg/kg	07.17.13 04:09		1

Sample Id: **CT 10 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-003 Date Collected: 07.10.13 10.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.3 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.28**	2.21	0.0781	mg/kg	07.17.13 04:32		1

Sample Id: **CT 10 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-004 Date Collected: 07.10.13 10.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.63 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.39**	2.29	0.0810	mg/kg	07.17.13 04:54		1

Sample Id: **CT 10 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-005 Date Collected: 07.10.13 10.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.34 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.79**	2.26	0.0799	mg/kg	07.17.13 05:17		1

Sample Id: **CT 10 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-006 Date Collected: 07.10.13 10.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.4 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.89**	2.18	0.0773	mg/kg	07.17.13 06:25		1

Sample Id: **CT 10 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-007 Date Collected: 07.10.13 10.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.89 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.26**	2.13	0.0752	mg/kg	07.17.13 06:48		1

Sample Id: **ST 20 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-008 Date Collected: 07.10.13 10.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.87 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**63.2**	10.5	0.372	mg/kg	07.17.13 07:10		5

Sample Id: **ST 20 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-009 Date Collected: 07.10.13 10.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 14.38 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**241**	11.7	0.413	mg/kg	07.17.13 07:33		5

Sample Id: **ST 20 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-010 Date Collected: 07.10.13 10.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.28 Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**105**	11.0	0.390	mg/kg	07.17.13 07:56		5

Sample Id: **ST 20 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-011 Date Collected: 07.10.13 10.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.09 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**25.8**	11.0	0.389	mg/kg	07.17.13 10:54		5

Sample Id: **ST 20 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-012 Date Collected: 07.10.13 11.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.54 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**38.1**	11.1	0.391	mg/kg	07.17.13 11:39		5

Sample Id: **ST 20 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-013 Date Collected: 07.10.13 11.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.41 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.44**	2.07	0.0733	mg/kg	07.17.13 12:02		1

Sample Id: **ST 20 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-014 Date Collected: 07.10.13 11.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.68 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.50**	2.08	0.0735	mg/kg	07.17.13 12:25		1

Sample Id: **ST 19 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-015 Date Collected: 07.10.13 12.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.08 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.51**	2.11	0.0746	mg/kg	07.17.13 12:47		1

Sample Id: **ST 19 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-016 Date Collected: 07.10.13 12.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 15.55 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**8.23**	4.74	0.168	mg/kg	07.17.13 13:10		2

Sample Id: **ST 19 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-017 Date Collected: 07.10.13 12.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 18.79 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**20.0**	12.3	0.436	mg/kg	07.17.13 14:18		5

Sample Id: **ST 19 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-018 Date Collected: 07.10.13 12.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.54 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5.83**	2.31	0.0819	mg/kg	07.17.13 14:41		1

Sample Id: **ST 19 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-019 Date Collected: 07.10.13 13.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.45 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.9**	11.3	0.400	mg/kg	07.17.13 15:04		5

Sample Id: **ST 19 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-020 Date Collected: 07.10.13 13.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.18 Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5.52**	2.15	0.0763	mg/kg	07.17.13 15:26		1

Sample Id: **ST 19 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-021 Date Collected: 07.10.13 13.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.27 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.78**	2.05	0.0724	mg/kg	07.18.13 19:31		1

Sample Id: **ST 18 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-022 Date Collected: 07.10.13 13.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.91 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.09**	4.59	0.163	mg/kg	07.18.13 18:46		2

Sample Id: **ST 18 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-023 Date Collected: 07.10.13 13.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.89 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.58**	4.34	0.154	mg/kg	07.18.13 19:08		2

Sample Id: **ST 18 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-024 Date Collected: 07.10.13 13.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.89 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.02**	2.32	0.0822	mg/kg	07.18.13 20:16		1

Sample Id: **ST 18 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-025 Date Collected: 07.10.13 13.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.93 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.26**	2.30	0.0813	mg/kg	07.18.13 20:39		1

Sample Id: **ST 18 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-026 Date Collected: 07.10.13 13.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.98 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5.39**	2.20	0.0778	mg/kg	07.18.13 21:02		1

Sample Id: **ST 18 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-027 Date Collected: 07.10.13 13.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.97 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5.40**	2.25	0.0795	mg/kg	07.18.13 21:24		1

Sample Id: **ST 18 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-028 Date Collected: 07.10.13 13.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.99 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.52**	2.08	0.0737	mg/kg	07.25.13 10:01		1

Sample Id: **ST 17 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-029 Date Collected: 07.10.13 14.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.03 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**48.8**	11.5	0.407	mg/kg	07.25.13 13:08		5

Sample Id: **ST 17 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-030 Date Collected: 07.10.13 14.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.55 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**52.9**	11.3	0.400	mg/kg	07.18.13 23:18		5

Sample Id: **ST 17 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-031 Date Collected: 07.10.13 14.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.45 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**20.3**	11.4	0.404	mg/kg	07.19.13 02:20		5

Sample Id: **ST 17 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-032 Date Collected: 07.10.13 14.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.62 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**24.3**	11.3	0.401	mg/kg	07.18.13 23:41		5

Sample Id: **ST 17 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-033 Date Collected: 07.10.13 14.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.83 Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**28.6**	11.2	0.397	mg/kg	07.19.13 00:03		5

Sample Id: **ST 17 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-034 Date Collected: 07.10.13 14.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.04 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.4**	11.0	0.389	mg/kg	07.19.13 03:05		5

Sample Id: **ST 17 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-035 Date Collected: 07.10.13 14.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.32 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**20.8**	10.3	0.366	mg/kg	07.19.13 03:28		5

Sample Id: **ST 16 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-036 Date Collected: 07.10.13 14.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.32 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**24.3**	11.3	0.399	mg/kg	07.19.13 03:50		5

Sample Id: **ST 16 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-037 Date Collected: 07.10.13 15.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 17.99 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**73.7**	12.2	0.432	mg/kg	07.19.13 04:13		5

Sample Id: **ST 16 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-038 Date Collected: 07.10.13 15.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.54 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.4**	11.4	0.405	mg/kg	07.19.13 04:36		5

Sample Id: **ST 16 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-039 Date Collected: 07.10.13 15.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.43 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**84.6**	11.2	0.395	mg/kg	07.19.13 05:44		5

Sample Id: **ST 16 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-040 Date Collected: 07.10.13 15.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.8 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**98.3**	11.5	0.406	mg/kg	07.19.13 06:07		5

Sample Id: **ST 16 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-041 Date Collected: 07.10.13 15.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.6 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**57.5**	11.2	0.396	mg/kg	07.19.13 06:29		5

Sample Id: **ST 16 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-042 Date Collected: 07.10.13 15.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**34.8**	11.4	0.402	mg/kg	07.19.13 06:52		5

Sample Id: **ST 15 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-043 Date Collected: 07.10.13 15.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.5 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**28.0**	11.6	0.409	mg/kg	07.19.13 07:15		5

Sample Id: **ST 15 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-044 Date Collected: 07.10.13 15.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 15 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**39.1**	11.8	0.416	mg/kg	07.19.13 08:00		5

Sample Id: **ST 15 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-045 Date Collected: 07.10.13 15.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.4 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**89.6**	11.3	0.400	mg/kg	07.19.13 08:23		5

Sample Id: **ST 15 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-046 Date Collected: 07.10.13 15.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.43 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**90.9**	21.6	0.765	mg/kg	07.19.13 08:46		10

Sample Id: **ST 15 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-047 Date Collected: 07.10.13 16.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.6 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**228**	11.2	0.396	mg/kg	07.19.13 09:08		5

Sample Id: **ST 15 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-048 Date Collected: 07.10.13 16.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 21.4 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**95.1**	12.7	0.450	mg/kg	07.19.13 10:16		5

Sample Id: **ST 15 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-049 Date Collected: 07.10.13 16.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 19.6 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**131**	12.4	0.440	mg/kg	07.19.13 10:39		5

Sample Id: **ST 14 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-050 Date Collected: 07.12.13 11.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.72 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.38**	2.14	0.0759	mg/kg	07.19.13 11:02		1

Sample Id: **ST 14 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-051 Date Collected: 07.12.13 11.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.6 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.33**	4.47	0.158	mg/kg	07.19.13 11:55		2

Sample Id: **ST 14 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-052 Date Collected: 07.12.13 12.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.98 Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.47**	2.20	0.0778	mg/kg	07.19.13 12:18		1

Sample Id: **ST 14 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-053 Date Collected: 07.12.13 12.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.48 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.97**	2.19	0.0774	mg/kg	07.19.13 14:34		1

Sample Id: **ST 14 13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-054 Date Collected: 07.12.13 12.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.5 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.00**	2.16	0.0765	mg/kg	07.19.13 15:20		1

Sample Id: **ST 14 13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-055 Date Collected: 07.12.13 12.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.2 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.93**	2.16	0.0763	mg/kg	07.19.13 15:42		1

Sample Id: **ST 14 13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-056 Date Collected: 07.12.13 12.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.62 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.64**	2.08	0.0735	mg/kg	07.19.13 16:05		1

Sample Id: **ST 13 13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-057 Date Collected: 07.10.13 16.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.76 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**149**	21.2	0.751	mg/kg	07.19.13 16:28		10

Sample Id: **ST 13 13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-058 Date Collected: 07.10.13 16.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 18.8 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**520**	24.6	0.872	mg/kg	07.19.13 16:50		10

Sample Id: **ST 13 13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-059 Date Collected: 07.10.13 16.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.26 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**44.3**	11.0	0.390	mg/kg	07.19.13 17:58		5

Sample Id: **ST 13 13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-060 Date Collected: 07.10.13 16.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.3 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**101**	11.1	0.395	mg/kg	07.19.13 18:21		5

Sample Id: **ST Dup #1'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-061 Date Collected: 07.10.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**19.1**	11.5	0.407	mg/kg	07.19.13 18:44		5

Sample Id: **ST 13-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-062 Date Collected: 07.10.13 17.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.96 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**70.5**	10.9	0.385	mg/kg	07.19.13 19:07		5

Sample Id: **ST 13-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-063 Date Collected: 07.10.13 17.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.16 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**33.3**	10.4	0.369	mg/kg	07.19.13 19:29		5

Sample Id: **ST 13-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-064 Date Collected: 07.10.13 17.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.86 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**46.4**	10.5	0.372	mg/kg	07.19.13 20:15		5

Sample Id: **CT 7-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-065 Date Collected: 07.11.13 08.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.88 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.6**	4.16	0.147	mg/kg	07.19.13 20:37		2

Sample Id: **CT 7-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-066 Date Collected: 07.11.13 08.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 15.6 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.4**	2.37	0.0839	mg/kg	07.19.13 21:00		1

Sample Id: **CT 7-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-067 Date Collected: 07.11.13 08.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.6 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.15**	2.24	0.0792	mg/kg	07.19.13 21:23		1

Sample Id: **CT 7-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-068 Date Collected: 07.11.13 08.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.89 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.81**	2.22	0.0786	mg/kg	07.19.13 22:31		1

Sample Id: **CT 7-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-069 Date Collected: 07.11.13 09.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 14.6 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.80**	2.34	0.0829	mg/kg	07.19.13 22:54		1

Sample Id: **CT 7-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-070 Date Collected: 07.11.13 09.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 20 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**38.7**	12.5	0.443	mg/kg	07.19.13 23:16		5

Sample Id: **CT 7-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-071 Date Collected: 07.11.13 09.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.52 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**30.4**	11.1	0.391	mg/kg	07.19.13 23:39		5

Sample Id: **CT 8-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-072 Date Collected: 07.11.13 10.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.24 Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.33**	4.09	0.145	mg/kg	07.20.13 00:02		2

Sample Id: **CT 8-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-073 Date Collected: 07.11.13 10.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.52 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**16.6**	10.7	0.379	mg/kg	07.20.13 02:18		5

Sample Id: **CT 8-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-074 Date Collected: 07.11.13 10.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.13 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.98**	4.22	0.149	mg/kg	07.20.13 03:03		2

Sample Id: **CT 8-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-075 Date Collected: 07.11.13 10.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.79 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.2**	11.0	0.388	mg/kg	07.20.13 03:26		5

Sample Id: **CT 8-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-076 Date Collected: 07.11.13 10.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.9 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**56.7**	11.2	0.397	mg/kg	07.20.13 03:49		5

Sample Id: **CT 8-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-077 Date Collected: 07.11.13 10.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.47 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**35.1**	10.7	0.378	mg/kg	07.20.13 04:11		5

Sample Id: **CT 8-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-078 Date Collected: 07.11.13 10.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.42 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**30.1**	4.23	0.150	mg/kg	07.20.13 04:34		2

Sample Id: **CT 9-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-079 Date Collected: 07.11.13 14.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.28 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.52**	4.18	0.148	mg/kg	07.20.13 05:42		2

Sample Id: **CT 9-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-080 Date Collected: 07.11.13 14.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12.7 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.3**	11.5	0.405	mg/kg	07.20.13 06:05		5

Sample Id: **CT 9-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-081 Date Collected: 07.11.13 14.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.58 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.51**	2.21	0.0783	mg/kg	07.20.13 06:28		1

Sample Id: **CT 9-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-082 Date Collected: 07.11.13 14.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.73 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.92**	2.17	0.0767	mg/kg	07.20.13 06:50		1

Sample Id: **CT 9-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-083 Date Collected: 07.11.13 14.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.4 Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.09**	2.11	0.0748	mg/kg	07.20.13 07:13		1

Sample Id: **CT 9-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-084 Date Collected: 07.11.13 14.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.79 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**9.65**	2.10	0.0744	mg/kg	07.22.13 12:06		1

Sample Id: **CT 9-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-085 Date Collected: 07.11.13 14.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.32 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**11.8**	2.07	0.0732	mg/kg	07.22.13 12:51		1

Sample Id: **CT 6-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-086 Date Collected: 07.11.13 15.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.97 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.67**	2.15	0.0761	mg/kg	07.22.13 13:14		1

Sample Id: **CT 6-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-087 Date Collected: 07.11.13 15.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.4**	11.2	0.398	mg/kg	07.22.13 13:36		5

Sample Id: **CT 6-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-088 Date Collected: 07.11.13 15.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.73 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**16.7**	10.7	0.380	mg/kg	07.22.13 13:59		5

Sample Id: **CT 6-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-089 Date Collected: 07.11.13 15.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.5 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**25.4**	11.3	0.400	mg/kg	07.22.13 15:18		5

Sample Id: **CT 6-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-090 Date Collected: 07.11.13 15.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.16 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**22.3**	10.9	0.385	mg/kg	07.22.13 15:41		5

Sample Id: **CT 6-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-091 Date Collected: 07.11.13 15.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.78 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**24.1**	10.5	0.372	mg/kg	07.22.13 16:04		5

Sample Id: **CT 6-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-092 Date Collected: 07.11.13 15.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.62 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.9**	10.4	0.367	mg/kg	07.22.13 16:26		5

Sample Id: **CT 5-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-093 Date Collected: 07.11.13 15.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.08 Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6.97**	4.17	0.148	mg/kg	07.22.13 16:49		2

Sample Id: **CT 5-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-094 Date Collected: 07.11.13 16.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.5**	11.4	0.402	mg/kg	07.22.13 19:51		5

Sample Id: **CT 5-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-095 Date Collected: 07.11.13 16.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 16.8 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**25.8**	12.0	0.425	mg/kg	07.22.13 19:05		5

Sample Id: **CT 5-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-096 Date Collected: 07.11.13 16.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 15.6 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**24.6**	11.8	0.419	mg/kg	07.22.13 20:13		5

Sample Id: **CT 5-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-097 Date Collected: 07.11.13 16.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.5 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**26.6**	11.2	0.396	mg/kg	07.22.13 20:36		5

Sample Id: **CT 5-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-098 Date Collected: 07.11.13 16.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.12 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.4**	4.31	0.152	mg/kg	07.22.13 20:59		2

Sample Id: **CT 5-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-099 Date Collected: 07.11.13 16.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.33 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**14.1**	2.09	0.0740	mg/kg	07.22.13 21:21		1

Sample Id: **CT 4-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-100 Date Collected: 07.11.13 16.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.62 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.14**	2.10	0.0742	mg/kg	07.22.13 22:29		1

Sample Id: **CT 4-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-101 Date Collected: 07.11.13 16.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.89 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.1**	11.0	0.389	mg/kg	07.22.13 22:52		5

Sample Id: **CT 4-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-102 Date Collected: 07.11.13 16.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.62 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**16.4**	10.4	0.367	mg/kg	07.22.13 23:15		5

Sample Id: **CT 4-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-103 Date Collected: 07.11.13 16.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.1 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**145**	11.5	0.407	mg/kg	07.22.13 23:38		5

Sample Id: **CT 4-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-104 Date Collected: 07.11.13 17.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.86 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**66.6**	10.5	0.372	mg/kg	07.23.13 00:00		5

Sample Id: **CT 4-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-105 Date Collected: 07.11.13 17.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.09 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**31.2**	2.04	0.0723	mg/kg	07.23.13 00:46		1

Sample Id: **CT 4-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-106 Date Collected: 07.11.13 17.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.95 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.2**	2.06	0.0730	mg/kg	07.23.13 01:08		1

Sample Id: **CT 3-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-107 Date Collected: 07.11.13 17.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.62 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.16**	2.05	0.0727	mg/kg	07.23.13 01:31		1

Sample Id: **CT 3-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-108 Date Collected: 07.11.13 17.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**26.7**	11.5	0.407	mg/kg	07.23.13 01:54		5

Sample Id: **CT 3-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-109 Date Collected: 07.11.13 17.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.66 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**48.6**	10.5	0.371	mg/kg	07.23.13 03:02		5

Sample Id: **CT 3-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-110 Date Collected: 07.11.13 17.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.4 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**11.6**	4.42	0.156	mg/kg	07.23.13 03:24		2

Sample Id: **CT 3-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-111 Date Collected: 07.11.13 17.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.6 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**8.25**	2.12	0.0750	mg/kg	07.23.13 03:47		1

Sample Id: **CT 3-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-112 Date Collected: 07.11.13 17.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.46 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.86**	2.05	0.0726	mg/kg	07.24.13 12:04		1

Sample Id: **CT 3-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-113 Date Collected: 07.11.13 17.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.91 Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.84**	2.06	0.0729	mg/kg	07.24.13 12:27		1

Sample Id: **CT DUP #2** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-114 Date Collected: 07.11.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 2.64 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.21**	2.05	0.0727	mg/kg	07.24.13 15:29		1

Sample Id: **CT 2-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-115 Date Collected: 07.11.13 08.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.3 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**16.9**	10.7	0.378	mg/kg	07.24.13 16:14		5

Sample Id: **CT 2-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-116 Date Collected: 07.11.13 08.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 20.6 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**19.9**	12.6	0.446	mg/kg	07.24.13 16:37		5

Sample Id: **CT 2-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-117 Date Collected: 07.11.13 08.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.9 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.6**	11.4	0.402	mg/kg	07.24.13 16:59		5

Sample Id: **CT 2-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-118 Date Collected: 07.11.13 08.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.8 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.8**	11.2	0.397	mg/kg	07.24.13 17:22		5

Sample Id: **CT 2-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-119 Date Collected: 07.11.13 08.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.94 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.96**	2.17	0.0769	mg/kg	07.24.13 17:45		1

Sample Id: **CT 2-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-120 Date Collected: 07.11.13 08.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.61 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.53**	2.14	0.0758	mg/kg	07.24.13 18:53		1

Sample Id: **CT 2-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-121 Date Collected: 07.12.13 09.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.48 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.76**	2.09	0.0741	mg/kg	07.24.13 19:16		1

Sample Id: **CT DUP #3** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-122 Date Collected: 07.12.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.32 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**17.2**	11.0	0.390	mg/kg	07.24.13 19:38		5

Sample Id: **CT 1-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-123 Date Collected: 07.12.13 09.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.58 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**16.6**	10.8	0.383	mg/kg	07.24.13 20:01		5

Sample Id: **CT 1-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-124 Date Collected: 07.12.13 09.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 18.1 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.9**	12.2	0.432	mg/kg	07.24.13 20:24		5

Sample Id: **CT 1-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-125 Date Collected: 07.12.13 09.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.2 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.1**	11.3	0.399	mg/kg	07.24.13 21:09		5

Sample Id: **CT 1-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-126 Date Collected: 07.12.13 09.55 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 14 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**81.3**	11.6	0.412	mg/kg	07.24.13 21:32		5

Sample Id: **CT 1-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-127 Date Collected: 07.12.13 10.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.32 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**67.6**	11.0	0.390	mg/kg	07.24.13 21:54		5

Sample Id: **CT 1-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-128 Date Collected: 07.12.13 10.05 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 12 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**118**	11.4	0.402	mg/kg	07.24.13 22:17		5

Sample Id: **CT 1-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-129 Date Collected: 07.12.13 10.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.21 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**25.2**	2.07	0.0731	mg/kg	07.24.13 23:25		1

Sample Id: **ST 11-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-130 Date Collected: 07.12.13 10.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.68**	4.49	0.159	mg/kg	07.24.13 23:48		2

Sample Id: **ST 11-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-131 Date Collected: 07.12.13 10.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 14.9 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**19.5**	11.8	0.416	mg/kg	07.25.13 00:11		5

Sample Id: **ST 11-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-132 Date Collected: 07.12.13 10.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 9.54 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.05**	2.21	0.0783	mg/kg	07.25.13 00:33		1

Sample Id: **ST 11-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-133 Date Collected: 07.12.13 10.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.4 Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4.64**	2.18	0.0773	mg/kg	07.25.13 00:56		1

Sample Id: **ST 11-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-134 Date Collected: 07.12.13 10.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.55 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5.19**	2.19	0.0774	mg/kg	07.25.13 03:12		1

Sample Id: **ST 11-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-135 Date Collected: 07.12.13 10.45 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 13.7 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.8**	11.6	0.410	mg/kg	07.25.13 03:58		5

Sample Id: **ST 11-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-136 Date Collected: 07.12.13 10.50 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 7.04 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.65**	2.15	0.0762	mg/kg	07.25.13 04:20		1

Sample Id: **ST DUP #1** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-137 Date Collected: 07.12.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 5.1 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.21**	2.11	0.0746	mg/kg	07.25.13 04:43		1

Sample Id: **ST 12-13 2'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-138 Date Collected: 07.12.13 11.10 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.05 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**18.7**	10.9	0.385	mg/kg	07.25.13 05:06		5

Sample Id: **ST 12-13 6'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-139 Date Collected: 07.12.13 11.15 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 14.5 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**21.3**	11.7	0.414	mg/kg	07.25.13 05:28		5

Sample Id: **ST 12-13 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-140 Date Collected: 07.12.13 11.20 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.2 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**22.6**	11.1	0.394	mg/kg	07.25.13 06:37		5

Sample Id: **ST 12-13 14'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-141 Date Collected: 07.12.13 11.25 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.33 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**19.0**	10.7	0.378	mg/kg	07.25.13 06:59		5

Sample Id: **ST 12-13 18'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-142 Date Collected: 07.12.13 11.30 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 10.3 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**23.2**	11.1	0.395	mg/kg	07.25.13 07:22		5

Sample Id: **ST 12-13 22'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-143 Date Collected: 07.12.13 11.35 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 6.93 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.84**	2.15	0.0761	mg/kg	07.25.13 07:45		1

Sample Id: **ST 12-13 26'** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-144 Date Collected: 07.12.13 11.40 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 4.65 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7.34**	2.10	0.0743	mg/kg	07.25.13 08:07		1

Sample Id: **ST DUP #2** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-145 Date Collected: 07.12.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 8.52 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**50.5**	10.9	0.387	mg/kg	07.25.13 08:53		5

Sample Id: **ST DUP #2** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-146 Date Collected: 07.10.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 3.85 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**3.82**	2.08	0.0736	mg/kg	07.25.13 09:15		1

Sample Id: **CT DUP #1** Matrix: Soil Sample Depth:

Lab Sample Id: 466692-147 Date Collected: 07.11.13 00.00 Date Received: 07.13.13 14.30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: 11.5 Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**19.5**	11.3	0.400	mg/kg	07.25.13 09:38		5

Sample Id: **641276-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641276-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 918723 Date Prep: 07.18.13 10.00

Prep seq: 641276

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.18.13 08:55	U	1

Sample Id: **641325-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641325-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 918835 Date Prep: 07.16.13 10.00

Prep seq: 641325

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.16.13 21:20	U	1

Sample Id: **641420-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641420-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 918959 Date Prep: 07.21.13 10.00

Prep seq: 641420

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.21.13 21:42	U	1

Sample Id: **641559-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641559-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919170 Date Prep: 07.16.13 10.00

Prep seq: 641559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.17.13 09:04	U	1

Sample Id: **641561-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641561-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919181 Date Prep: 07.18.13 10.00

Prep seq: 641561

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.19.13 01:12	U	1

Sample Id: **641575-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641575-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919221 Date Prep: 07.24.13 08.00

Prep seq: 641575

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.24.13 13:35	U	1

Sample Id: **641576-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641576-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919187 Date Prep: 07.18.13 10.00

Prep seq: 641576

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.19.13 13:26	U	1

Sample Id: **641580-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641580-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919223 Date Prep: 07.24.13 08.00

Prep seq: 641580

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.25.13 02:04	U	1

Sample Id: **641593-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641593-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919205 Date Prep: 07.18.13 10.00

Prep seq: 641593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.20.13 01:10	U	1

Certificate of Analytical Results 466692

Conestoga Rovers & Associates, Midland, TX

North Eunice Gas Plant

Sample Id: **641598-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 641598-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: AMB % Moist: Tech: AMB

Seq Number: 919218 Date Prep: 07.18.13 10.00

Prep seq: 641598

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	ND	2.00	0.0708	mg/kg	07.22.13 17:57	U	1

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692 **Project ID:** 073018

Analyst: AMB **Date Prepared:** 07/18/2013 **Date Analyzed:** 07/18/2013

Lab Batch ID: 918723 **Sample:** 641276-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	48.8	98	50.0	47.6	95	2	80-120	20	

Analyst: AMB **Date Prepared:** 07/16/2013 **Date Analyzed:** 07/16/2013

Lab Batch ID: 918835 **Sample:** 641325-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	47.9	96	50.0	47.9	96	0	80-120	20	

Analyst: AMB **Date Prepared:** 07/21/2013 **Date Analyzed:** 07/21/2013

Lab Batch ID: 918959 **Sample:** 641420-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	49.0	98	50.0	49.0	98	0	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692 **Project ID:** 073018

Analyst: AMB **Date Prepared:** 07/16/2013 **Date Analyzed:** 07/17/2013

Lab Batch ID: 919170 **Sample:** 641559-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	47.6	95	50.0	52.6	105	10	80-120	20	

Analyst: AMB **Date Prepared:** 07/18/2013 **Date Analyzed:** 07/19/2013

Lab Batch ID: 919181 **Sample:** 641561-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	48.3	97	50.0	48.8	98	1	80-120	20	

Analyst: AMB **Date Prepared:** 07/24/2013 **Date Analyzed:** 07/24/2013

Lab Batch ID: 919221 **Sample:** 641575-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	49.9	100	50.0	49.7	99	0	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692 **Project ID:** 073018

Analyst: AMB **Date Prepared:** 07/18/2013 **Date Analyzed:** 07/19/2013

Lab Batch ID: 919187 **Sample:** 641576-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	49.0	98	50.0	49.0	98	0	80-120	20	

Analyst: AMB **Date Prepared:** 07/24/2013 **Date Analyzed:** 07/25/2013

Lab Batch ID: 919223 **Sample:** 641580-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	49.0	98	50.0	49.2	98	0	80-120	20	

Analyst: AMB **Date Prepared:** 07/18/2013 **Date Analyzed:** 07/20/2013

Lab Batch ID: 919205 **Sample:** 641593-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	46.4	93	50.0	46.1	92	1	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692 **Project ID:** 073018

Analyst: AMB **Date Prepared:** 07/18/2013 **Date Analyzed:** 07/22/2013

Lab Batch ID: 919218 **Sample:** 641598-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0708	50.0	49.3	99	50.0	49.2	98	0	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

Form 3 - MS Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 918723 **Project ID:** 073018

Date Analyzed: 07/18/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-021 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	4.78	51.2	50.4	89	80-120	

Lab Batch #: 918723

Date Analyzed: 07/18/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466838-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	434	257	753	124	80-120	X

Lab Batch #: 918835

Date Analyzed: 07/16/2013 **Date Prepared:** 07/16/2013 **Analyst:** AMB

QC- Sample ID: 466585-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	178	250	459	112	80-120	

Lab Batch #: 918835

Date Analyzed: 07/17/2013 **Date Prepared:** 07/16/2013 **Analyst:** AMB

QC- Sample ID: 466692-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	3.43	51.5	51.7	94	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 918959 **Project ID:** 073018

Date Analyzed: 07/22/2013 **Date Prepared:** 07/21/2013 **Analyst:** AMB

QC- Sample ID: 466692-084 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	9.65	52.5	59.9	96	80-120	

Lab Batch #: 918959

Date Analyzed: 07/21/2013 **Date Prepared:** 07/21/2013 **Analyst:** AMB

QC- Sample ID: 466970-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	25.4	250	272	99	80-120	

Lab Batch #: 919170

Date Analyzed: 07/17/2013 **Date Prepared:** 07/16/2013 **Analyst:** AMB

QC- Sample ID: 466692-011 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	25.8	275	287	95	80-120	

Lab Batch #: 919181

Date Analyzed: 07/19/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-031 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	20.3	286	306	100	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 919181 **Project ID:** 073018

Date Analyzed: 07/19/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-043 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	28.0	289	284	89	80-120	

Lab Batch #: 919187

Date Analyzed: 07/19/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-053 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	3.97	54.6	57.0	97	80-120	

Lab Batch #: 919187

Date Analyzed: 07/19/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-063 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	33.3	261	289	98	80-120	

Lab Batch #: 919205

Date Analyzed: 07/20/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-073 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	16.6	267	256	90	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 919205 **Project ID:** 073018

Date Analyzed: 07/20/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-083 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	7.09	52.9	51.8	85	80-120	

Lab Batch #: 919218

Date Analyzed: 07/22/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-095 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	25.8	300	319	98	80-120	

Lab Batch #: 919218

Date Analyzed: 07/23/2013 **Date Prepared:** 07/18/2013 **Analyst:** AMB

QC- Sample ID: 466692-104 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	66.6	263	337	103	80-120	

Lab Batch #: 919221

Date Analyzed: 07/24/2013 **Date Prepared:** 07/24/2013 **Analyst:** AMB

QC- Sample ID: 466692-114 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	4.21	51.4	53.1	95	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS Recoveries

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 919221 **Project ID:** 073018

Date Analyzed: 07/24/2013 **Date Prepared:** 07/24/2013 **Analyst:** AMB

QC- Sample ID: 466692-124 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	18.9	305	311	96	80-120	

Lab Batch #: 919223

Date Analyzed: 07/25/2013 **Date Prepared:** 07/24/2013 **Analyst:** AMB

QC- Sample ID: 466692-134 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	5.19	54.7	57.1	95	80-120	

Lab Batch #: 919223

Date Analyzed: 07/25/2013 **Date Prepared:** 07/24/2013 **Analyst:** AMB

QC- Sample ID: 466692-144 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	7.34	52.4	54.3	90	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Sample Duplicate Recovery

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 918473 **Project ID:** 073018

Date Analyzed: 07/15/2013 15:30 **Date Prepared:** 07/15/2013 **Analyst:** MAB

QC- Sample ID: 466692-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	2.95	3.22	9	20	

Lab Batch #: 918474

Date Analyzed: 07/15/2013 16:20 **Date Prepared:** 07/15/2013 **Analyst:** MAB

QC- Sample ID: 466692-021 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	2.27	2.32	2	20	

Lab Batch #: 918591

Date Analyzed: 07/16/2013 10:50 **Date Prepared:** 07/16/2013 **Analyst:** WRU

QC- Sample ID: 466692-040 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	12.8	12.8	0	20	

Lab Batch #: 918597

Date Analyzed: 07/16/2013 11:35 **Date Prepared:** 07/16/2013 **Analyst:** WRU

QC- Sample ID: 466692-060 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	10.3	10.1	2	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Version: 1.%

Sample Duplicate Recovery

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 918599 **Project ID:** 073018
Date Analyzed: 07/16/2013 12:00 **Date Prepared:** 07/16/2013 **Analyst:** WRU
QC- Sample ID: 466692-080 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	12.7	14.4	13	20	

Lab Batch #: 918600
Date Analyzed: 07/16/2013 15:20 **Date Prepared:** 07/16/2013 **Analyst:** WRU
QC- Sample ID: 466692-100 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	4.62	4.96	7	20	

Lab Batch #: 918602
Date Analyzed: 07/16/2013 15:45 **Date Prepared:** 07/16/2013 **Analyst:** WRU
QC- Sample ID: 466692-120 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.61	6.63	0	20	

Lab Batch #: 918691
Date Analyzed: 07/17/2013 14:48 **Date Prepared:** 07/17/2013 **Analyst:** WRU
QC- Sample ID: 466692-143 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.93	6.54	6	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Version: 1.%

Sample Duplicate Recovery

Project Name: North Eunice Gas Plant

Work Order #: 466692

Lab Batch #: 918693 **Project ID:** 073018

Date Analyzed: 07/17/2013 14:15 **Date Prepared:** 07/17/2013 **Analyst:** WRU

QC- Sample ID: 466838-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	2.72	2.88	6	20	

Lab Batch #: 918802

Date Analyzed: 07/18/2013 16:45 **Date Prepared:** 07/18/2013 **Analyst:** WRU

QC- Sample ID: 466970-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.88	1.88	0	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Version: 1.%

XENCO Laboratories
B&A Laboratories, Inc.

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☒ 12600 West I-20 East, Odessa, Tx 79765 432-569-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239576 Page 1 of 15

Company-City CRA Hou **Phone** 713 734 3090

Lab Only: 466692

Proj Name-Location ☑ Previously done at XENCO — N. EUNICE GAS PLANT **Project ID** 073018

Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other NM **Proj. Manager (PM)** MIKE WISNIOWIECKI

e-Mail Results to ☑ PM and MWISNIOWIECKI@CRAWORLD.COM **Fax No:**

Invoice to ☐ Accounting ☑ Inc. Invoice with Final Report ☐ Invoice must have a P.O

Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BRUCE WOODHOUSE Signature

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	Cl-
1	CT 10	13 2'	7/10/13	0910		S		x	1	2	C										✓
2	"	6'		0950																	✓
3	"	10'		1000																	✓
4	"	14'		1005																	✓
5	"	18'		1010																	✓
6	"	22'		1015																	✓
7	"	26'		1020																	✓
8	ST 20	13 2'		1035																	✓
9	"	6'		1040																	✓
10	"	10'		1050																	✓

TAT ASAP 5h	12h	24h	48h	3d	5d	7d	10d	21d
Addn: PAH above		mg/L W,		mg/Kg S Highest Hit				
Hold Samples (Surcharges will apply and are pre-approved)								
Sample Clean-ups are pre-approved as needed								

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Bruce Woodhouse	7/13/13	2)	7/13/13 1430
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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☒ 12600 West I-20 East, Odessa, Tx 79765 432-569-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239577 Page 2 of 15

Company-City: CRA Hou **Phone:** 713 734 8090 **Lab Only:** 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID:** 073018

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other **Proj. Manager (PM):** MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW Signature

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

	Sample ID	Sampling Date	Time	Depth ft/in/m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	ST 20 13'	7/10/13	1055		S		X	1	2	C	
2	" 18'		1100								
3	" 22'		1105								
4	" 26'		1110								
5	ST 19 13 2'		1240								
6	" 6'		1245								
7	" 10'		1250								
8	" 14'		1255								
9	" 18'		1300								
10	" 22'		1305								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
Cl-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Bw Wandhom	7/13/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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☒ 12600 West I-20 East, Odessa, Tx 79765 432-569-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239578 Page 3 of 15

Company-City: CRA Hou Phone: 713 734 3090
Lab Only: 466692
Proj Name-Location: ☐ Previously done at XENCO Project ID: 073018
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.
Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other
Proj. Manager (PM): MIKE WISNOWIECKI
e-Mail Results to ☐ PM and Fax No:
Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:
Quote/Pricing: P.O No: ☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
Sampler Name: BCW Signature:

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	11-	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Remarks: Sample Clean-ups are pre-approved as needed	
1	ST 19	13 26'	7/10/13	1310		S		X	1	2	C										✓					1
2	ST 18	13 2'		1320																	✓					2
3	"	6'		1325																	✓					3
4	"	10'		1330																	✓					4
5	"	14'		1335																	✓					5
6	"	18'		1340																	✓					6
7	"	22'		1345																	✓					7
8	"	26'		1355																	✓					8
9	ST 17	13 2'		1405																	✓					9
10	"	6'		1410																	✓					10

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Bruce Woodham	7/12/13	2)	7/17/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239579 Page 4 of 15

Company-City CRA Hou **Phone** 713 734 3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other

Proj. Manager (PM) MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW Signature

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	ST 17	13' 7/10/13	1415		S		X	1	2	C	
2	"	14'	1420								
3	"	18'	1425								
4	"	22'	1430								
5	"	26'	1435								
6	ST 16	13' 2'	1455								
7	"	6'	1500								
8	"	10'	1505								
9	"	14'	1510								
10	"	18'	1515								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
Cl-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

	Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1	1)	7/13/13	2)	7/13/13 19:30
2	3)		4)	
3	5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239580 Page 5 of 15

Company-City: CRA Hou **Phone:** 713 734 3090
Lab Only: 466692
Proj Name-Location ☐ Previously done at XENCO **Project ID:** 078018
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.
Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other **Proj. Manager (PM):** MIKE WISNIOWIECKI
e-Mail Results to ☐ PM and **Fax No:**
Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:
Quote/Pricing: **P.O No:** ☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
Sampler Name: BW Signature:

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	Cl-
1	ST 16	13 20'	7/10/13 1520		S		X	1	2	C											✓
2	"	26'	1525																		✓
3	ST 15	13 21'	1540																		✓
4	"	6'	1545																		✓
5	"	10'	1550																		✓
6	"	14'	1555																		✓
7	"	18'	1600																		✓
8	"	22'	1605																		✓
9	"	26'	1610																		✓
10	ST 14	13 5'	7/12/13 1150																		✓

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks
Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BW	7/13/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239581 Page 6 of 15

Company-City CRA Hou **Phone** 713 734 3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID**

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other **Proj. Manager (PM)** MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW Signature

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	ST 14 13 6'	7/12/13	1155		S		X	1	2	C	
2	" 10'		1200								
3	" 14'		1205								
4	" 18'		1210								
5	" 22'		1215								
6	" 26'		1220								
7	ST 13 13 2'	7/10/13	1640								
8	" 6'		1645								
9	" 10'		1650								
10	" 14'		1655								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
C/-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

From:
Rcv by:
Date
Addn:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Bruce Woodham	7/13/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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B&A Laboratories, Inc.

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239575 Page 7 of 15

Company-City: CRA Hou **Phone:** 713 734 3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID:** 078018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other

Proj. Manager (PM): MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name: BW Signature:

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	ST Dup #1	7/10/13	—		S		X	1	2	C	
2	ST 13-13 18'		~~1600~~	1700							
3	" 22'		~~1605~~	1705							
4	" 26'		~~1610~~	1710							
5	CT 7-13 2'	7/11/13	0840								
6	6'		0845								
7	10'		0850								
8	14'		0855								
9	18'		0900								
10	22'		0905								

	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP
1									✓
2									✓
3									✓
4									✓
5									✓
6									✓
7									✓
8									✓
9									✓
10									✓

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Brian Wondhom	7/12/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239643 Page 8 of 15

Company-City: CRA HOU
Phone: 713 734 8090
Lab Only: 466692
Proj Name-Location: ☐ Previously done at XENCO
Project ID: 073018
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.
Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other
Proj. Manager (PM): MIKE WISNIOWIECKI
e-Mail Results to ☐ PM and
Fax No:
Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:
Quote/Pricing:
P.O No:
☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
Sampler Name: BW
Signature: Bruce Woodham

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	CT 7-13 26'	7/11/13	0910		S		X	1	2	C	
2	CT 8-13 2'		1020								
3	6'		1025								
4	10'		1030								
5	14'		1035								
6	18'		1040								
7	22'		1045								
8	26'		1050								
9	CT 9-13 2'		1400								
10	" 6'		1405								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
Cl-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks
From:
Rcv by:
Date
Addn:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Bruce Woodham	7/13/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239642 Page 9 of 15

Company-City CRA Hou **Phone** 713 734-3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other

Proj. Manager (PM) MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW Signature Brad Woodham

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	CT 9-13 10'	7/11/13	1410		S		X	1	2	C	
2	14'		1415								
3	18'		1420								
4	22'		1425								
5	26'		1430								
6	CT 6-13 2'		1510								
7	6'		1515								
8	10'		1520								
9	14'		1525								
10	18'		1530								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
Cl-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Brad Woodham	7/13/13	2)	7/13/13 1430
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239644 Page 10 of 15

Company-City CRA Hou **Phone** 713-734-3090

Lab Only: 46dd97b

Proj Name-Location ☐ Previously done at XENCO **Project ID** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other

Proj. Manager (PM) MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BLW Signature

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	CT 6-13 22'	7/11/13	1535		S		X	1	2	C	
2	" 26'		1540								
3	CT 5-13 2'		1555								
4	" 6'		1600								
5	" 10'		1605								
6	" 14'		1610								
7	" 18'		1615								
8	" 22'		1620								
9	" 26'		1625								
10	CT 4-13 2'		1640								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
21-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BLW	7/12/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239646 Page 11 of 15

Company-City CRA HOU **Phone** 713 734 3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other

Proj. Manager (PM) MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW Signature

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	Cl-
1	CT 4-B	6'	7/11/13	1645		S		X	1	2	C										
2		10'		1650																	
3		14'		1655																	
4		18'		1700																	
5		22'		1705																	
6		26'		1710																	
7	CT 3-B	2'		1720																	
8		6'		1725																	
9		10'		1730																	
10		14'		1735																	

Remarks

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Addn: Date From: Rcv by:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BW	7/12/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239645 Page 12 of 15

Company-City	CRA Hou	**Phone**	713 734 3090
Lab Only:	466692		
Proj Name-Location	☐ Previously done at XENCO	**Project ID**	073018
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.			
Proj State: TX, AL, FL ,GA, LA, MS, NC, NJ, PA, SC, TN , UT Other		**Proj. Manager (PM)**	MIKE WASNIOWIECKI
e-Mail Results to ☐ PM and		**Fax No:**	
Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O Bill to:			
Quote/Pricing:		**P.O No:**	☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP			
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:			
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)			
Sampler Name BCW		Signature	Ben Woodham

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	CT 3-13	18' 7/11/13	1740		S		X	1	2	C	
2		22'	1745								
3		26'	1750								
4	CT Dup #2		—								
5	CT 2-13	2'	0830								
6		6'	0835								
7		10'	0840								
8		14'	0845								
9		18'	0850								
10		22'	0855								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
Cl-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

Addn: Date Rcv by: From:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Ben Woodham	7/13/13	2) [signature] M.	7/13/13 1430
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

XENCO Laboratories

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☐ 9701 Harry Hines Blvd., Dallas, TX 75220 **214-902-0300**
☒ 12600 West I-20 East, Odessa, TX 79765 **432-563-1800**

Serial #: 323879 Page 13 of 15

Company-City CRA Hou **Phone** 713 734 3090

Lab Only: 41dde92

Project Name-Location ☐ Previously done at XENCO **Project ID** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other

Proj. Manager (PM) MIKE WISNIOWIECKI

E-mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O.
Bill to:

Quote/Pricing: **P.O. No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW **TRRP**

QAPP Per-Contract CLP AGCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name BW **Signature**

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	CT 2-13 26'	7/12/13	0900		S		X	1	2	C	
2	CT Dup #3		—								
3	CT 1-13 2'		0940								
4	6'		0945								
5	10'		0950								
6	14'		~~0955~~ 0955								
7	18'		1000								
8	22'		1005								
9	26'		1010								
10	ST 11-13 2'		1020								

	Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1	1) BW	7/13/13	2)	7/13/13 14:30
2	3)		4)	
3	5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0 °C

Otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

	VOA: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOA: PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs SIM 8310 8270	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCLP PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Remarks: Sample Clean-ups are pre-approved as needed	Addn: Date Rcv. by: From:
1									C1-					1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool, <4C) (**C**), None (**NA**),See Label (**L**), Other (**O**) _____
Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (**V**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid (**S**), Water (**W**), Liquid (**L**)

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B&A Laboratories, Inc.

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☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☒ 12600 West I-20 East, Odessa, Tx 79765 432-569-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239572 Page 14 of 15

Company-City: CRA Hou **Phone:** 713 734 3090

Lab Only: 466692

Proj Name-Location ☐ Previously done at XENCO **Project ID:** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other **Proj. Manager (PM):** MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name: BW Signature:

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	ST 11-13 6'	7/12/13	1025		S		X	1	2	C	
2	10'		1030								
3	14'		1035								
4	18'		1040								
5	22'		1043								
6	26'		1050								
7	ST Dup #1		—								
8	ST 12-13 2'		1110								
9	6'		1115								
10	10'		1120								

VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP
C1-

TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)
Sample Clean-ups are pre-approved as needed

Remarks

From: Addn: Date Rcv by:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BW	7/13/13	2)	7/13/13 14:30
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

Final 1.000

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☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239571 Page 15 of 15

Company-City: CRA HOU **Phone:** 713 734 3090

Lab Only: 466de92

Proj Name-Location ☐ Previously done at XENCO **Project ID:** 073018

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other **Proj. Manager (PM):** MIKE WISNIOWIECKI

e-Mail Results to ☐ PM and **Fax No:**

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name: BW Signature:

Remarks

From: Rcv by: Date Addn:

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed
1	ST 12-13	14'	7/12/13 1125		S		X	1	2	C										C1-				
2		18'	1130																					
3		22'	1135																					
4		26'	1140																					
5	ST Dup #2		—																					
6	ST Dup #2	7/10/13	—																					
7																								
8																								
9																								
10																								

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BW	7/13/13	2)	7/13/13 (14:3
3)		4)	
5)		6)	

Total Containers per COC: 10 Cooler Temp: 3.0°C

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Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (**W**), Liquid (**L**)

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Conestoga Rovers & Associates

Date/ Time Received: 07/13/2013 02:30:00 PM

Work Order #: 466692

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**Yes**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Kelsey Brooks Date: 07/16/2013

Checklist reviewed by: Kelsey Brooks Date: 07/16/2013