GW - 211

Q4 2010 Quarterly Monitoring Report

Date: 1/25/11

Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS GP, LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

January 25, 2011

Return Receipt Requested
7010 0290 0002 7763 7913

Mr. Jim Griswold, Senior Hydrologist
Environmental Bureau
ENMRD/Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: ***Quarterly Groundwater Monitoring Report***
Largo Compressor Station
Enterprise Field Services, LLC
OCD GW Discharge Permit Number: GW-211
Rio Arriba County, New Mexico

Attn: Leonard Lowe

Dear Mr. Griswold,

Enterprise Field Services, LLC (Enterprise) is submitting two (2) copies of the enclosed *Quarterly Groundwater Monitoring Report*, dated December 29, 2010, for our Largo Compressor Station referenced above. This report documents the results of the November 2010 quarterly groundwater sampling event at the condensate storage tank release site located at this facility.

Previously submitted reports for this facility include the *Interim Remedial Investigation Report* dated May 15, 2010, and the *Proposed Facility-Wide Soil and Groundwater Investigation and Remedial Activities* report dated June 10, 2010. During previous quarterly groundwater monitoring events this year, Enterprise noted increases in dissolved-phase constituents at several well locations. These increases have declined during the last two quarterly monitoring events, and appear to be related to seasonal increases in water levels. No phase-separated hydrocarbon (PSH) was present at any monitoring location.

Due to delays in removing the condensate tanks from service, Enterprise is currently planning additional insitu soil treatment of areas with affected soils and groundwater. Although groundwater and soil impacts have been delineated, and there is no apparent migration of affected groundwater from the immediate vicinity of the condensate tanks, this soil treatment will effectively reduce remaining hydrocarbon concentrations in vadose zone soils. A work plan will be submitted to the OCD prior to project implementation. Final remedial actions in this area of the facility will be completed when the tanks can be permanently removed from service.

During November 2010, the approved facility-wide delineation investigation of the remainder of the Largo facility was conducted. Results from this investigation are currently being evaluated, and will be submitted to the OCD with recommendations to complete the delineation of historical soil and groundwater impacts at the facility. Recommendations will also be provided in this report for any interim remedial actions necessary to control any potential for offsite migration of affected groundwater until final remedial actions can be implemented.

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If you have any questions, or require additional information, please do not hesitate to contact me at (713) 381-2286 or drsmith@eprod.com.

Sincerely,

David R. Smith, P.G.
Sr. Environmental Scientist

Rodney M. Sartor, REM
Manager, Remediation

/dep
Enclosure

cc: Brandon Powell, New Mexico Oil Conservation Division, 1000 Rio Brazos Road, Aztec, NM 87410
H. C. Berry, P.O. Box 579, Dexter, NM 88230

ec: Chris Mitchell, Southwest Geoscience
Kyle Summers, Southwest Geoscience

COMPLIANCE / ENGINEERING / REMEDIATION

LT Environmental, Inc.
[illegible] Main Avenue, Suite 3
[illegible], Colorado 81401
T 970.385.1096
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December 29, 2010

Mr. David R. Smith, P.G.
Enterprise Field Services, LLC
P.O. Box 4324
Houston, Texas 77210-4324

RE: Quarterly Groundwater Monitoring Report
Largo Compressor Station, GW-211
Rio Arriba County, New Mexico

Dear Mr. Smith:

On November 18, 2010, LT Environmental, Inc. (LTE) conducted quarterly groundwater monitoring at Enterprise Field Services, LLC's (Enterprise) Largo Compressor Station (Site). The Site is located in Section 21 of Township 26 North, Range 12 West in Rio Arriba County, New Mexico. Enterprise is remediating an area in the northeastern portion of the Site following a release of 505 barrels (bbls) of natural gas condensate that occurred on January 4, 2008. Six aboveground storage tanks and two sub-grade drain tanks are set in a below-grade area surrounded by an earthen/gravel berm. As documented in two subsurface investigations (*Report of Subsurface Investigation at Largo Compressor Station*, December 2009 and *Interim Remedial Investigation Report*, May 2010), soil and groundwater impacts are limited to the bermed area and slightly outside of the bermed area in the downgradient (northwest) direction. Enterprise intends to remove the storage tanks once operations can be rerouted, and soils impacted by hydrocarbons will be excavated at that time. Interim measures have been implemented and include installation of oxygen release compound (ORC) to impede downgradient migration of dissolved phase contaminants, monthly monitoring of water levels and dissolved oxygen (DO) concentrations in monitoring wells, and quarterly groundwater sampling to monitor downgradient migration. The following report describes the methods used to collect the third quarter groundwater samples, presents laboratory analytical results and monthly monitoring data, and offers recommendations for future work at the Site.

Methods

LTE collected groundwater samples from ten 2-inch monitoring wells and one 4-inch monitoring well. A site map with well locations is presented as Figure 1. Prior to sampling, depth to groundwater and total depth of wells were measured to the nearest one-hundredth of a foot using a Keck® oil-water interface probe. The interface probe was decontaminated with Alconox® soap and rinsed with deionized water after each measurement. The presence of any phase separated hydrocarbon (PSH) would also be documented based on the interface probe findings. The volume of water in the wells was calculated, and a minimum of three casing volumes of water was purged (when possible) from each well using a dedicated disposable bailer. As water was

removed from the well, pH, electric conductivity, and temperature were monitored for stabilization. Wells were purged until these properties stabilized, indicating that the purge water was representative of aquifer conditions, or until the well was bailed dry. Stabilization is defined as three consecutive stable readings for each water property (±0.4 units for pH, ±10 % for electric conductivity, and ±2° C for temperature). All purge water was disposed of into a sump located on the Site. Purging data was recorded on the attached *Well Purging and Sampling Logs* (Appendix 1)

Once each monitoring well was sufficiently purged, groundwater samples were collected by filling four 40-milliliter (ml) glass vials. The pre-cleaned and pre-preserved (with mercuric chloride) vials were filled and capped with zero headspace to prevent degradation of and loss of volatiles in the sample. Samples were labeled at the time of sample collection with the date and time of collection, sample identifier, project name, sampler's name, and parameters to be analyzed. They were immediately packed on ice. The samples were shipped to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico in a sealed cooler via overnight ground transportation. Proper chain-of-custody (COC) procedures were followed documenting the date and time sampled, sample number, type of sample, sampler's name, preservative used, and required analyses. HEAL analyzed the groundwater samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) via U.S. Environmental Protection Agency (EPA) Method 8260 and total petroleum hydrocarbons (TPH) via EPA Method 8015B.

Results

Top of casing elevations for each groundwater monitoring well were surveyed by a licensed surveyor in July of 2010. Depth to groundwater measurements for each well are presented in Table 1. These data were used to calculate groundwater elevations, which ranged from 6,094.66 feet amsl in MW-12 to 6096.21 feet above mean sea level (amsl) in MW-9. Groundwater elevations in all wells decreased less than one tenth of a foot since July 2010, except for MW-12 which decreased 1.03 feet since July 2010. No PSH was observed during this sampling event. The potentiometric surface map depicts groundwater throughout the Site flowing towards the north/northwest and a groundwater depression is present around MW-12. A potentiometric surface map is depicted on Figure 2. Due to the large change recorded in MW-12, the groundwater elevation from this well was not used to construct the potentiometric surface map.

Laboratory analytical results are summarized in Table 2 and depicted on Figure 3. The complete analytical laboratory report from HEAL is attached to this letter (Appendix 2). MW-7 and MW-12 contained benzene concentrations above the New Mexico Water Quality Control Commission (NMWQCC) standard. Additionally, MW-12 contained concentrations of total xylenes in excess of the NMWQCC standard. None of the other wells contained BTEX in excess of the NMWQCC standard. Historical groundwater sampling results are presented in Table 2 for comparison.

Results indicate that the total BTEX concentration in all wells decreased compared to the July 13, 2010 sampling event. Benzene levels in MW-15 dropped below the NMWQCC standard of 10 micrograms per liter (µg/l) during this event.

Conclusions

MW-11 and MW-12 are located within the bermed area at the original source. With the exception of MW-12, water levels remained generally consistent from August 2010 until November 2010. The current water level depression at MW-12 could be seasonal or the result of a recording error during data collection. Continued monitoring will confirm if a seasonal depression exists.

BTEX concentrations in wells MW-3R, MW-7, MW-11, MW-12, MW-15 and MW-16 dropped since the previous quarter. The most significant change was a decrease of 85 ug/L in benzene concentrations observed in MW-11. As presented in the June 28, 2010 quarterly monitoring report, a similar change was previously observed in this location following conversion of a piezometer (P-2) to a 2-inch monitoring well. Additional monitoring is necessary to determine if these fluctuations are consistent.

The decrease in BTEX concentrations in wells MW-3R, MW-7, and MW-15 could be related to the ORC application. However, it is not yet apparent if sufficient oxygen is being delivered to enhance the rate of biological degradation. Further analysis of BTEX concentrations in the groundwater are required to measure effectiveness of the ORC application.

Recommendations

In consideration of results presented in this report, LTE recommends the following actions for the Site:

- Continue quarterly groundwater sampling to monitor groundwater quality and migration of dissolved phase contaminants;
- Begin quarterly monitoring for oxidation-reduction potential (ORP) during future sampling events; and
- If additional migration continues before removal of the source material is feasible, consider additional ORC injection.

LTE appreciates the opportunity to perform these services for Enterprise. Should you have any questions or require additional information, please contact me at 970-385-1096 or via email at aager@ltenv.com.

Sincerely,
LT ENVIRONMENTAL, INC.

Ashley L. Ager
Principal Geologist/Office Manager

CC: Rex Meyer, GeoMonitoring Services

Attachments

Figure 1 – Site Map
Figure 2 – Groundwater Potentiometric Surface Map
Figure 3 – Groundwater Analytical Results Map

Table 1 – Groundwater Elevation Data
Table 2 – Groundwater Analytical Results

Appendix 1 – Well Purging and Sampling Logs
Appendix 2 – Laboratory Report

TABLES

TABLE 1

DEPTH TO GROUNDWATER, PRODUCT, AND GROUNDWATER ELEVATION
LARGO COMPRESSOR STATION
ENTERPRISE FIELD SERVICES

Well ID	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)*	Groundwater Elevation (feet AMSL)	Dissolved Oxygen (mg/L)
MW-3R	4/5/2010	0.00	21.83	0.00	6117.47	6095.64	NM
MW-3R	5/27/2010	0.00	21.82	0.00	6117.47	6095.65	NM
MW-3R	6/25/2010	0.00	22.22	0.00	6117.47	6095.25	0.68
MW-3R	7/13/2010	0.00	22.47	0.00	6117.47	6095.00	3.25
MW-3R	8/26/2010	0.00	22.24	0.00	6117.47	6095.23	NM
MW-3R	11/18/2010	0.00	22.32	0.00	6117.47	6095.15	NM
MW-6	8/10/2009	0.00	20.28	0.00	6115.47	6095.19	NM
MW-6	11/24/2009	0.00	20.17	0.00	6115.47	6095.30	NM
MW-6	2/25/2010	0.00	19.54	0.00	6115.47	6095.93	NM
MW-6	4/5/2010	0.00	19.11	0.00	6115.47	6096.36	NM
MW-6	5/27/2010	0.00	19.28	0.00	6115.47	6096.19	NM
MW-6	6/25/2010	0.00	19.87	0.00	6115.47	6095.60	1.15
MW-6	7/13/2010	0.00	20.09	0.00	6115.47	6095.38	1.32
MW-6	8/26/2010	0.00	19.68	0.00	6115.47	6095.79	NM
MW-6	11/18/2010	0.00	19.72	0.00	6115.47	6095.75	NM
MW-7	8/10/2009	0.00	21.52	0.00	6116.65	6095.13	NM
MW-7	11/24/2009	0.00	21.73	0.00	6116.65	6094.92	NM
MW-7	2/25/2010	0.00	21.42	0.00	6116.65	6095.23	NM
MW-7	4/5/2010	0.00	20.96	0.00	6116.65	6095.69	NM
MW-7	5/27/2010	0.00	20.96	0.00	6116.65	6095.69	NM
MW-7	6/25/2010	0.00	21.32	0.00	6116.65	6095.33	0.97
MW-7	7/13/2010	0.00	21.46	0.00	6116.65	6095.19	5.85
MW-7	8/26/2010	0.00	21.36	0.00	6116.65	6095.29	NM
MW-7	11/18/2010	0.00	21.42	0.00	6116.65	6095.23	NM
MW-8	8/10/2009	0.00	23.17	0.00	6118.28	6095.11	NM
MW-8	11/24/2009	0.00	23.43	0.00	6118.28	6094.85	NM
MW-8	2/25/2010	0.00	23.25	0.00	6118.28	6095.03	NM
MW-8	4/5/2010	0.00	22.97	0.00	6118.28	6095.31	NM
MW-8	5/27/2010	0.00	22.85	0.00	6118.28	6095.43	NM
MW-8	6/25/2010	0.00	23.01	0.00	6118.28	6095.27	0.59
MW-8	7/13/2010	0.00	23.21	0.00	6118.28	6095.07	1.76
MW-8	8/26/2010	0.00	23.23	0.00	6118.28	6095.05	NM
MW-8	11/18/2010	0.00	23.30	0.00	6118.28	6094.98	NM
MW-9	8/10/2009	0.00	21.95	0.00	6117.83	6095.88	NM

Well ID	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)*	Groundwater Elevation (feet AMSL)	Dissolved Oxygen (mg/L)
MW-9	11/24/2009	0.00	21.98	0.00	6117.83	6095.85	NM
MW-9	2/25/2010	0.00	21.51	0.00	6117.83	6096.32	NM
MW-9	4/5/2010	0.00	21.00	0.00	6117.83	6096.83	NM
MW-9	5/27/2010	0.00	21.10	0.00	6117.83	6096.73	NM
MW-9	6/25/2010	0.00	21.56	0.00	6117.83	6096.27	1.10
MW-9	7/13/2010	0.00	21.77	0.00	6117.83	6096.06	1.01
MW-9	8/26/2010	0.00	21.58	0.00	6117.83	6096.25	NM
MW-9	11/18/2010	0.00	21.62	0.00	6117.83	6096.21	NM
MW-11	4/5/2010	0.00	20.57	0.00	6116.65	6096.08	NM
MW-11	5/27/2010	0.00	20.75	0.00	6116.65	6095.90	NM
MW-11	6/25/2010	0.00	21.33	0.00	6116.65	6095.32	1.00
MW-11	7/13/2010	0.00	21.54	0.00	6116.65	6095.11	1.32
MW-11	8/26/2010	0.00	21.17	0.00	6116.65	6095.48	NM
MW-11	11/18/2010	0.00	21.16	0.00	6116.65	6095.49	NM
MW-12	4/5/2010	0.00	14.88	0.00	6111.24	6096.36	NM
MW-12	5/27/2010	0.00	15.11	0.00	6111.24	6096.13	NM
MW-12	6/25/2010	0.00	15.67	0.00	6111.24	6095.57	1.22
MW-12	7/13/2010	0.00	15.91	0.00	6111.24	6095.33	1.09
MW-12	8/26/2010	0.00	15.55	0.00	6111.24	6095.69	NM
MW-12	11/18/2010	0.00	16.58	0.00	6111.24	6094.66	NM
MW-13	4/5/2010	0.00	19.26	0.00	6115.46	6096.20	NM
MW-13	5/27/2010	0.00	19.47	0.00	6115.46	6095.99	NM
MW-13	6/25/2010	0.00	20.07	0.00	6115.46	6095.39	1.09
MW-13	7/13/2010	0.00	20.28	0.00	6115.46	6095.18	2.15
MW-13	8/26/2010	0.00	19.86	0.00	6115.46	6095.60	NM
MW-13	11/18/2010	0.00	19.91	0.00	6115.46	6095.55	NM
MW-14	4/5/2010	0.00	20.09	0.00	6115.99	6095.90	NM
MW-14	5/27/2010	0.00	20.28	0.00	6115.99	6095.71	NM
MW-14	6/25/2010	0.00	20.94	0.00	6115.99	6095.05	0.83
MW-14	7/13/2010	0.00	21.19	0.00	6115.99	6094.80	1.53
MW-14	8/26/2010	0.00	20.70	0.00	6115.99	6095.29	NM
MW-14	11/18/2010	0.00	20.73	0.00	6115.99	6095.26	NM
MW-15	4/5/2010	0.00	20.66	0.00	6116.49	6095.83	NM
MW-15	5/27/2010	0.00	20.82	0.00	6116.49	6095.67	NM
MW-15	6/25/2010	0.00	21.43	0.00	6116.49	6095.06	0.73
MW-15	7/13/2010	0.00	21.64	0.00	6116.49	6094.85	4.28
MW-15	8/26/2010	0.00	21.25	0.00	6116.49	6095.24	NM
MW-15	11/18/2010	0.00	21.36	0.00	6116.49	6095.13	NM

Well ID	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)*	Groundwater Elevation (feet AMSL)	Dissolved Oxygen (mg/L)
MW-16	4/5/2010	0.00	21.51	0.00	6117.57	6096.06	NM
MW-16	5/27/2010	0.00	21.59	0.00	6117.57	6095.98	NM
MW-16	6/25/2010	0.00	22.10	0.00	6117.57	6095.47	1.04
MW-16	7/13/2010	0.00	22.29	0.00	6117.57	6095.28	1.11
MW-16	8/26/2010	0.00	22.05	0.00	6117.57	6095.52	NM
MW-16	11/18/2010	0.00	22.11	0.00	6117.57	6095.46	NM

Notes:

* Top of Casing Elevation is based on a professional survey conducted on 7/13/2010. The professional survey was retro-actively applied to historical data to re-calculate previously calculated elevation data.

amsl - above mean sea level

BTOC - below top of casing

mg/L - milligrams per liter

NM - not measured

TABLE 2

GROUNDWATER RESULTS
LARGO COMPRESSOR STATION
ENTERPRISE FIELD SERVICES

Well ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Gasoline Range Organics (mg/L)	Diesel Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
NMWQCC Groundwater Standard		**10**	**750**	**750**	**620**	**n/e**	**n/e**	**n/e**
MW-3R	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-3R	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-3R	7/13/2010	**13**	<1.0	1.3	6.4	1.4	<1.0	<5.0
MW-3R	8/26/2010	5	<1.0	<1.0	2.3	0.46	<1.0	<5.0
MW-3R	11/18/2010	3.9	<1.0	<1.0	<2.0	0.47	<1.0	<5.0
MW-6	8/10/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-6	11/24/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-6	2/25/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-6	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-6	7/13/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	8/26/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	11/18/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	8/10/2009	**15,000**	<100	380	310	NA	NA	NA
MW-7	11/24/2009	**13,000**	<100	150	<200	NA	NA	NA
MW-7	2/25/2010	**3,000**	<10	40	31	NA	NA	NA
MW-7	4/5/2010	**940**	<10	<10	<20	4.2	1.3	<5.0
MW-7	5/27/2010	**700**	<10	11	<20	NA	NA	NA
MW-7	7/13/2010	**15,000**	<10	130	25	51	4.6	<15
MW-7	8/26/2010	**5,300**	<20	35	<40	18	1.7	<5.0
MW-7	11/18/2010	**3,700**	<20	62	<40	11	1.2	<5.0
MW-8	8/10/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-8	11/24/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-8	2/25/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-8	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-8	7/13/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	8/26/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	11/18/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	8/10/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-9	11/24/2009	<1.0	<1.0	<1.0	<2.0	NA	NA	NA

Well ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Gasoline Range Organics (mg/L)	Diesel Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
NMWQCC Groundwater Standard		10	750	750	620	n/e	n/e	n/e
MW-9	2/25/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-9	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-9	7/13/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	8/26/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	11/18/10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	4/5/2010	<1.0	1.70	<1.0	3.3	0.22	<1.0	<5.0
MW-11	5/27/2010	4.4	<1.0	<1.0	<2.0	NA	NA	NA
MW-11	7/13/2010	**700**	4.5	11	56	3.6	1.2	<5.0
MW-11	8/26/2010	**86**	<1.0	1.3	4.9	0.4	<1.0	<5.0
MW-11	11/18/10	<1.0	<1.0	<1.0	<2.0	0.14	<1.0	<5.0
MW-12	4/5/2010	**1,300**	**1,600**	110	**2,200**	20	1	<5.0
MW-12	5/27/2010	**3,300**	**1,800**	180	**3,200**	NA	NA	NA
MW-12	7/13/2010	**2,900**	330	140	**1,700**	22	1.0	<5.0
MW-12	8/26/2010	**1,200**	420	70	**1,300**	13	<1.0	<5.0
MW-12	11/18/10	**1,100**	69	61	**720**	6.3	<1.0	<5.0
MW-13	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-13	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-13	7/13/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-13	8/26/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-13	11/18/10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-14	4/5/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-14	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-14	7/13/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-14	8/26/2010	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-14	11/18/10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-15	4/5/2010	1.1	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-15	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-15	7/13/2010	**490**	2.2	7.2	15	3.2	<1.0	<5.0
MW-15	8/26/2010	**20**	<1.0	<1.0	<2.0	0.095	<1.0	<5.0
MW-15	11/18/2010	8.9	<1.0	<1.0	<2.0	0.19	<1.0	<5.0
MW-16	4/5/2010	3.8	1.5	1.4	11	0.36	<1.0	<5.0
MW-16	5/27/2010	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-16	7/13/2010	**47**	<1.0	<1.0	<2.0	0.3	<1.0	<5.0
MW-16	8/26/2010	**16**	<1.0	<1.0	<2.0	0.095	<1.0	<5.0

Well ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Gasoline Range Organics (mg/L)	Diesel Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
NMWQCC Groundwater Standard		**10**	**750**	**750**	**620**	**n/e**	**n/e**	**n/e**
MW-16	11/18/2010	3.4	<1.0	<1.0	<2.0	0.11	<1.0	<5.0

Notes:

ug/L - micrograms per liter
mg/L- miligrams per liter
DRO - diesel range organics
MRO - motor oil range organics
GRO - gasoline range organics
ND - Not Detected
NA - Not Analyzed
NMWQCC - New Mexico Water Quality Control Commission
Bold font indicates value exceeds NMWQCC Standard

FIGURES

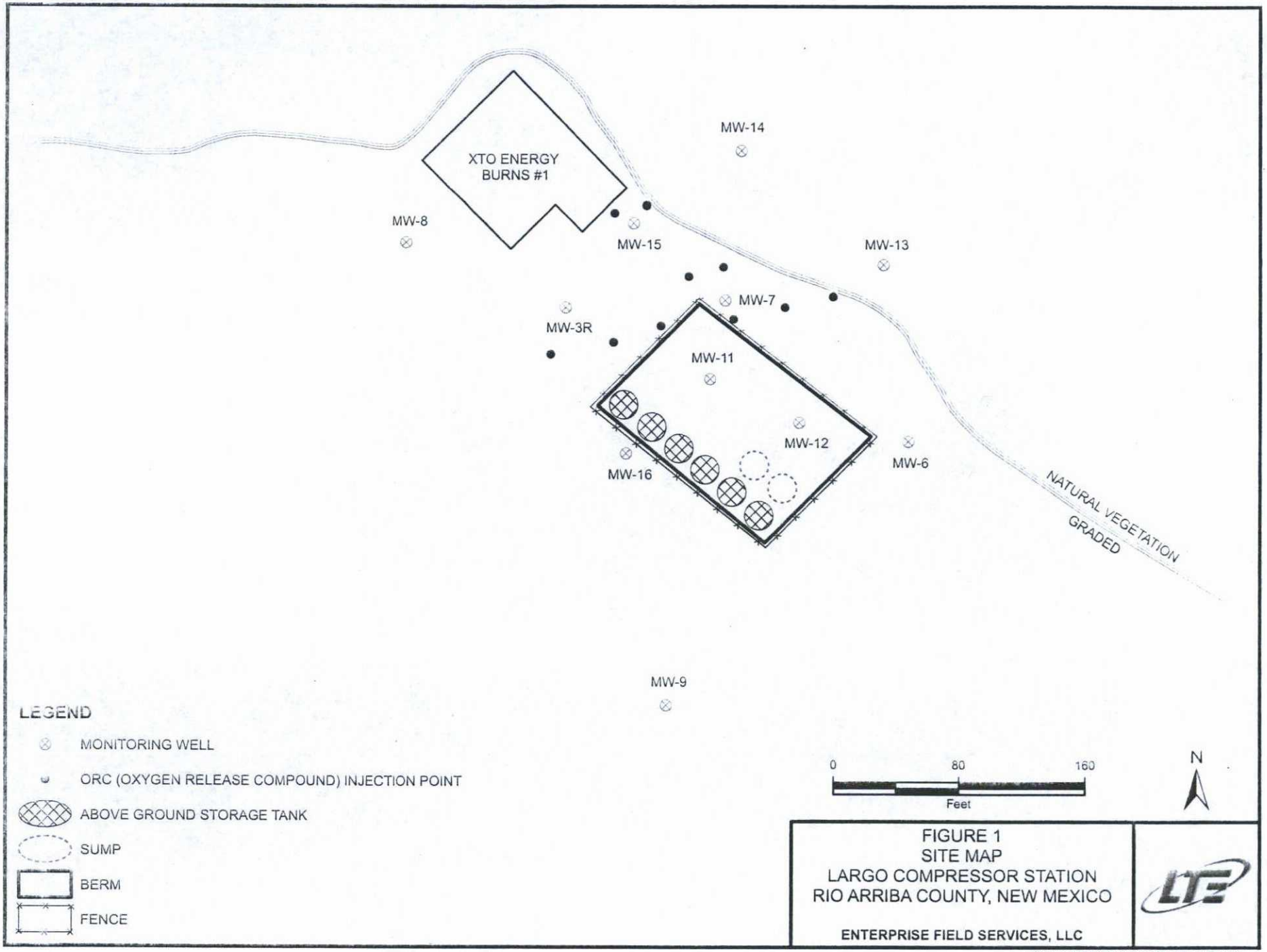

FIGURE 1
SITE MAP
LARGO COMPRESSOR STATION
RIO ARRIBA COUNTY, NEW MEXICO

ENTERPRISE FIELD SERVICES, LLC

P:\Enterprise\GIS\MXD\GMS1002\GMS1002_FIG_1_SITE_LARGO.mxd

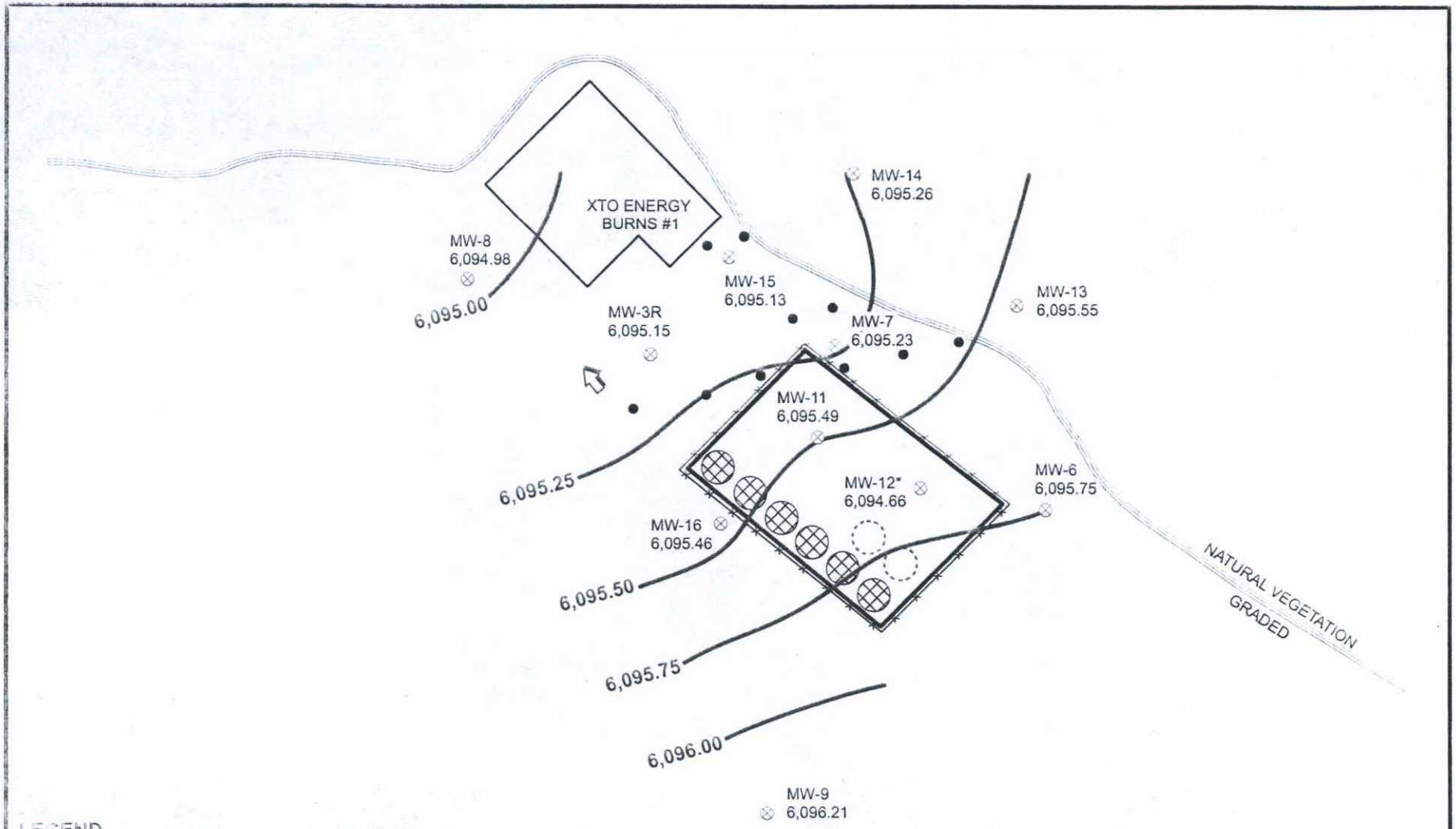

FIGURE 2
GROUNDWATER ELEVATION MAP
LARGO COMPRESSOR STATION
RIO ARRIBA COUNTY, NEW MEXICO

ENTERPRISE FIELD SERVICES, LLC

P:\Enterprise\GIS\MXD\GMS1002\GMS1002_FIG_3_GWELEV_LARGO_2010_Q4.mxd

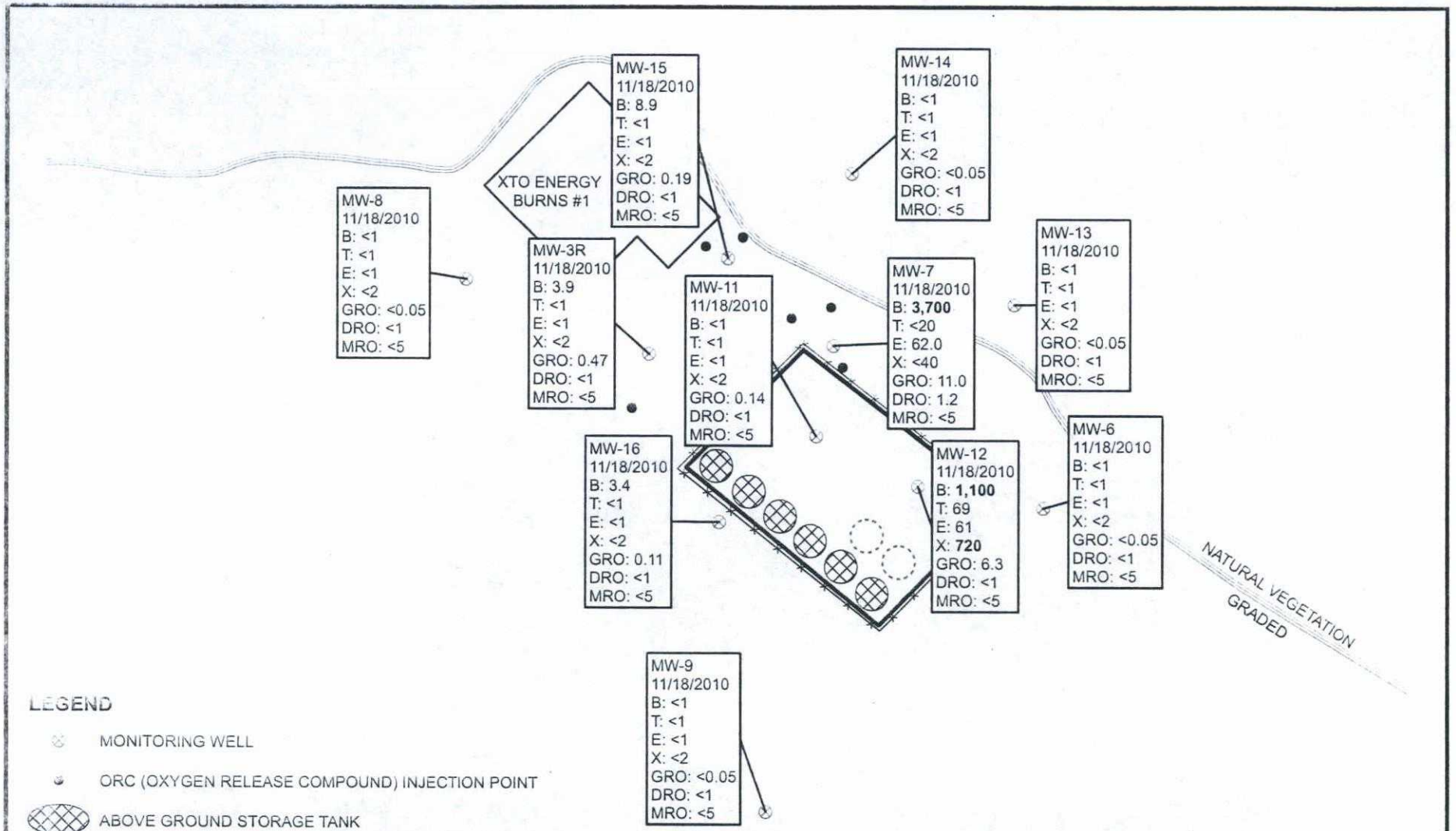

FIGURE 3
GROUNDWATER ANALYTICAL RESULTS
LARGO COMPRESSOR STATION
RIO ARRIBA COUNTY, NEW MEXICO

ENTERPRISE FIELD SERVICES, LLC

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APPENDIX 1
WELL PURGING AND SAMPLING LOGS

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-3R
Client: Enterprise | Date: 11/18/2010 | Time: 10:38
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 22.32 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 31.4 ft | Product Thickness: NA ft
Water Column Height: 9.08 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	9.08	1.480948	4.44

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
10:41	7.50	13.33	15.4				0.25	clear, no odor
10:42	7.58	13.34	15.4				0.5	no change
10:42	7.58	13.41	15.5				0.75	lt. brown, some silt
10:43	7.59	13.36	15.3				1	no change
10:48	7.66	13.07	15.1				2	bailing dry
10:49	7.66	13.26	14.7				2.125	bailing dry
Final:								

COMMENTS: 4 VOA's preserved with HgCl2. Well bailed down and was unable to recover.

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-3R | Sample Time: 10:57

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: NA

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-6
Client: Enterprise | Date: 11/18/2010 | Time: 12:53
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 19.72 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 27.62 ft | Product Thickness: NA ft
Water Column Height: 7.9 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	7.9	1.28849	3.87

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
12:54	7.67	7.05	15.4				0.25	clear, no odor
12:55	7.71	7.11	15.3				0.5	slightly cloudy
12:56	7.71	7.19	15.3				0.75	minor silt
12:57	7.72	7.12	15.2				1	light brown, minor silt
12:58	7.70	7.20	15.2				1.5	no change
12:59	7.69	7.14	15.0				2	no change
13:02	7.68	6.52	14.8				2.5	more turbid
13:04	7.69	6.22	14.8				3	no change
13:06	7.67	6.19	14.8				3.5	no change
13:08	7.67	6.18	14.7				3.75	bailing down
Final: 13:10	7.66	6.18	14.7				3.85	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor on site sump

Sample ID: MW-6 | Sample Time: 13:15

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-7
Client: Enterprise | Date: 11/18/2010 | Time: 14:28
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 21.42 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 27.85 ft | Product Thickness: NA ft
Water Column Height: 6.43 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	6.43	1.048733	3.15

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
14:30	7.93	8.82	16.4				0.25	Yellowish clear, strong HC Odor
14:31	7.91	8.91	16.0				0.5	clearish dark black, minor silt w/ black flecks
14:32	7.92	8.83	16.1				0.75	no change
14:33	7.91	9.08	16.0				1	no change
14:35	7.91	8.96	16.2				1.4	no change
14:36	7.89	9.15	16.0				1.85	darker grey
14:37	7.89	9.31	16.1				2.5	more silt
14:38	7.90	9.30	16.0				2.75	no change
14:39	7.91	9.31	16.1				2.9	no change
14:40	7.92	9.33	16.0				3.3	no change
Final:	7.92	9.33	16.0				3.3	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-7 | Sample Time: 14:46

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-8
Client: Enterprise | Date: 11/18/2010 | Time: 10:05
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 23.3 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 28.11 ft | Product Thickness: NA ft
Water Column Height: 4.81 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	4.81	0.784511	2.35

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
10:12	7.93	4.56	14.4				0.25	clear, no odor, no silt
10:13	8.04	4.55	14.6				0.5	clear, some silt
10:14	8.08	4.57	14.5				0.75	clearish grey, some silt
10:15	8.09	4.67	14.6				1	bailing down
10:17	8.09	4.58	14.5				1.25	no change
10:20	7.93	5.27	14.4				1.8	no change
10:21	7.96	5.27	14.4				2	no change
10:22	7.98	6.10	14.6				2.25	clear to lt. brown, some silt
10:23	7.99	5.60	14.5				2.5	no change
Final:	7.99	5.60	14.5				2.5	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-8 | Sample Time: 10:30

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-9
Client: Enterprise | Date: 11/18/2010 | Time: 13:23
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 21.62 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 31.57 ft | Product Thickness: NA ft
Water Column Height: 9.95 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	9.95	1.622845	4.87

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
13:26	7.65	7.38	15.5				0.25	Lt. brown, minor silt, no odor
13:27	7.69	7.36	15.5				0.5	darker brown, moderate silt
12:28	7.72	7.20	15.4				0.75	no change
13:29	7.68	7.32	15.3				1	no change
13:30	7.70	7.35	15.3				1.5	no change
13:32	7.69	7.31	15.2				2	no change
13:34	7.70	7.19	15.2				2.5	Bailing Down
13:37	7.72	7.30	15.3				3	Bailing Down
13:38	7.72	7.27	15.3				3.5	Bailing Down
13:40	7.72	7.28	15.3				4	Bailing Down
13:44	7.71	7.29	15.3				4.5	Bailing Down
Final:	7.71	7.29	15.3				4.5	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor Station On Site Sump

Sample ID: MW-9 | Sample Time: 13:48

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-11
Client: Enterprise | Date: 11/18/2010 | Time: 15:00
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 21.16 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 30.41 ft | Product Thickness: NA ft
Water Column Height: 9.25 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other _____
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other _____

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	9.25	1.508675	4.53

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
15:03	7.51	6.78	15.4				0.25	clear, strong HC odor
15:04	7.50	6.85	15.2				0.5	black
15:05	7.61	6.80	15.0				0.75	black
15:06	7.64	6.88	15.0				1	black
15:07	7.60	6.42	14.8				1.75	very black, very strong HC odor
15:08	7.61	6.30	14.7				2	no change
15:10	7.62	6.35	14.7				2.5	no change
15:13	7.57	6.15	14.6				3	no change
15:15	7.57	6.15	14.6				3.5	no change
15:17	7.58	6.18	14.7				4	no change
15:18	7.58	6.19	14.7				4.25	no change
15:19	7.6	6.18	14.7				4.5	no change
15:20	7.61	6.19	14.6				5	no change
Final:	7.61	6.19	14.6				5	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other _____

Water Disposal: Largo Compressor

Sample ID: MW-11 | Sample Time: 15:22

Analysis Requested: ☑ BTEX ☐ VOC ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-12
Client: Enterprise | Date: 11/18/2010 | Time: 15:34
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 16.58 ft | Depth to Product: NA ft
Well Diameter: 4" | Total Depth: 22.4 ft | Product Thickness: NA ft
Water Column Height: 5.82 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.6524	5.82	3.796968	11.39

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
15:36	7.71	4.18	16.1				1	Strong HC Odor, Yellow - clear
15:38	7.67	7.20	15.4				2.5	Black
15:39	7.66	7.86	15.6				3.5	Slight Sheen
15:40	7.61	7.80	15.1				4	Not as much sheen
15:42	7.69	7.76	15.1				5	Bailing down
15:43	7.69	8.00	15.2				5.2	Bailed Dry
Final:								

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-12 | Sample Time: 15:51

Analysis Requested: ☑ BTEX ☐ VOC ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-13
Client: Enterprise | Date: 11/18/2010 | Time: 12:17
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 19.91 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 29.54 ft | Product Thickness: NA ft
Water Column Height: 9.63 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	9.63	1.570653	4.71

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
12:19	7.55	4.86	15.4				0.25	clear, no odor, no silt
12:20	7.64	4.87	15.2				0.5	clear, minor silt
12:21	7.68	4.76	15.1				0.75	no change
12:22	7.69	4.89	14.3				1	no change
12:23	7.69	4.87	14.9				1.5	slightly cloudy gray
12:25	7.67	4.87	14.8				2	no change
12:27	7.67	4.77	14.8				2.5	no change
12:29	7.69	4.87	14.9				3	no change
12:31	7.7	4.74	15.2				3.5	no change
12:34	7.752	4.73	15				4	no change
12:37	7.69	4.80	15				4.5	clearer
12:38	7.77	4.79	15				4.75	no change
Final:	7.77	4.79	15				4.75	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-13 | Sample Time: 12:43

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: TRIP BLANK | Duplicate Sample: NA

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-14
Client: Enterprise | Date: 11/18/2010 | Time: 11:37
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 20.73 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 30.92 ft | Product Thickness: NA ft
Water Column Height: 10.19 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	10.19	1.661989	4.99

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
11:40	7.73	5.01	15.3				0.25	no odor, clear to lt. brown, some silt
11:41	7.73	5.09	15.1				0.5	no change
11:42	7.74	5.03	15.1				0.75	no change
11:43	7.73	5.12	15.0				1	no change
11:44	7.76	5.13	14.9				1.5	lt. brown medium silt
11:46	7.71	5.02	14.9				2	no change
11:48	7.76	5.00	14.8				2.5	no change
11:50	7.72	5.02	14.9				3	no change
11:52	7.72	4.97	14.8				3.5	bailing down
11:55	7.71	4.96	15				4	no change
11:58	7.75	4.92	15				4.5	no change
12:00	7.75	4.97	14.9				5	no change
Final:	7.75	4.97	14.9				5	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☑ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-14 | Sample Time: 12:06

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-15
Client: Enterprise | Date: 11/18/2010 | Time: 11:02
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 21.36 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 31.57 ft | Product Thickness: NA ft
Water Column Height: 10.21 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	10.21	1.665251	5.00

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
11:06	7.56	5.91	15.4				0.25	lt. brown, some silt, no odor
11:07	7.54	5.98	15.0				0.5	no change
11:08	7.54	5.95	15.3				0.75	no change
11:09	7.56	6.00	15.3				1	no change
11:10	7.55	5.91	15.0				1.5	no change
11:10	7.55	5.77	15.0				2	slightly more silt
11:11	7.53	5.59	15.0				2.5	no change
11:13	7.58	5.46	14.7				3	no change
11:14	7.56	5.37	15				3.5	no change
11:15	7.55	5.33	14.9				4	no change
11:17	7.54	5.25	15.0				4.5	no change
11:18	7.56	5.34	15.1				4.65	bailing down
11:19	7.57	5.25	15.1				4.75	no change
11:20	7.56	5.27	15.1				5	no change
Final:	7.56	5.27	15.1				5	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-15 | Sample Time: 11:27

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: NA

WATER SAMPLING PURGE LOG

Project Name: Largo | Location: Largo Compressor | Well No: MW-16
Client: Enterprise | Date: 11/18/2010 | Time: 13:57
Project Manager: Ashley Ager | Sampler's Name: B. Herb / T. Urban

Measuring Point: TOC | Depth to Water: 22.11 ft | Depth to Product: NA ft
Well Diameter: 2" | Total Depth: 31.11 ft | Product Thickness: NA ft
Water Column Height: 9 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☐ Other

Water Volume in Well			
Gallons of water per foot	Feet of water in well	Gallons of water in well	3 casing volumes to be removed
0.1631	9	1.4679	4.40

Time (military)	pH (su)	EC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
13:58	7.45	9.72	15.5				0.25	clear to slightly cloudy, no odor
13:59	7.45	9.77	15.5				0.5	light brown, minor silt
14:00	7.45	9.70	15.5				0.75	no change
14:00	7.44	9.66	15.5				1	no change
14:01	7.45	9.62	15.4				1.5	no change
14:03	7.43	9.74	15.3				25	no change
14:05	7.44	9.72	15.2				2.75	no change
14:07	7.50	9.80	15.1				3.25	no change
14:09	7.51	9.51	15				4	no change
14:14	7.52	9.12	15				4.5	no change
14:15	7.55	9.11	14.9				4.75	no change
14:16	7.54	9.00	15.0				4.9	no change
Final:	7.54	9.00	15.0				4.9	

COMMENTS: 4 VOA's preserved with HgCl2

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Largo Compressor

Sample ID: MW-16 | Sample Time: 14:22

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☑ Other TPH

Trip Blank: Yes | Duplicate Sample: No

APPENDIX 2
LABORATORY ANALYTICAL REPORT

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, December 06, 2010

Ashley Ager
LTE
2243 Main Ave Suite 3
Durango, CO 81301

TEL: (970) 946-1093
FAX

RE: Largo Compressor Station

Order No.: 1011864

Dear Ashley Ager:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 11/20/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-8
Lab Order:	1011864	**Collection Date:**	11/18/2010 10:30:00 AM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/24/2010 8:48:14 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/24/2010 8:48:14 PM
Surr: DNOP	115	66.9-151		%REC	1	11/24/2010 8:48:14 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/25/2010 1:13:52 PM
Surr: BFB	100	84.5-118		%REC	1	11/25/2010 1:13:52 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/25/2010 2:15:26 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 2:15:26 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 2:15:26 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 2:15:26 AM
Surr: 4-Bromofluorobenzene	106	76.4-108		%REC	1	11/25/2010 2:15:26 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-3R
Lab Order:	1011864	**Collection Date:**	11/18/2010 10:57:00 AM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						**Analyst: JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/24/2010 9:21:50 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/24/2010 9:21:50 PM
Surr: DNOP	114	86.9-151		%REC	1	11/24/2010 9:21:50 PM
EPA METHOD 8015B: GASOLINE RANGE						**Analyst: NSB**
Gasoline Range Organics (GRO)	0.47	0.050		mg/L	1	11/25/2010 1:42:36 PM
Surr: BFB	208	84.5-118	S	%REC	1	11/25/2010 1:42:36 PM
EPA METHOD 8260: VOLATILES SHORT LIST						**Analyst: DAM**
Benzene	3.9	1.0		µg/L	1	11/25/2010 2:43:42 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 2:43:42 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 2:43:42 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 2:43:42 AM
Surr: 4-Bromofluorobenzene	572	76.4-106	S	%REC	1	11/25/2010 2:43:42 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-15
Lab Order:	1011864	**Collection Date:**	11/18/2010 11:27:00 AM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/24/2010 9:55:25 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/24/2010 9:55:25 PM
Surr: DNOP	115	86.9-151		%REC	1	11/24/2010 9:55:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.19	0.050		mg/L	1	11/25/2010 2:11:19 PM
Surr: BFB	146	84.5-118	S	%REC	1	11/25/2010 2:11:19 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	8.9	1.0		µg/L	1	11/25/2010 3:11:42 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 3:11:42 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 3:11:42 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 3:11:42 AM
Surr: 4-Bromofluorobenzene	117	76.4-106	S	%REC	1	11/25/2010 3:11:42 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTB	**Client Sample ID:**	MW-14
Lab Order:	1011864	**Collection Date:**	11/18/2010 12:06:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/24/2010 10:29:03 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/24/2010 10:29:03 PM
Surr: DNOP	115	86.9-161		%REC	1	11/24/2010 10:29:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/25/2010 2:40:17 PM
Surr: BFB	105	84.5-118		%REC	1	11/25/2010 2:40:17 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/25/2010 6:28:43 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 6:28:43 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 6:28:43 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 6:28:43 AM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	1	11/25/2010 6:28:43 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-13
Lab Order:	1011864	**Collection Date:**	11/18/2010 12:43:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/24/2010 11:02:27 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/24/2010 11:02:27 PM
Surr: DNOP	118	86.9-151		%REC	1	11/24/2010 11:02:27 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/25/2010 3:09:16 PM
Surr: BFB	101	84.5-116		%REC	1	11/25/2010 3:09:16 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/25/2010 6:56:51 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 6:56:51 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 6:56:51 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 6:56:51 AM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/25/2010 6:56:51 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-6
Lab Order:	1011864	**Collection Date:**	11/18/2010 1:15:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						**Analyst: JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/25/2010 12:09:10 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 12:09:10 AM
Surr: DNOP	119	86.9-151		%REC	1	11/25/2010 12:09:10 AM
EPA METHOD 8015B: GASOLINE RANGE						**Analyst: NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/25/2010 3:38:11 PM
Surr: BFB	100	84.5-118		%REC	1	11/25/2010 3:38:11 PM
EPA METHOD 8260: VOLATILES SHORT LIST						**Analyst: DAM**
Benzene	ND	1.0		µg/L	1	11/25/2010 7:24:49 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 7:24:49 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 7:24:49 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 7:24:49 AM
Surr: 4-Bromofluorobenzene	106	76.4-108		%REC	1	11/25/2010 7:24:49 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-9
Lab Order:	1011864	**Collection Date:**	11/18/2010 1:48:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/25/2010 12:42:31 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 12:42:31 AM
Surr: DNOP	117	86.9-151		%REC	1	11/25/2010 12:42:31 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/25/2010 4:07:06 PM
Surr: BFB	101	84.6-118		%REC	1	11/25/2010 4:07:06 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/25/2010 7:52:59 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 7:52:59 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 7:52:59 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 7:52:59 AM
Surr: 4-Bromofluorobenzene	104	76.4-108		%REC	1	11/25/2010 7:52:59 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-16
Lab Order:	1011864	**Collection Date:**	11/18/2010 2:22:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/25/2010 1:15:53 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 1:15:53 AM
Surr: DNOP	119	66.9-151		%REC	1	11/25/2010 1:15:53 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	11/29/2010 12:28:17 PM
Surr: BFB	102	84.5-118		%REC	1	11/29/2010 12:28:17 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	3.4	1.0		µg/L	1	11/25/2010 8:21:11 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 8:21:11 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 8:21:11 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 8:21:11 AM
Surr: 4-Bromofluorobenzene	112	76.4-108	S	%REC	1	11/25/2010 8:21:11 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-7
Lab Order:	1011864	**Collection Date:**	11/18/2010 2:46:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.2	1.0		mg/L	1	11/25/2010 1:49:13 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 1:49:13 AM
Surr: DNOP	120	86.9-151		%REC	1	11/25/2010 1:49:13 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	11	2.5		mg/L	50	11/29/2010 1:26:08 PM
Surr: BFB	101	84.5-118		%REC	50	11/29/2010 1:26:08 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	3700	200		µg/L	200	11/25/2010 8:49:21 AM
Toluene	ND	20		µg/L	20	11/25/2010 9:17:28 AM
Ethylbenzene	62	20		µg/L	20	11/25/2010 9:17:28 AM
Xylenes, Total	ND	40		µg/L	20	11/25/2010 9:17:28 AM
Surr: 4-Bromofluorobenzene	122	76.4-106	S	%REC	20	11/25/2010 9:17:28 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-11
Lab Order:	1011864	**Collection Date:**	11/18/2010 3:22:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/25/2010 2:22:34 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 2:22:34 AM
Surr: DNOP	116	86.9-151		%REC	1	11/25/2010 2:22:34 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.14	0.050		mg/L	1	11/29/2010 2:23:58 PM
Surr: BFB	104	84.5-118		%REC	1	11/29/2010 2:23:58 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/25/2010 10:13:31 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 10:13:31 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 10:13:31 AM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 10:13:31 AM
Surr: 4-Bromofluorobenzene	118	76.4-108	S	%REC	1	11/25/2010 10:13:31 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	MW-12
Lab Order:	1011864	**Collection Date:**	11/18/2010 3:51:00 PM
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/25/2010 2:55:59 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/25/2010 2:55:59 AM
Surr: DNOP	119	86.9-151		%REC	1	11/25/2010 2:55:59 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	8.3	1.0		mg/L	20	11/29/2010 2:52:55 PM
Surr: BFB	103	84.5-118		%REC	20	11/29/2010 2:52:55 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	1100	50		µg/L	50	11/25/2010 10:41:37 AM
Toluene	69	10		µg/L	10	11/25/2010 11:09:50 AM
Ethylbenzene	61	10		µg/L	10	11/25/2010 11:09:50 AM
Xylenes, Total	720	20		µg/L	10	11/25/2010 11:09:50 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	10	11/25/2010 11:09:50 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Dec-10*

CLIENT:	LTE	**Client Sample ID:**	Trip Blank
Lab Order:	1011864	**Collection Date:**	
Project:	Largo Compressor Station	**Date Received:**	11/20/2010
Lab ID:	1011864-12	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/29/2010 3:50:44 PM
Surr: BFB	98.5	84.6-118		%REC	1	11/29/2010 3:50:44 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/25/2010 12:06:17 PM
Toluene	ND	1.0		µg/L	1	11/25/2010 12:06:17 PM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 12:06:17 PM
Xylenes, Total	ND	2.0		µg/L	1	11/25/2010 12:06:17 PM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	1	11/25/2010 12:06:17 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: LTE
Project: Largo Compressor Station **Work Order:** 1011864

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24633		*MBLK*				Batch ID:	24633	Analysis Date:		11/24/2010 7:07:26 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24633		*LCS*				Batch ID:	24633	Analysis Date:		11/24/2010 7:41:01 PM	
Diesel Range Organics (DRO)	5.433	mg/L	1.0	5	0	109	74	157			
Sample ID: LCSD-24633		*LCSD*				Batch ID:	24633	Analysis Date:		11/24/2010 8:14:37 PM	
Diesel Range Organics (DRO)	5.598	mg/L	1.0	5	0	112	74	157	2.99	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	R42340	Analysis Date:		11/24/2010 8:28:50 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: b 14		*MBLK*				Batch ID:	R42340	Analysis Date:		11/24/2010 2:36:43 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: b 48		*MBLK*				Batch ID:	R42340	Analysis Date:		11/25/2010 6:59:00 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	R42392	Analysis Date:		11/29/2010 8:35:25 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS-II		*LCS*				Batch ID:	R42340	Analysis Date:		11/24/2010 8:52:32 PM	
Gasoline Range Organics (GRO)	0.5210	mg/L	0.050	0.5	0	104	83.7	124			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	R42340	Analysis Date:		11/24/2010 12:18:10 PM	
Gasoline Range Organics (GRO)	0.5500	mg/L	0.050	0.5	0	110	83.7	124			
Sample ID: 2.5UG GRO LCS-III		*LCS*				Batch ID:	R42340	Analysis Date:		11/25/2010 7:56:42 AM	
Gasoline Range Organics (GRO)	0.5036	mg/L	0.050	0.5	0	101	83.7	124			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	R42392	Analysis Date:		11/29/2010 7:12:51 PM	
Gasoline Range Organics (GRO)	0.5760	mg/L	0.050	0.5	0	115	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	R42340	Analysis Date:		11/24/2010 12:47:11 PM	
Gasoline Range Organics (GRO)	0.5196	mg/L	0.050	0.5	0	104	83.7	124	5.68	12	
Sample ID: 2.5UG GRO LCSD-III		*LCSD*				Batch ID:	R42340	Analysis Date:		11/25/2010 8:25:31 AM	
Gasoline Range Organics (GRO)	0.5020	mg/L	0.050	0.5	0	100	83.7	124	0.358	12	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	R42392	Analysis Date:		11/29/2010 7:41:44 PM	
Gasoline Range Organics (GRO)	0.5362	mg/L	0.050	0.5	0	107	83.7	124	7.16	12	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: LTE
Project: Largo Compressor Station **Work Order:** 1011864

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 1011864-01a msd		*MSD*				Batch ID:	R42341	Analysis Date:		11/25/2010 4:08:00 AM	
Benzene	19.10	µg/L	1.0	20	0	95.6	73.1	117	2.43	11.3	
Toluene	20.94	µg/L	1.0	20	0	105	82.9	109	1.72	11.6	
Sample ID: b2		*MBLK*				Batch ID:	R42341	Analysis Date:		11/24/2010 10:16:07 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs2		*LCS*				Batch ID:	R42341	Analysis Date:		11/25/2010 4:36:03 AM	
Benzene	19.44	µg/L	1.0	20	0	97.2	84.6	109			
Toluene	21.21	µg/L	1.0	20	0	106	81	114			
Sample ID: 1011864-01a ms		*MS*				Batch ID:	R42341	Analysis Date:		11/25/2010 3:39:50 AM	
Benzene	19.57	µg/L	1.0	20	0	97.9	73.1	117			
Toluene	21.30	µg/L	1.0	20	0	106	82.9	109			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name LTE

Date Received: 11/20/2010

Work Order Number 1011864

Received by: KMS

Sample ID labels checked by: [initials] Initials

Checklist completed by: Michelle Garcia (Signature) 11/22/10 (Date)

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	________
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**10.7°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted ______ Date contacted: ______ Person contacted ______

Contacted by: ______ Regarding: ______

Comments: Per LT analyze for 8021/8015 /AF 11/21/10

Corrective Action

Chain-of-Custody Record

Client: LT Environmental

Mailing Address: 2243 Main Ave, Durango CO 81301

Phone #: 970-385-1096

email or Fax#: aager@ltenv.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Largo Compressor Station

Project #: GMS1002

Project Manager: Ashley Ager

Sampler:

On Ice: ☐ Yes ☐ No

Sample Temperature: 0 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1011464	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11/18/10	1030	AQ	MW-8	4/VOA	HgCl2	-1	✓		✓	✓												
11/18/10	1057	AQ	MW-3R			-2	✓		✓	✓												
11/18/10	1127	AQ	MW-15			-3	✓		✓	✓												
11/18/10	1200	AQ	MW-14			-4	✓		✓	✓												
11/18/10	1243	AQ	MW-13			-5	✓		✓	✓												
11/18/10	1315	AQ	MW-6			-6	✓		✓	✓												
11/18/10	1348	AQ	MW-9			-7	✓		✓	✓												
11/18/10	1422	AQ	MW-10			-8	✓		✓	✓												
11/18/10	1446	AQ	MW-7			-9	✓		✓	✓												
11/18/10	1522	AQ	MW-11			-10	✓		✓	✓												
11/18/10	1551	AQ	MW-12			-11	✓		✓	✓												
11/18/10		AQ	TRIP BLANK	2/VOA		-12	✓		✓													

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/18/10	1735	[signature]	Christa Walt	11/18/10	1735
11/19/10	1000	Christa Walters	[signature]	11/20/10	10:10

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.