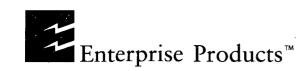
GW-211

REMEDIATION

DATE: 2009



ENTERPRISE PRODUCTS PARTNERS LP ENTERPRISE PRODUCTS OPERATING LLC

Largo Compressor Station, Enterprise Products Operating LLC

ENTERPRISE PRODUCTS GP, LLC, GENERAL PARTNER ENTERPRISE PRODUCTS OLPGP, INC., SOLE MANAGER

January 11, 2010

Return Receipt Requested 7009 1680 0001 0284 2826

Mr. Leonard Lowe **Environmental Engineer** New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Rio Arriba County, New Mexico

Largo Compressor Station Work Plan for Groundwater Remediation GW-211 \sim

Dear Mr. Lowe,

RE:

Please find attached the Enterprise Products Operating LLC (Enterprise) Largo Compressor Station Work Plan for Groundwater Remediation GW-211. This report provides recommendations for interim remedial actions to address groundwater impacts identified in two previous subsurface investigations conducted at Enterprise Largo Compressor Station. The attached work plan provides for proposed interim remedial actions until the above ground condensate storage tanks, and two associated below grade drain tanks (or sumps), can be rerouted and moved. At this time, remedial actions will be completed by excavation of impacted soils directly underlying the condensate storage tanks and associated drain tanks. Enterprise proposes to employ oil-absorbent socks in the source area where a measurable thickness of free-phase product was identified in piezometer P-1 during 2009. An Oxygen Release Compound (ORC) will also be injected into groundwater down-gradient of the source area.

The interim actions proposed in the attached work plan were developed in accordance with the findings in the November 30, 2009 report entitled: Report of Subsurface Investigation at Largo Compressor Station. This investigation was performed following OCD inspection documented in the OCD Inspection Report GW-211, dated July 9, 2009. This report requested remediation of impacted groundwater at the facility resulting from the overflow of drain tanks containing natural gas condensate during January 2008.

We believe the proposed interim actions will control potential migration of affected groundwater from the release site, and reduce groundwater constituent concentrations. These interim remedial actions will be evaluated following implementation. If necessary, additional remedial actions will be developed for OCD approval, and implemented prior to removal of the current storage and drain tanks. In the event that groundwater monitoring results indicated any migration of affected groundwater from the site, the OCD will be notified immediately, and a work plan submitted describing proposed actions.

P. O. BOX 4324 HOUSTON, TX 77210-4324 713.381.6500

1100 LOUISIANA STREET HOUSTON, TX 77002-5227 www.epplp.com Mr. Leonard Lowe January 11, 2010 Page 2

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Enterprise will implement the proposed interim remedial actions following OCD approval. If the OCD has any comments or questions regarding these remedial actions, please contact me at (713) 381-2286 or <u>drsmith@eprod.com</u>. Please note that my email address and company name are changing. Future agency correspondence should be addressed to Enterprise Products Operating LLC.

Sincerely,

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

/bjm

Attachment - Largo Compressor Station Work Plan for Groundwater Remediation GW-211

cc: Glen von Gonten, NMOCD, Santa Fe Office Brandon Powell, NMOCD Aztec Office Ashley Auger, Lodestar Services, Durango, CO Rex Meyer, GeoMonitoring Services, Houston, TX



December 31, 2009

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

RE: Largo Compressor Station Work Plan for Groundwater Remediation GW-211 Enterprise Products Operating LLC T26N, R11W, S15, Rio Arriba County, New Mexico

Dear Mr. Smith,

Lodestar Services, LLC (Lodestar) presents the following work plan for groundwater remediation at Enterprise Products Operating LLC's (Enterprise, formerly Enterprise Products Operating L.P.) Largo Compressor Station. This work plan addresses impacted groundwater identified in two subsurface investigations and will serve as interim actions until the above ground storage tanks and associated sump can be rerouted and moved to allow for excavation of impacted soils.

On January 4, 2008, a valve at the base of a storage tank failed after it froze and its contents flowed into two, 120 bbl sub-grade drain tanks. The drain tanks subsequently overflowed and released approximately 505 bbl of natural gas condensate into an unlined earthen/gravel containment area. Vacuum trucks were dispatched to remove the liquids from the containment, and the release was immediately reported to the Aztec field office of the New Mexico Oil Conservation Division (NMOCD). The release visibly stained a 30' x 30' area within the containment, and Enterprise conducted an initial subsurface investigation during March and April of 2008 to define vertical extent of impacted soil and to determine if groundwater had been impacted. Results of that investigation were submitted to the NMOCD by Enterprise on May 16, 2008. On June 9, 2009, NMOCD conducted an inspection at the Largo Compressor Station and identified the need for immediate remediation of groundwater. In response to Inspection Report GW-211 dated July 9, 2009, Enterprise directed a second subsurface investigation to further delineate impacted soils and confirm cross- and downgradient control on groundwater impacts. A report for this work was submitted on December 18, 2009. Additionally, Enterprise conducts quarterly groundwater monitoring. Results from those events are also submitted to the NMOCD.

As documented in the subsurface investigation reports submitted to NMOCD, impacts to soil and groundwater at the Largo Compressor Station are localized. Soil is impacted within the bermed area from the ground surface to the groundwater table. Impacted soil extends outside of the bermed area in the northeast and southwest directions, but is contained within clayey soil units at and just below the water table. There is a clay aquitard across the base of the study area, and groundwater appears to run along a paleo-channel from MW-6 towards MW-7 and on to MW-8 (Figure 1). Groundwater immediately beneath and north of the bermed area has been impacted by the tank overflow. Dissolved phase contamination has moved downgradient, but only to wells MW-7 and P-3. Results from the most recent quarterly sampling event are shown on Figure 1.

Mr. David Smith December 31, 2009

To address these issues, Lodestar proposes to replace P-1 with a 4-inch monitoring well and use oil-absorbent socks to begin removing free-phase product from the water table. Additionally, Oxygen Release Compound (ORC) will be injected down-gradient to impede migration of dissolved phase contaminants. Installation of the 4-inch groundwater well will conform to industry standards. Oil absorbent socks will be checked quarterly and replaced as necessary during regular monitoring events.

In situ groundwater remediation will consist of placing an ORC barrier down-gradient of the source area. ORC is a proprietary formulation of magnesium peroxide intercalated with food-grade phosphate that stimulates aerobic bioremediation in the oxygen-limited subsurface. ORC is environmentally safe and time-releases oxygen when hydrated for six months to one year. A Material Safety Data Sheet is attached for reference.

For ORC injection, Lodestar will use a 4" hollow stem auger to drill seven boreholes as shown on Figure 1. The target zone for remediation consists of a shallow aquifer and the overlying vadose zone. It was delineated in the previous subsurface investigations and ranges from 5 to 10 feet in thickness. The lithology of this interval consists of clay and silty clay. The boreholes will be drilled to approximately 17.5 feet or to where the groundwater table is encountered. A slurry of ORC and water will be poured directly into the hollow stem. Approximately 1 gallon of a 65% solids slurry of ORC and water will be added for each 5-feet in vertical depth (14 gallons total for the project). This equates to approximately 30 lbs of ORC per well, or 210 lbs of ORC for the entire project. A plunger inside the auger will be used to push the slurry down in the hole to keep it there as the auger is removed. A 2-foot bentonite seal will be installed above the ORC slurry. The remainder of the borehole will be backfilled with soil removed during drilling.

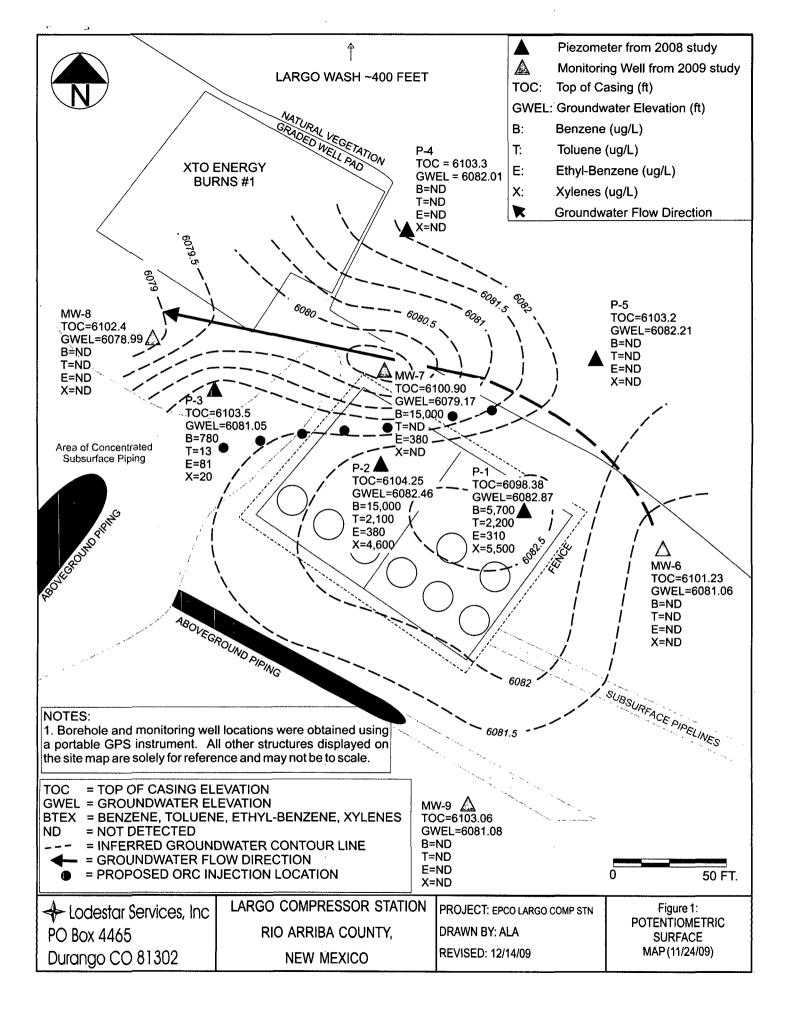
The quarterly sampling and analysis of BTEX concentrations in the groundwater wells will be used to assess effectiveness of the ORC application. Additionally, dissolved oxygen concentrations in monitoring wells will be documented. If no improvement is documented, Enterprise should initiate pilot studies for air sparging. ORC injection will not produce additional water contaminants to be monitored.

Lodestar appreciates the opportunity to submit this work plan to Enterprise. If you have any questions or require additional information, please do not hesitate to call me at (970) 946-1093.

Sincerely, Lodestar Services, LLC

Ashley L. Ager

- Cc: Rex Meyer, Geo Monitoring Services File
- Attachments: Information Required for Notice of Intent to Discharge Figure 1: Potentiometric Surface Map and Proposed Location of Injection Boreholes MSDS for ORC



Oxygen Release Compound (ORC[®]) MATERIAL SAFETY DATA SHEET (MSDS)

October 18, 2005

Last Revised:

		Section 1 - Material Identification
Supplier:	72	
REGE	NESIS	
1011 Calle S San Clemen	Sombra te, CA 92673	
Phone:	949.366.800	0
Fax:	949.366.809	0
E-mail:	info@regen	<u>iesis.com</u>
Chemical D	escription:	A mixture of Magnesium Peroxide (MgO ₂), Magnesium Oxide (MgO), and Magnesium Hydroxide [Mg(OH) ₂]
Chemical Fa	amily:	Inorganic Chemical
Trade Name	e:	Oxygen Release Compound (ORC [®])

Product Use:	Used to remediate contaminated soil and groundwas	ter					
Troduct Osc.	(environmental applications)						

Section 2 – Chemical Identification

CAS#	Chemical
14452-57-4	Magnesium Peroxide (MgO2)
1309-48-4	Magnesium Oxide (MgO)
1309-42-8	Magnesium Hydroxide [Mg(OH) ₂]
7758-11-4	Dipotassium Phosphate (HK ₂ O ₄ P)
7778-77-0	Monopotassium Phosphate (H ₂ KO ₄ P)
Assay:	25-35% Magnesium Peroxide (MgO ₂)

J:\Operations\MSDS\ORC

Regenesis - ORC MSDS

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	Section 3 - Physical Data						
Melting Point:	Not Determined (ND)						
Boiling Point:	ND						
Flash Point:	Not Applicable (NA)						
Self-Ignition Temperature:	NA						
Thermal Decomposition: Spontaneous Combustion possible at $\approx 150^{\circ}$ C							
Density:	0.6 – 0.8 g/cc						
Solubility:	Reacts with Water						
pH: Approximately 10 in saturated solution							
Appearance: White Powder							
Odor:	None						
Vapor Pressure:	None						
Hazardous Decomposition Products:	Not Known						
Hazardous Reactions:	Hazardous Polymerization will not occur						
Further Information:	Non-combustible, but will support combustion						
	Section 4 – Reactivity Data						
Stability:	Product is stable unless heated above 150 °C. Magnesium Peroxide reacts with water to slowly release oxygen. Reaction by product is Magnesium Hydroxide						
Conditions to Avoid:	Heat above 150 °C. Open Flames.						
Incompatibility:	Strong Acids. Strong Chemical Agents.						
Hazardous Polymerization:	None known.						

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J:\Operations\MSDS\HRC MSDS

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Section	5 -	Regulations
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Permissible Exposure Limits in Air

Not Established. Should be treated as a nuisance dust.

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:	Keep in tightly closed container. Keep away from combustible material.									
Handling:	Use only in well ventilated areas.									
Personal Protective Equipment (PPE)										
Respiratory Protection:	Recommended (HEPA Filters)									
Hand Protection:	Wear suitable gloves.									
Eye Protection:	Use chemical safety goggles.									
Other:	NA									
Industrial Hygiene:	Avoid contact with skin and eyes									
Protection Against Fire & Explosion:	NA									
Disposal:	Dispose via sanitary landfill per state/local authority									
Further Information:	Not flammable, but may intensify a fire									
After Spillage/Leakage/Gas Leakage:	Collect in suitable containers. Wash remainder with copious quantities of water.									
Extinguishing Media:	NA									
Suitable:	Carbon Dioxide, dry chemicals, foam									
Further Information:	Self contained breathing apparatus or approved gas mask should be worn due to small particle size. Use extinguishing media appropriate for surrounding fire.									
First Aid:	After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.									

Section 7 – Information on Toxicology

J:\Operations\MSDS\HRC MSDS

Regenesis - ORC MSDS

Toxicity Data:

Not Available

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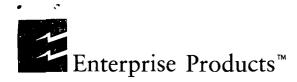
Section 8 – Information on Ecology

Water Pollution Hazard Raging (WGK):

Section 9 – Further Information

After the reaction of magnesium peroxide with water to form oxygen, the resulting material, magnesium hydroxide, is mildly basic. The amounts of magnesium oxide (magnesia) and magnesium hydroxide in the initial product have an effect similar to lime, but with lower alkalinity.

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available.



RECEIVED

2009 DEC 29 AM 8 21

ENTERPRISE PRODUCTS PARTNERS LP ENTERPRISE PRODUCTS OPERATING LLC ENTERPRISE PRODUCTS GP, LLC, GENERAL PARTNER ENTERPRISE PRODUCTS OLPGP, INC., SOLE MANAGER

December 21, 2009

Return Receipt Requested 7009 1680 0001 0284 2659

Mr. Leonard Lowe Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Quarterly Groundwater Report – November 2009 Largo Compressor Station, Enterprise Field Services, LLC Rio Arriba County, New Mexico

Dear Mr. Lowe,

The attached report documents the November 2009 quarterly groundwater monitoring event at the Enterprise Field Services, LLC (Enterprise) facility referenced above. This compressor station is located in Unit I of Section 15 within Township 26N, Range 7W in Rio Arriba County, NM.

Investigations and remedial actions at this facility are being conducted following a natural gas condensate release during January 2008. On December 15, 2009, a *Report of Subsurface Investigation at Largo Compressor Station* was submitted to the New Mexico Oil Conservation Commission (OCD). This report provided the proposed interim remedial actions that are currently being implemented at the facility.

Should you have any questions, please do not hesitate to contact me at (713) 381-2286 or <u>drsmith@eprod.com</u>.

Sincerely,

David R. Smith, P.G.

/bjm Attachment – November 2009 Groundwater Sampling Report

cc: Brandon Powell, NMOCD Aztec Office Rex Meyer, GeoMonitoring Services

^LOdestar Services. LLC

PO Box 4465 Durango, CO 81302 Office (970) 946-1093

December 17, 2009

Mr. D.R. Smith, PG Enterprise Products Operating L.P. P.O. Box 4324 Houston, Texas 77210-4324

RE: November 2009 Groundwater Sampling Largo Compressor Station Rio Arriba County, New Mexico

Dear Mr. Smith:

On November 24, 2009, Lodestar Services, LLC (Lodestar) conducted quarterly groundwater sampling at Enterprise Field Services, LLC's (Enterprise's) Largo Compressor Station. The Largo Compressor Station is located in Section 15, Township 26 North, Range 7 West in Rio Arriba County, New Mexico. Groundwater samples were collected from four two-inch groundwater monitoring wells (MW-6, MW-7, MW-8, MW-9) and four of five piezometers (P-2, P-3, P-4, P-5) and analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX). P-1 contained 1.27 feet of product and was not sampled.

Prior to sampling, depth to ground water and total depth of wells were measured with a Keck oil/water interface probe. Presence of any free-phase product is also detected and measured with the interface probe. The interface probe was decontaminated with $Alconox^{TM}$ soap and rinsed with de-ionized water prior to each measurement. The volume of water in the wells was calculated, and a minimum of three casing volumes of water was purged from each well using a disposable bailer or a permanent decontaminated PVC bailer. As water was extracted, pH, electric conductivity and temperature were monitored. Wells were purged until these properties stabilized or until the well was dry, indicating that the purge water was representative of aquifer conditions. Stabilization was defined as three consecutive stable readings for each water property (± 0.4 units for pH, ± 10 percent for electric conductivity and $\pm 2^{\circ}$ C for temperature). All purge water was disposed into a tank on site. Data were recorded on the attached *Well Development and Sampling Logs*.

Once each monitoring well was properly purged, groundwater samples were collected by filling three 40milliliter (ml) glass vials. The pre-cleaned and pre-preserved (with hydrochloric acid or mercuric chloride) vials were filled and capped with no air inside to prevent degradation of the sample. Samples were labeled with the date and time of collection, well designation, project name, collector's name and parameters to be analyzed. They were immediately sealed and packed on ice. The samples were shipped to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico in a sealed cooler via bus before designated holding times expired. Proper chain-of-custody (COC) procedures were followed with logs documenting the date and time sampled, sample number, type of sample, sampler's name, preservative used, analyses required and sampler's signatures. HEAL analyzed the groundwater samples BTEX.

Depth to groundwater measurements for all wells are shown in Table 1. Piezometer 1 (P-1) had 1.27 ft of product on top of the water table. A disposable bailer was used to remove as much product as possible from the well. Approximately 1.25 ounces was recovered this quarter. No other well contained free-phase product. These data were used to calculate groundwater elevations, which ranged from 6082.46

Mr. David Smith December 17, 2009 Page 2 of 3

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feet in P-1 to 6078.99 feet in MW-8. A potentiometric surface map is attached and suggests groundwater flow is towards the west-northwest (MW-8), following a potential paleo-channel. The map also suggests mounding in the bermed area.

Well Name	Depth To Water (ft)	Depth To Product (ft)	Product Thickness (ft)	Top of Casing Elevation (ft)	Groundwater Elevation (ft)	
P-1	15.73	15.46	1.27	6098.38	6082.87*	
P-2	21.79	-	-	6104.25	6082.45	
P-3	22.45	-	-	6103.50	6081.05	
P-4	21.29	-	-	6103.30	6082.01	
P-5	20.99	-	-	6103.20	6082.21	
MW-6	20.17	-	-	6101.23	6081.06	
MW-7	21.73	-	-	6100.90	6079.17	
MW-8	23.41	-	-	6102.4	6078.99	
MW-9	21.98	-	-	6103.06	6081.08	

Table 1: Water and Product Level Measurements

*Corrected for presence of free-phase product using an estimated density correction factor of 0.8.

Laboratory analytical results are shown in Table 2. A complete laboratory report from HEAL is attached.

Well	Benzene (ug/l)			Xylenes (ug/ł)	Total BTEX (ug/l)	
P-1	Product	Product	Product	Product	product	
P-2	21,000	360	460	2,700	24,520	
P-3	1.4	< 1.0	1.5	< 2.0	2.9	
P-4	< 1.0	< 1.0	< 1.0	< 2.0	ND	
P-5	< 1.0	< 1.0	< 1.0	< 2.0	ND	
MW-6	< 1.0	< 1.0	< 1.0	< 2.0	ND	
MW-7	13,000	< 1.0	150	< 2.0	13,150	
MW-8	< 1.0	< 1.0	< 1.0	< 2.0	ND	
MW-9	< 1.0	< 1.0	< 1.0	< 2.0	ND	
NMOCD Standard	10	NA	NA	NA	50	

Table 2: Laboratory Sample Results

ug/l: micrograms per liter

Product: indicates free-phase product was detected in the well and no sample was collected.

ND: not detected

NA: not applicable

P-2 and MW-7 contained BTEX concentrations above New Mexico Oil Conservation Division (NMOCD) standards. P-1 and P-2 are located within the bermed area and are the wells closest to the

Mr. David Smith December 17, 2009 Page 3 of 3

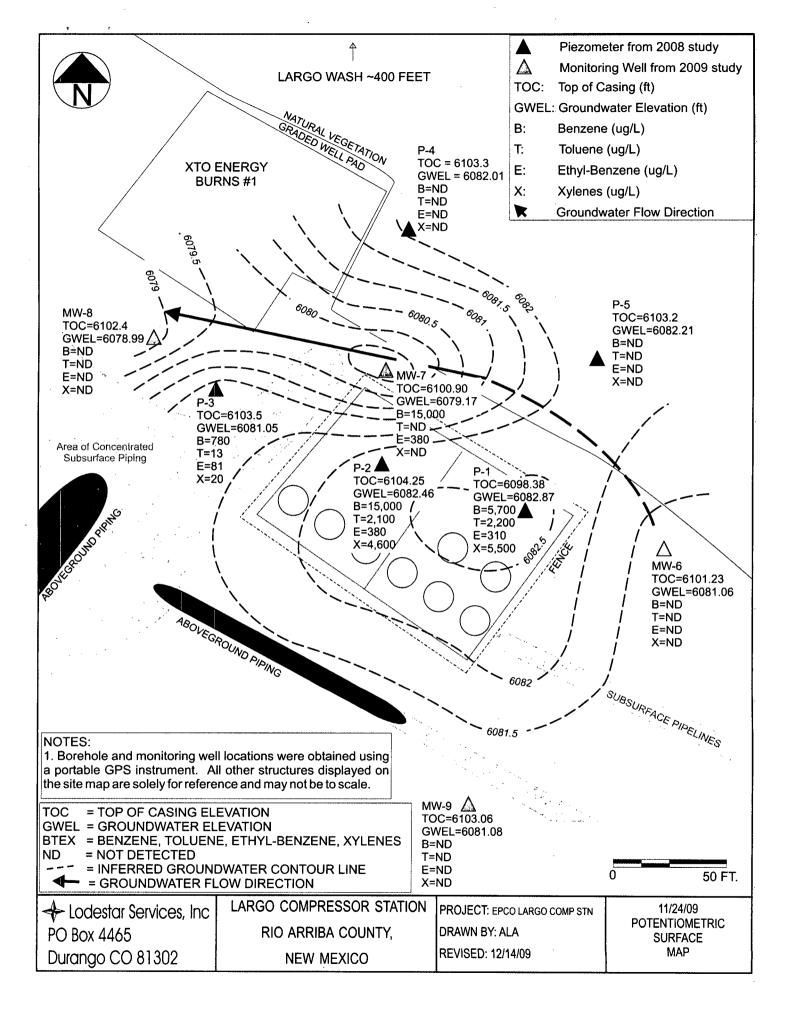
original source. MW-7 is located downgradient of P-1 and P-2, indicating that some migration of dissolved phase contaminants has occurred.

Lodestar will continue to monitor downward migration by sampling on a quarterly basis. The next quarterly sampling event is scheduled for February 2010. Lodestar appreciates this opportunity to perform these services for Enterprise. If you have any questions or require additional information, please do not hesitate to call me at (970) 946-1093.

Sincerely, Lodestar Services, LLC

Ashley Ager

- Cc: Rex Meyer, Geo Monitoring Services Glen von Gonten, NMOCD Brandon Powel, NMOCD File
- Attachments: Potentiometric Surface Map Well Development and Sampling Logs Laboratory Report



Lodestar Services, Incorporated PO Box 4465, Dürango, CO 81302 Office (970) 946-1093

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Project Name:				Location:			Well No:	P-2 13:47	
Project Manager:	Enterprise Ashley Age		Sar	npler's Name:	11/24/200 Ashley Age		. Time:	13:47	
			•						
Measuring Point: Well Diameter:	th to Water: <u>21.79</u> ft Total Depth: <u>23.86</u> ft umn Height: 2.07 ft			Depth to Product: Product Thickness:					
Sampling Method: Submersible Pump Centrifugal Pump Peristaltic Pump Other Bottom Valve Bailer Double Check Valve Bailer Criteria: J 3 to 5 Casing Volumes of Water Removal J Stabilization of Indicator Parameters J Other bail dry									
Criteria:		sing Volumes of	Water Remov	'al ⊡ Stabili	ization of Indic	ator Paramete	rs [⊻]Oth	er bail dry	
				Water Volume	e in Well				
Gal/ft x ft of w 0.01 x 2.07		· · · · · · · · · · · · · · · · · · ·	lons 2 x 3	Oun 2.65				to be removed 7.9 oz	
0.01 x 2.0.	/	0.02	2 X 3	2.65	X 3			7.9 oz	
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate	
13:50	7.18	19.4	13.8					gray	
Final:					. ,				
COMMENTS:	Only enoug	gh water in w	vell to meas	sure paramete	rs one time.				
Instrumentation:	√ pH Meter	🗌 DO Moni	tor 「기	Conductivity Meter	ि Tei	mperature Met	er 🗹 Oth	er	
			_	•					
Water Disposal: On Site									
Sample ID:	P-2			Sample Time:	13:56				
Analysis Requested:	✓ BTEX Other		Alkalinity	y 🗌 tds	Cations	Anions	Nitrate [Nitrite Metals	
Trip Blank:	112420	09AA01	Duplicate Sample: NA						

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

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1

Project Name: Largo Comp Stn Client: Enterprise Project Manager: Ashley Ager			Location: LCS Date: 11/24/2009 Sampler's Name: Ashley Ager				Well No: Time:	P-3 13:30	
Measuring Point: Well Diameter:	th to Water:22.45 ft Total Depth:24.17 ft umn Height:1.72 ft					ft ft			
Sampling Method: Submersible Pump Centrifugal Pump Peristaltic Pump Other Ø Bottom Valve Bailer Double Check Valve Bailer Criteria: 3 to 5 Casing Volumes of Water Removal Stabilization of Indicator Parameters Other bail dry									
				Water Volume	in Well				
Gal/ft x ft of w		Gall		Ound		·		to be removed	
0.01 x 1.72	2	0.01	/ X 3	2.2 >	(3		t	5.6 OZ	
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate	
13:32	7.20	18.4	13.1					clear	
· · ···									
· · · · · · · · · · · · · · · · · · ·		<u> </u>							
								<u> </u>	
Final:						2.55 1.12			
COMMENTS:	Only enoug	h water in w	vell to meas	ure parameter	s one time.	<u>.</u>			
Instrumentation:	✓ pH Meter	DO Moni	tor 🗹 C	onductivity Meter	√ Te	mperature Met	ier 🗸 Oth	er	
Water Disposal:	On Site								
Sample ID:	P-3		:	Sample Time:	13:43				
Analysis Requested:	✓ BTEX Other		Alkalinity	TDS	Cations	Anions	Nitrate	Nitrite Metals	
Trip Blank:	112420	09AA01				Duplica	ate Sample:	NA	

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Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

Project Name: Client: Project Manager: Measuring Point: Well Diameter: Sampling Method:	Enterprise Ashley Agen TOC 1"	r Dept T Water Colu Die Pump	h to Water: otal Depth: mn Height: Centrifuga	21.29 21.76 0.47	11/24/200 Ashley Age ft ft	r Depth Produc	to Product: t Thickness:	13:07ft	
Criteria: 🔽 3 to 5 Casing Volumes of Water Removal 🗹 Stabilization of Indicator Parameters 🗹 Other bail dry									
Gal/ft x ft of w	oter	Gall		Water Volume Oune		1	Volume	to be removed	
0.01 x 0.47		0.00		0.602				1.8 oz	
L0.01 X 0.47		0.00	5 / 5	0.002	^J	L		02	
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate	
Final:				-		•	1		
COMMENTS: Insufficient water volume in well to measure parameters. Only enough water to fill 1 voa.									
Instrumentation:									
Sample ID:	P-4		:	Sample Time:	13:55				
Analysis Requested:	BTEX		Alkalinity	TDS	Cations	Anions	Nitrate [Nitrite Metals	
Trip Blank: 11242009AA01 Duplicate Sample: NA									

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

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Project Name Client Project Manager	Location: LCS Date: 11/24/2009 Sampler's Name: Ashley Ager				Well No: Time:	P-5 13:21			
Measuring Point Well Diameter		Ţ	h to Water: Total Depth: Jmn Height:		ft		to Product: t Thickness:	ft ft	
Sampling Method	: ☐ Submersil ✓ Bottom Va : ✓ 3 to 5 Cas	alve Bailer	_	neck Valve Bailer	eristaltic Pum	p 🗌 Othe		e <mark>r bail dry</mark>	
		r		Water Volume	e in Well	1			
Gal/ft x ft of v			lons	Oun				to be removed	
0.01 x 1.4	4	0.01	4 x 3	1.8	(3			5.4 oz	
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate	
13:22	7.23	19.3	12.7					clean	
·									
Final:		•							
COMMENTS:	COMMENTS: Only enough water in well to measure parameters one time.								
Instrumentation:	✓ pH Meter	DO Moni	itor 🔽 Ci	onductivity Meter	√ Te	mperature Met	er 🗹 Oth	er	
Water Disposal:	On Site								
Sample ID:	P-5			Sample Time:	13:26				
Analysis Requested:	✓ BTEX Other		Alkalinity	TDS	Cations	Anions	Nitrate	Nitrite Metals	
Trip Blank:	112420	09AA01	Duplicate Sample: NA						

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WELL	DEVE	OPMENT		SAMP	ING	106
**	DLVLL		ANU.	SHIVIF	LING	LUG

Project Name: Client: Project Manager:	Enterprise		- San	Location: Date: npler's Name:	Well No: Time:	<u>MW-6</u> 12:00		
Measuring Point: Well Diameter:		ד		20.17 27.73 7.56	ft	Depth Produc	to Product: t Thickness:	ft ft
	Bottom Va		f Water Remov	neck Valve Bailer al 🗹 Stabili		o Othe		er bail dry
				Water Volume	e in Well	· · · · · · · · · · · · · · · · · · ·		
Gal/ft x ft of w			lons	Oun	ces			to be removed
0.16 x 7.56	5	1.21	L x 3				3	.63 gal
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
12:05	6.81	17.0	12.7				0.25	cloudy, tan
	6.96	17.9	13.2			·	0.5	light brown, cloudy
·····	7.04	16.7	13.4				0.75	light brown, cloudy
	7.06	16.8	13.4				1	light brown, silty
	7.07	17.2	12.4				2	brown, silty
	7.08	13.3	12.5				2.5	brown, silty
	7.16	11.0	12.7				3	brown, silty, bailing down
	7.13	11.0	12.6				3.5	brown, silty
	7.16	11.0	12.9				3.65	brown, silty
Final:	7.14	11.0	13.8		• • • •		3.8	brown, silty
COMMENTS:								
Instrumentation:	🗹 pH Meter	DO Moni	itor 🗹 C	onductivity Meter	√ Te	mperature Met	er 🗹 Oth	er
Water Disposal:	On Site							
Sample ID:	MW-6		. :	Sample Time:	12:21			
Analysis Requested:	✓ BTEX Other		Alkalinity		Cations	Anions	Nitrate	Nitrite Metals
Trip Blank:	112420	09AA01				Duplica	ate Sample:	NA

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Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

	••••••••							
Project Name Client Project Manager	: Enterprise		San	Location: Date: npler's Name:	11/24/200		Well No: Time:	MW-7 11:32
Measuring Point Well Diameter		- т	h to Water: otal Depth: Imn Height:	28.39	ft		to Product: t Thickness:	ft ft
Sampling Method Criteria	Bottom V			heck Valve Bailer	eristaltic Pump zation of Indic	o Othe		er bail dry
				Water Volume				
Gal/ft x ft of			ons	Ound	ces			to be removed
0.16 x 6.6		1.07	×3		····			3.2 gal
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
11:35	7.18	28.0	13.8				0.25	yellow, HC odor
	7.21	28.8	13.8				0.5	black, HC odor
	7.51	28.5	13.8				0.75	black, silty
	7.50	13.4	13.8				1	black, silty
	7.57	28.4	13.8				2	black, silty
	7.59	28.7	13.8 14.0	·			2.75 3	black, siltyblack, siltyblack, silty
	7.50							
Final:	7.58	28.4	13.8				3.25	black, silty
COMMENTS:								
Instrumentation Water Disposal		DO Moni	tor I c	Conductivity Meter	[√] Ter	mperature Met	er 🗹 Oth	er
water Disposal	. On site							
Sample ID	: <u>MW-7</u>			Sample Time:	11:57			
Analysis Requested	: 🗹 BTEX	00Cs	Alkalinity		Cations	Anions	Nitrate	Nitrite Metals
Trip Blank	:112420	09AA01				Duplica	ate Sample:	NA

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WFIL	DEVELOPMENT	AND SAMPLING LOG
**	DETERONICITI	741D 3/400 E00

Project Name Client Project Manager	: Enterprise		Sar	Location: Date: npler's Name:	11/24/200		Well No: Time:	MW-8 12:50
Measuring Point Well Diameter		ר	otal Depth:	23.41 28.22 4.81	ft	Depth Produc	to Product: t Thickness:	ft ft
Sampling Method Criteria	: ☐ Submersil ✓ Bottom Va : ✓ 3 to 5 Cas	lve Bailer	f Water Remov	neck Valve Bailer al 🗹 Stabili		o 🗌 Othe		er bail dry
				Water Volume	in Well	r		
Gal/ft x ft of			lons	Ound	es	L		to be removed
0.16 x 4.8	81	0.7	7 x 3				2.	.31 gal
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
12:53	7.17	18.0	13.8				0.25	clear, tan
	7.17	18.1	13.9				0.5	tan, silty
	7.19	18.1	14.1				0.75	tan, silty
	7.18	18.1	14.1				1	gray, silty
	7.21	18.1	13.8				2	gray, silty, bailing down
Final:	7.2	18.1	13.9				2.5	gray, silty, well bailed dry
rinar:	1.2	10.1	15.9	· · · ·		1	2.5	gray, sity, weil balled dry
COMMENTS: Instrumentation		DO Moni	itor 🗹 C	ionductivity Meter		mperature Met	er 🗹 Othe	2r
Water Disposal	Un site							
Sample ID	: <u>MW-8</u>			Sample Time:	12:59			
Analysis Requested	BTEX		Alkalinity		Cations	Anions	Nitrate	Nitrite Metals
Trip Blank	. 112420	09AA01				Duplica	ate Sample:	NA

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Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WELL DEVELOPMENT AND SAMPLING LOG

Project Name Client Project Manager	: Enterprise	- 	- Sar	Location: Date: npler's Name:	11/24/200		Well No: Time:	MW-9 12:26
Measuring Point Well Diameter		T T	h to Water: Total Depth: Imn Height:	32.37	ft	Depth Produc	to Product: t Thickness:	ft ft
Sampling Method Criteria	: Submersil	alve Bailer	_	neck Valve Bailer	Peristaltic Pump	o 🗌 Othe		_{er} bail dry
				Water Volume	e in Well			
Gal/ft x ft of		••••••••••••••••••••••••••••••••••••••	lons	Oun	ces		·	to be removed
0.16 x 10.	39	1.66	5 x 3				. 4	.99 gai
e	·				-			
Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
12:30	7.14	9.7	13.8			1	0.5	brown, cloudy
	7.12	9.7	13.9			<u> </u>	1	brown, cloudy
	7.14	9.9	13.7				2	brown, cloudy
	7.13	9.9	13.6				3	brown, cloudy
	7.15	9.9	13.6				4	brown, cloudy
	7.14	9.8	13.6				5	brown, cloudy
							· · · ·	
Final:	7.14	9.9	13.8			4	5.25	brown, cloudy
COMMENTS:								
Instrumentation	: 🗹 pH Meter	DO Moni	tor 🔽 C	onductivity Meter	⊡ Te	mperature Met	er 🗹 Oth	er
Water Disposal	: On Site							
Sample ID	: <u>MW-9</u>			Sample Time:	12:44			
Analysis Requested	: 🗹 BTEX	vocs	Alkalinity	r 🗍 TDS	Cations	Anions	Nitrate [Nitrite Metals
Trip Blank	:112420	09AA01				Duplica	ate Sample:	NA
							-	

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COVER LETTER

Monday, December 07, 2009

Ashley Ager Lodestar Services PO Box 4465 Durango, CO 81302

TEL: (970) 946-1093 FAX (970) 385-6794

RE: Largo Compressor Stn

Dear Ashley Ager:

Order No.: 0911490

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 11/25/2009 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. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't 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



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109 505.345.3975 ■ Fax 505.345.4107 www.hallenvironmental.com

CLIENT:		Lodestar Services					L	ab Order:	0911490
Project:		Largo Compressor Stn							
Lab ID:		0911490-01				Collect	ion Date:	11/24/20	09 11:57:00 AM
Client Sam	ple ID	: MW-7			•		Matrix:	AQUEO	US ·
Analyses			Result	PQL	Qual	Units		DF	Date Analyzed
		21B: VOLATILES							Analyst: NSE
Benzene			13000	500		µg/L		500	12/3/2009 5:09:43 AM
Toluene			ND	100		µg/L		100	12/3/2009 5:40:01 AM
Ethylbenzen	ne		150	100		μg/L		100	12/3/2009 5:40:01 AM
Xylenes, Tol			ND	200		μg/L		100	12/3/2009 5:40:01 AM
		lorobenzene	101	65.9-130		%REC		100	12/3/2009 5:40:01 AM
									·
Lab ID:		0911490-02			(Collecti			09 12:21:00 PM
Client Samp	ole ID	: MW-6					Matrix:	AQUEOU	
Analyses			Result	PQL	Qual	Units		DF	Date Analyzed
EPA METHO	D 802	21B: VOLATILES							Analyst: NSE
Benzene			ND	1.0		µg/L		1	12/3/2009 5:19:21 PM
Toluene			ND	1.0		µg/L		1	12/3/2009 5:19:21 PM
Ethylbenzen	8		ND	1.0		µg/L		1	12/3/2009 5:19:21 PM
Xylenes, Tota	ai		ND	2.0		µg/L	,	1	12/3/2009 5:19:21 PM
Surr: 4-Bro	omofiu	orobenzene	99.5	65.9-130		%REC		1	12/3/2009 5:19:21 PM
Lab ID:		0911490-03				Collecti	on Date:	11/24/200	9 12:44:00 PM
Client Samp	le ID:				-			AQUEOU	
Analyses			Result	PQL	Qual	Units		DF	Date Analyzed
	ID 802	21B: VOLATILES							Analyst: NSB
Benzene			ND	1.0		µg/L		1	12/3/2009 5:49:40 PM
Toluene			ND	1.0		µg/L			12/3/2009 5:49:40 PM
Ethylbenzene			ND	1.0		µg/L			12/3/2009 5:49:40 PM
Xylenes, Tota			ND	2.0		µg/L			12/3/2009 5:49:40 PM
		orobenzene	98.4	65.9-130		%REC			12/3/2009 5:49:40 PM
		0011400.04					Deter	11/24/200	0.10.50.00 D) (
.ab ID: Nont Somel	L. ID.	0911490-04 MW-8			C			AQUEOU	9 12:59:00 PM
Client Samp		IVI W -0	Result	POI	Qual		Matrix:	DF	
nalyses			Kesuit	FQL	Quai	Units		D F	Date Analyzed
	D 802	1B: VOLATILES							Analyst: NSB
Benzene			ND	1.0		µg/L			12/3/2009 6:19:55 PM
Toluene			ND	1.0		µg/L			12/3/2009 6:19:55 PM
Ethylbenzene			ND	1.0		µg/L			12/3/2009 6:19:55 PM
Xylenes, Tota			ND	2.0		µg/L			12/3/2009 6:19:55 PM
Surr: 4-Bro	mofluc	orobenzene	95.2	65.9-130		%REC		1 '	12/3/2009 6:19:55 PM
Qualifiers:	•	Value exceeds Maximum Con	taminant Level		F	3 Anal	yte detected	in the associ	ated Method Blank
		Estimated value			ł	•	-		or analysis exceeded
		Analyte detected below quanti	tation limits				-	minant Level	
		Not Detected at the Reporting			R	L Repo	rting Limit		
		Snike recovery outside accente		~		•	-		Page 1 c

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S Spike recovery outside accepted recovery limits

CLIENT: Project:	Lodestar Services Largo Compressor Stn					Lab Ord	er: 0911490
Lab ID:	0911490-05				Collection D	ate: 11/24	/2009 1:55:00 PM
Client Sample ID	P-4				Ma	trix: AQU	EOUS
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 80	21B: VOLATILES						Analyst: NSE
Benzene		ND	1.0		µg/L	1	12/4/2009 12:27:17 AN
Toluene		ND	1.0		µg/L	1	12/4/2009 12:27:17 AN
Ethylbenzene		ND	1.0		µg/L	1	12/4/2009 12:27:17 AM
Xylenes, Total		ND	2.0		µg/L	1	12/4/2009 12:27:17 AM
Surr: 4-Bromofiu	lorobenzene	84.6	6 5.9-130		%REC	. 1	12/4/2009 12:27:17 AM
Lab ID:	0911490-06				Collection D	ate: 11/24/	/2009 1:26:00 PM
Client Sample ID	: P-5				Mat	rix: AQUI	EOUS
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 80	21B: VOLATILES						Analyst: NSE
Benzene		ND	1.0		µg/L	1	12/4/2009 12:57:42 AM
Toluene		ND	1.0		µg/L	1	12/4/2009 12:57:42 AM
Ethylbenzene		NĎ	1.0		µg/L	1	12/4/2009 12:57:42 AM
Xylenes, Total		ND	2.0		µg/L	1	12/4/2009 12:57:42 AM
Surr: 4-Bromoflu	orobenzene	87.2	65.9-130		%REC	1	12/4/2009 12:57:42 AM
Lab ID:	0911490-07			(Collection D	ate: 11/24/	2009 1:43:00 PM
Client Sample ID:	: P-3				Mat	rix: AQUE	OUS
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 802	Partices 218: VOLATILES						Analyst: NSB
Benzene		1.4	1.0		µg/L	1	12/4/2009 1:28:10 AM
Toluene		ND	1.0		µg/L	1	12/4/2009 1:28:10 AM
Ethylbenzene		1.5	1.0		µg/L	1	12/4/2009 1:28:10 AM
Xylenes, Total		ND	2.0		µg/L	1	12/4/2009 1:28:10 AM
Surr: 4-Bromoflu	orobenzene	116	65. 9 -130		%REC	1	12/4/2009 1:28:10 AM
Lab ID:	0911490-08			(Collection Da	ate: 11/24/2	2009 1:56:00 PM
Client Sample ID:	P-2				Mat	rix: AQUE	OUS
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
PA METHOD 802	1B: VOLATILES	0.4000					Analyst: NSB
Benzene		21000	500		µg/L	500	12/4/2009 1:21:13 PM
Toluene		360	100		µg/L	100	12/4/2009 1:58:32 AM
Ethylbenzene		460	100		µg/L	100	12/4/2009 1:58:32 AM
Xylenes, Total	.	2700	200		µg/L MBCO	100	12/4/2009 1:58:32 AM
Surr: 4-Bromofluc	Drobenzene	105	65.9-130		%REC	100	12/4/2009 1:58:32 AM
Qualifiers: *	Value exceeds Maximum Con	aminant Level		F	3 Analyte det	ected in the se	sociated Method Blank
	Estimated value			H Holding times for preparation or analysis exc			
	Analyte detected below quantit	tation limits			CL Maximum		-
ND	Not Detected at the Dependence				I Depending 1		

ND Not Detected at the Reporting Limit

Spike recovery outside accepted recovery limits

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MCL Maximum Contaminant Level RL Reporting Limit

Date: 07-Dec-09

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Page 2 of 3

Date: 07-Dec-09

CLIENT: Project:	Lodestar Services Largo Compressor Stn					Lab Order:	0911490
Lab ID:	0911490-09			C	ollection	Date:	
Client Sample	ID: Trip Blank				Μ	atrix: AQUEO	US
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8021B: VOLATILES			·····			Analyst: NSB
Benzene		ND	1.0		µg/L	1	12/4/2009 2:59:16 AM
Toluene		ND	1.0	i	µg/L	1	12/4/2009 2:59:16 AM
Ethylbenzene		ND	1.0	1	µg/L	1	12/4/2009 2:59:16 AM
Xylenes, Total		ND	2.0	1	µg/L	1	12/4/2009 2:59:16 AM
Surr: 4-Bron	nofluorobenzene	93.9	- 65.9-130	l l	%REC	1	12/4/2009 2:59:16 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Page 3 of 3

QA/QC SUMMARY REPORT

Cljent:	Lodestar Services										
Project:	Largo Compressor Stn								Work	Order:	0911490
Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec L	.owLimit Hi	ighLimit	%RPD	RPDLimit	Qual
Method: EPA Met	thod 8021B: Volatiles		<u>.</u>						• "		
Sample ID: 5ML RE	3	MBLK				Batch ID:	R36415	Analysi	s Date:	12/2/2009	9:22:02 AN
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: 5ML RE	3	MBLK				Batch ID:	R36424	Analysi	s Date:	12/3/2009	9:43:08 AN
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: 5ML RE	3	MBLK				Batch ID:	R36448	Analysis	B Date:	12/4/2009	9:48:19 AM
Benzene	. ND	µg/Ł	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG	BTEX LCS	LCS				Batch ID:	R36415	Analysis	B Date:	12/2/2009	5:30:08 PM
Benzene	21.17	µg/L	1.0	20	0	106	85.9	113			
Toluene	21.52	µg/L	1.0	20	0	108	86.4	113			
Ethylbenzene	21.73	µg/L	1.0	20	0.078	108	83.5	118			
Xylenes, Total	65.37	µg/L	2.0	60	0	109	83.4	122			
Sample ID: 100NG	BTEX LCS	LCS				Batch ID:	R36424	Analysis	Date:	12/3/2009	9:24:43 PM
Benzene	21.02	µg/L	1.0	20	0	105	85.9	113			
Toluene	20.84	µg/L	1.0	20	0	104	86.4	113			
Ethylbenzene	20.38	µg/L	1.0	20	0:088	101	83.5	118			
Xylenes, Total	61.05	µg/L	2.0	60	0	102	83.4	122			

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

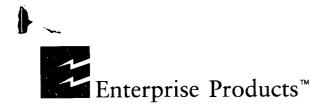
Page 1

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·	Sample	Rec	eipt C	hecklist					
Client Name LODESTAR SERVICES				Date	Received			11/25/2009	The state of the s
Work Order Number 0911490	\mathbf{N}			Rec	eived by:	ARS			5
	\mathbf{Y}		ula	Sam	ple ID lat	els checked	by:	<u> </u>	
Checklist completed by:	∠ff			510.7				inilals	
	U .	1							
Matrix:	Carrier name:	Gre	yhound						
Shipping container/cooler in good condition?		Yes		No [Not Present			
Custody seals intact on shipping container/cod	bler?	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 an	d 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[3				
All samples received within holding time?		Yes		No [Number of p	reserved
Water - VOA vials have zero headspace?	No VOA vials subm	nitted		Yes A	2	No 🗋		bottles chec pH:	ked for
Water - Preservation labels on bottle and cap r	match?	Yes		No []	N/A 🗹			
Water - pH acceptable upon receipt?		Yes		No []	N/A 🗹		<2 >12 unles	s noted
Container/Temp Blank temperature?		1.	7 °	<6° C. A	cceptable			below.	
COMMENTS:				If given s	ufficient ti	me to cool.			
· · · ·									
Client contacted	Date contacted:				Persor	contacted			
Contacted by:	Regarding:								
· · · · · · · · · · · · · · · · · · ·									
Comments:	·····								
L				····					
				·····					
Corrective Action									
<u> </u>									

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109	Analysis Request		S808 \ set ((AO\	Anions (F,Cl, 8081 Pesticid AOV) 80858 8270 (Semi- ¹ -ime2) 0728 /-ime2) 0728											4	es.com
ANALLEN ANALYS www.hallenvir 4901 Hawkins NE - Albu Tal 606.345-3075	Tel: 303-343-397.3 Fe	(Vino ssĐ) (IəsəiŪ\ss	3E + TPH 8015B (G 1 504.1) 1 PAH) 815	BTEX + MTE TPH Method EDB (Method 8310 (PNA d 8310 (PNA d											Remarks: Pligg send results to	ALA@ lodestarservices.
Turn-Around Time: Standard D Rush Project Name: Largo Compressor Sh Project #:		Project Manager: Ashilwy Ager	Sampler: Ashley, Ager	Container Preservative Type	Home / Hack 1 v	40mL/3 HGCh 2 V	40.1/3 Hally 3	40~1/3 Hach 4 ~	7	49-1 202 Hack 6 V	40 mil/3 Hd Cis 7 1	40m//3 Hp C/3 8 V	402/12 HEI a v		Rederved by 9:57 II h 5 / 9 P	Date
Record	946 1093	 Level 4 (Full Validation) 		Matrix Sample Request ID	GW MW-7	N MW-6	W MW-9	\neg	P-4	P-5		P-2	TRIPBLANK		Relinquished by:	Time: Relinquisher of: O Received by: U
Client: Lodestar Services Mailing Address: PO Box 446	Phone #: 970 9	email or Fax#: * QA/QC Package: X Standard	Other EDD (Type)	Date Time Ma	11-24-09 1157 G	11-24-09 1221 GW	H-24-09 1244 GW	11-24-09 1259 6W	11-24-09 1355 GW	11-24-09 1326 6W	11-24-09 1343 6W	U-24-09 1356 GW	11-24-09 0700 GW		0	Date: Time: Relinc



RECEIVED 2009 DEC 21 PM 1 46

December 15, 2009

ENTERPRISE PRODUCTS PARTNERS LP ENTERPRISE PRODUCTS OPERATING LLC ENTERPRISE PRODUCTS GP, LLC, GENERAL PARTNER ENTERPRISE PRODUCTS OLPGP, INC., SOLE MANAGER

Return Receipt Requested 7009 1680 0001 0284 2604

Mr. Leonard Lowe Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Subsurface Investigation Report Largo Compressor Station, Enterprise Field Services, LLC Rio Arriba County, New Mexico

Dear Mr. Lowe,

The enclosed *Report of Subsurface Investigation at Largo Compressor Station*, dated November 30, 2009, presents the findings of the second subsurface investigation conducted at the Enterprise Field Services, LLC (Enterprise) Largo Compressor Station during August 2009. The investigation was performed in response to OCD Inspection Report GW-211 dated July 9, 2009. This report requested remediation of impacted groundwater at facility resulting from the overflow of drain tanks containing natural gas condensate. A proposed work plan entitled: *Response to Inspection Report GW-211*, was submitted to the OCD on July 23, 2009 in response to the request.

The enclosed report provides the results of the proposed subsurface investigation, and includes current groundwater sampling data. The investigation results indicated that impacted soil and groundwater is limited to the immediate vicinity of the condensate storage tanks.

On July 29, 2009, a meeting was held between Enterprise and OCD representatives to discuss proposed remedial actions at this site. Enterprise requested that the OCD allow the tanks to remain in service for approximately an additional year until facility operational changes allowed removal of the tanks. During this time, Enterprise will implement the interim remedial actions proposed in the enclosed report. These actions include removal of free-phase hydrocarbons at one well location, injection of oxidants to treat affected groundwater and evaluation of the effectiveness of this treatment during quarterly groundwater monitoring events. If these actions are not effective, Enterprise will evaluate air sparging remedial options until the tanks can be removed from service.

We believe these proposed actions will control any potential migration of affected groundwater from the release site, and reduce groundwater constituent concentrations. In the event that implementation of additional remedial actions or monitoring is required, the OCD will be notified immediately and a work plan submitted describing proposed actions. Remediation of the site 1

Mr. Leonard Lowe December 15, 2009 Page 2

will be completed when the tanks are removed from service, and affected soils beneath the tanks can be removed.

If the OCD has any comments or questions regarding the site investigation results or proposed interim remedial actions presented in this reports, please me at 713-381-2286 or drsmith@epco.com.

Sincerely,

David R. Smith, P.G.

/bjm Attachments

cc: Brandon Powell, NMOCD Aztec Office Ashley Auger, Lodestar Services, Durango, CO Rex Meyer, GeoMonitoring Services, Houston, TX



November 30, 2009

Mr. David Smith Enterprise Products Operating L.P. P. O. Box 4324 Houston, Texas 77210-4324

RE: Report of Subsurface Investigation at Largo Compressor Station Enterprise Field Services, LLC T26N, R11W, S15, Rio Arriba County, New Mexico

Dear Mr. Smith,

Lodestar Services, LLC (Lodestar) conducted a soil boring and sampling program at Enterprise Field Services, LLC's (Enterprise) Largo Compressor Station on August 3 through August 10, 2009. Largo Compressor Station is located in Section 15 of Township 26 North and Range 7 West in Rio Arriba County, New Mexico. This work represents the second subsurface investigation and was undertaken to further delineate and characterize impacted soil and groundwater due to overflow from a natural gas condensate storage tank. Results from this investigation will be used to better estimate the amount of impacted soil that needs to be removed, examine groundwater conditions and develop other remedial actions, if necessary.

Site Background

On January 4, 2008, a valve at the base of a storage tank failed after it froze and its contents flowed into two, 120 bbl sub-grade drain tanks. The drain tanks subsequently overflowed and released approximately 505 bbl of natural gas condensate into an unlined earthen/gravel containment area. Vacuum trucks were dispatched to remove the liquids from the containment, and the release was immediately reported to the Aztec field office of the New Mexico Oil Conservation Division (NMOCD).

The release visibly stained a 30' \times 30' area within the containment, and Enterprise conducted an initial subsurface investigation during March and April of 2008 to define vertical extent of impacted soil and to determine if groundwater had been impacted. Results of that investigation were submitted to the NMOCD on May 16, 2008.

On June 9, 2009, NMOCD conducted an inspection at the Largo Compressor Station and identified the need for immediate remediation of groundwater. In response to Inspection Report GW-211 dated July 9, 2009, Enterprise submitted a work plan for a second subsurface investigation to further delineate impacted soils and confirm cross- and downgradient control on groundwater impacts.

Methods

The subsurface investigation consisted of ten new soil borings to at least 20 feet below ground surface (bgs) using a hollow stem auger drilling rig. A geologist collected soil samples every five feet within the borings using a hammer and split spoon sampler. A hand auger was used to complete two shallower borings within the bermed area. Auger samples were described and

field screened every five feet. Groundwater was identified in all auger borings, and four new groundwater monitoring wells were installed. Locations of borings and groundwater wells from both the current and previous investigations are presented in Figure 1.

All down-hole drilling equipment was thoroughly decontaminated prior to each use. Boreholes proceeded until the depth of impacted soil was identified or groundwater was encountered. Soil samples were described, and screening was conducted for volatile aromatic hydrocarbons every five feet and anywhere that soil was stained or had a hydrocarbon odor. Screening was performed with a Minirae 2000 photo ionization detector (PID) according to the NMOCD's Guidelines for Remediation of Leaks, Spills, and Releases, August 13, 1993. Lithologic logs are attached. Laboratory samples were collected from the bottom of each soil boring and from sections of core containing the highest field screening result. The samples were placed in precleaned glass jars supplied by the laboratory, labeled with the location, date, time, sample technician, and method of analysis, and immediately packed on ice. The samples were shipped to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico via Grevhound Bus following strict chain-of-custody procedures. HEAL analyzed soil samples for benzene, toluene, ethyl-benzene and total xylenes (BTEX), as well as total petroleum hydrocarbons (TPH). Boreholes containing no impacted soil were backfilled with the original material removed from the hole. Boreholes containing impacted soil were plugged with bentonite and hydrated. Any impacted soil recovered from boreholes was stockpiled on lined material to be characterized for proper disposal.

Groundwater was identified in all soil borings. Two-inch monitoring wells were installed in four locations to better constrain groundwater flow behavior at the site. Wells were constructed of schedule 40, two-inch diameter polyvinyl-chloride (PVC) and included ten feet of 0.02-inch machine slotted flush-threaded PVC well screen. Five feet of screen was set beneath the water table and at least five feet above to allow for seasonal fluctuations. A clean 10-20 grade silica sand gravel pack was placed from the bottom of the boring to two feet above the top of the screen. Two feet of three-eights inch natural bentonite chips were set above the gravel pack followed by a neat cement slurry, containing a minimum of five percent powdered bentonite, to the surface. Well completion diagrams are attached.

New monitoring wells and existing piezometers were sampled. Depth to water and total depth of the wells were measured with a Keck oil/water interface probe. Presence of any free-phase crude oil was also investigated using the interface probe. The interface probe was decontaminated with Alconox[™] soap and rinsed with de-ionized water prior to each measurement. Lodestar developed the new wells by purging fluid with a disposable bailer until the pH, specific conductivity and temperature stabilized and turbidity was reduced to the greatest extent possible. Samples were collected by filling three pre-cleaned and pre-preserved 40-milliliter (ml) glass vials with zero headspace to prevent degradation of the sample. The groundwater samples were shipped on ice to HEAL and analyzed for BTEX according to USEPA method 8021B. All purge water was disposed into the tank pit on site. Data were recorded on the attached *Well Development and Sampling Logs*.

A local groundwater flow direction was established by surveying the top of casing elevations on each well, including piezometers, with a surveyor's level and using a hand-held GPS to determine spacing between wells.

Results

Subsurface soils were identified as Quaternary alluvium consisting of unconsolidated silts, sands and clays typical of the Largo Canyon fluvial environment. Adjacent Largo Wash, an ephemeral stream, controls deposition of these sediments in the form of stream and overwash deposits within the Canyon Largo floodplain. Palluche Canyon, 800 feet to the west, may also play a role in fluvial deposition. Aeolian deposits were also identified. These sediments consisted of well-sorted sands and silts that are interrupted by fluvial sequences. The irregular fluvial and aeolian influences represent rapid facies changes and contribute to varying grain sizes and thicknesses of deposits between boreholes.

Results are presented from both investigations (Figure 2). Two cross sections, trending eastwest and north-south, are shown in Figures 3 and 4. A clay unit is evident across the study area, occurring between 12 and 21 feet bgs (Figure 5). It is not uniform. It exhibits an undulating surface overlain by a thicker sand (up to 12 feet) sequence. Thickness of the underlying clay unit varies, ranging from two to at least seven feet thick. It is described as exhibiting both high and low plasticity, with the most cohesive and compressible clays (fat clays) occurring within and north of the bermed area. Across the southern portion of the study area, the clay exhibits more sand and silt content. Groundwater was identified within or on top of the clay layer. The sand above the clay is commonly observed to be a fining upwards sequence and is interbedded with thin clay and silt units, especially within the central bermed area. A silt to sandy silt occurs above the sand to the ground surface, except near B-2.

Soils collected from most outward lying borings did not produce high field screening results (less than 50 ppm on the PID), and concentrations of BTEX and TPH in the laboratory samples from these boreholes were not detected. Only soils collected in borings within and proximal to the bermed area (B-1, B-2, B-4, B-5, B-10, B-13, B-14, B-17, B-19, B-20, B-22, B-23, B-24, and B-29) contained concentrations of analytes over New Mexico Oil Conservation Division (NMOCD) standards. Table 1 presents field screening and laboratory results. Copies of the complete laboratory reports are attached.

Groundwater sampling results are presented in Table 2. Samples from P-1, P-2, P-3 and MW-7 contain concentrations of BTEX above New Mexico Water Quality Control Commission (NMWQCC) standards. Groundwater from P-3 is above standards for benzene, but below standards for remaining constituents. Downgradient wells P-4, MW-8, P-5 and upgradient wells MW-6 and MW-9 do not contain detectable concentrations of BTEX.

The top of casing elevations were surveyed so that groundwater flow direction could be inferred. Table 3 shows casing and groundwater elevations measured at each well. Figure 6 presents an inferred groundwater potentiometric surface map, indicating groundwater flow direction is generally towards the west-northwest (from MW-6 to MW-7, then MW-8). P-2 and P-1 static water levels suggest mounding in dike area.

Conclusions

Initial field screening results were confirmed by laboratory data and indicate impacts to soil at the Largo Compressor Station are localized. Soil is impacted within the bermed area from the ground surface to the groundwater table at a depth of approximately 18 feet bgs (Figure 7). Impacted soil extends outside of the bermed area in the northeast and southwest directions, but is contained within clayey soil units at and just below the water table (approximately 17.5 feet

3

bgs and below, Figure 8). Thickness of impacted soils ranges from almost 20 feet within the bermed area to less than 2 feet over a distance of less than 50 feet.

The clay across the base of the study area represents an aquitard; groundwater appears to be confined within the unit, primarily running along a paleo-channel from MW-6 towards MW-7 and on to MW-8. Groundwater immediately beneath and north of the bermed area has been impacted by the tank overflow. Piezometers and monitoring wells-installed 60 feet away from the bermed area in any direction does not contain detectable levels of BTEX, indicating migration of dissolved phase contamination along the water table is limited. Dissolved phase contamination has moved downgradient, but only to wells MW-7 and P-3. Downgradient wells MW-5 and P-4 have not been affected by the release.

Excavation of impacted soils is expected next year. Using results from the two subsurface investigations, a volume of affected soil can be estimated. If excavated, approximately 11,340 yds³ of soil would have to be unearthed, of which approximately 3780 yds³ will need to be removed and treated or disposed. If affected soil is eliminated, groundwater quality will likely improve. Additional progress can be gained by pumping out any groundwater that pools within the excavation using a vacuum truck. Groundwater monitoring wells will need to be installed after the excavation is complete to monitor groundwater quality and determine if future remedial measures are required.

Logistical constraints of removing the tanks may delay excavation. In the interim, Enterprise has directed Lodestar to replace P-1 with a 4-inch monitoring well and use oil-absorbent socks to remove free-phase product from the water table. Additionally, Enterprise intends to inject Oxygen Release Compound (ORC) to address down-gradient groundwater contamination. BTEX concentrations will be assessed during quarterly monitoring events. If no improvement is documented, Enterprise will initiate pilot studies for air sparging. Lodestar will work with GeoMonitoring Services and Enterprise to submit a work plan to NMOCD describing these measures in detail.

Lodestar appreciates the opportunity to conduct the work described in this report. Please contact me at (970) 946-1093 with any questions that may arise.

Sincerely, LODESTAR SERVICES, INC

they L am

Ashley L. Ager

Cc: Rex Meyer, GeoMonitoring Services Don Fernald, EFS file

Attachments: Table 1: Soil Screening and Laboratory Results Table 2: Laboratory Results from Groundwater Samples Table 3: Groundwater Elevations

Figure 1: Site Map

Enterprise Products Operating, LP

Figure 2: Map Showing Soil Sampling Results

Figure 3: East-West Cross Section

Figure 4: North-South Cross Section

Figure 5: Isopleth Showing Depth to Clay Layer

Figure 6: Groundwater Potentiometric Surface Map

Figure 7: Isopleth Map Showing Depth to Impacted Soil

Figure 8: Isopach Map Showing Thickness of Impacted Soil

Soil Boring Lithologic Logs Well Completion Diagrams Well Development and Sampling Logs Laboratory Reports

	FIELD SCREENING (ppm)	DRO (mg/Kg)	MRO (mg/Kg)	GRO (mg/Kg)	TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- Benzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)
NMOCD Standar	d				100	10				50
Sample Name (B	orehole Numbe	r followed b	v Sample F	enth)						
B-1 4'	133.2	240	260	550	1050	ND	ND	1.5	44	45.5
B-1 14.5'	82	ND	ND	6.7	6.7	1.8	ND	0.12	0.25	2.17
B-2 12.5'	85	45	ND	240	285	NÐ	1.4	0.82	13	15.22
B-2 22'	24.8	ND	ND	7.5	7.5	1.5	ND	ND	0.23	1.73
B-3 21'	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-4 23'	162	ND	ND	ND	ND	0.64	ND	0.19	0.12	0.95
B-5 17.5'	1067	60	67	400	527	1.2	ND	1.7	17	19.9
B-6 18'	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-7 18'	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
B-8 18'	1.9	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
B-9 21'	0.3	ND	ND ND		ND ND	ND ND	ND ND	ND	ND ND	ND ND
B-10 10' B-10 20'	50.8 400	ND ND	ND ND	<u>ND</u> 55	<u>55</u>	0.06	ND ND	0.16	2.3	2.52
B-10 20 B-11 22'	1.8	ND	ND ND	55 ND	55 ND	ND	ND ND	0.16 ND	2.5 ND	ND
B-11 22 B-12 18.5'	0.2	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND
			ND ND	ND	ND ND	ND	ND	ND	ND	ND
B-12 20'	0.7	ND								ND ND
B-13 10'	7.2	ND	ND	ND	ND	ND	ND	ND	ND	
B-13 12.5'	8.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-13 20'	38.5	ND	ND	9.8	9.8	0.092	ND	ND	ND	0.092
B-14 5'	17.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-14 17.5'	1062	ND	ND	870	870	6.2	5.5	1.8	18	31.5
B-14 22'	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-15 17.5'	18.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-15 20'	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-16 20'	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-17 17.5'	8.5	ND	ND	ND	ND	0.47	ND	ND	ND	0.47
B-17 20'	12.1	ND	ND	ND	ND	0.069	ND	ND	ND	0.069
B-18 20'	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-19 20'	64.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-21 20'	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-22 15'	2543	16	ND	1200	1216	10	25	5.8	62	102.8
B-22 20'	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-23 15'	1973	18	ND	960	978	ND	9.3	4.0	46	59.3
B-23 20'	19.5	ND	ND	ND	ND	0.28	ND	ND	ND	0.28
B-24 15'	1736	10	ND	200	210	ND	ND .	0.63	7.9	8.53
B-24 22'	16.8	ND	ND	ND	ND	ND	ND .	ND	ND	ND
B-25 20'	22.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-26 20'	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-20 20 B-27 20'	0.0	ND ND	ND	ND	ND	ND	ND	ND	ND	ND
B-27 20 B-28 15'			ND ND	ND ND	ND	ND	ND-			ND
· · · · · · · · · · · · · · · · · · ·	0.0	ND					-	ND	ND	
B-28 20'	0.0	ND		ND		ND	ND	ND	ND	ND
B-29 15'	0.0	ND	ND	ND	ND	ND	ND	ND	ND 18	ND
B-29 18'	1569	17	ND	420	437	ND	ND	1.7	18	19.7
B-29 20'	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-30 15'	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-30 20'	0.0	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
Hand Auger 1 -5'	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hand Auger 2 – 14"	1826	300	300	980	1580	ND	ND	ND	38	38

Table 1: Soil Field Screening and Laboratory Results

NMOCD: New Mexico Oil Conservation Division GRO: Gasoline Range Organics DRO: Diesel Range Organics MRO: Motor Oil Range Organics

ND: Not Detected in sample ppm: parts per million mg/Kg: milligrams per kilograms

Enterprise Products Operating, LP

Largo Compressor Station Rio Arriba County, NM

	Benzene (µg/L)	Toluene (μg/L)	Ethyl- Benzene (µg/L)	Total Xylenes (μg/L)
NMWQCC Standard	10	750	750	620
Well Name				
P-1	5700	2200	310	5500
P-2	15,000	2100	380	4600
P-3	780	13	81	20
 P-4	ND	ND	ND	ND
P-5	ND	ND	ND	ND
MW-6	ND	ND	ND	ND
MW-7	15,000	ND	380	310
MW-8	ND	ND	ND	ND
MW-9	ND	ND	ND	ND

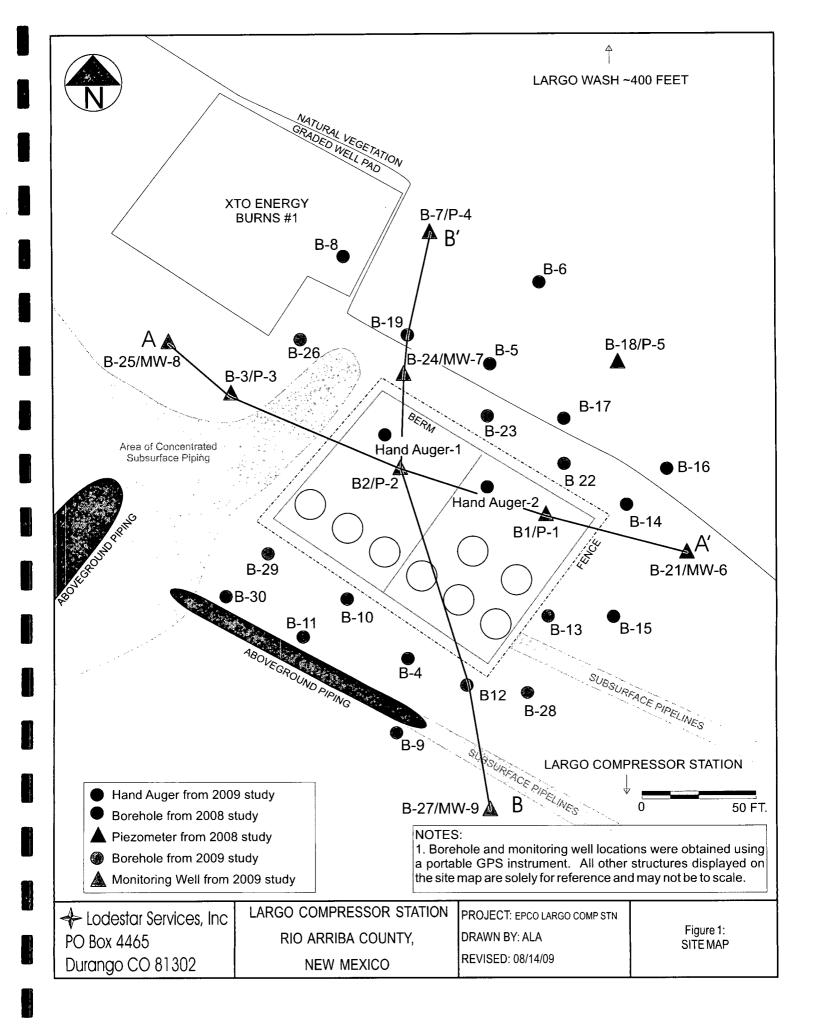
Table 2: Laboratory Results from Groundwater Samples

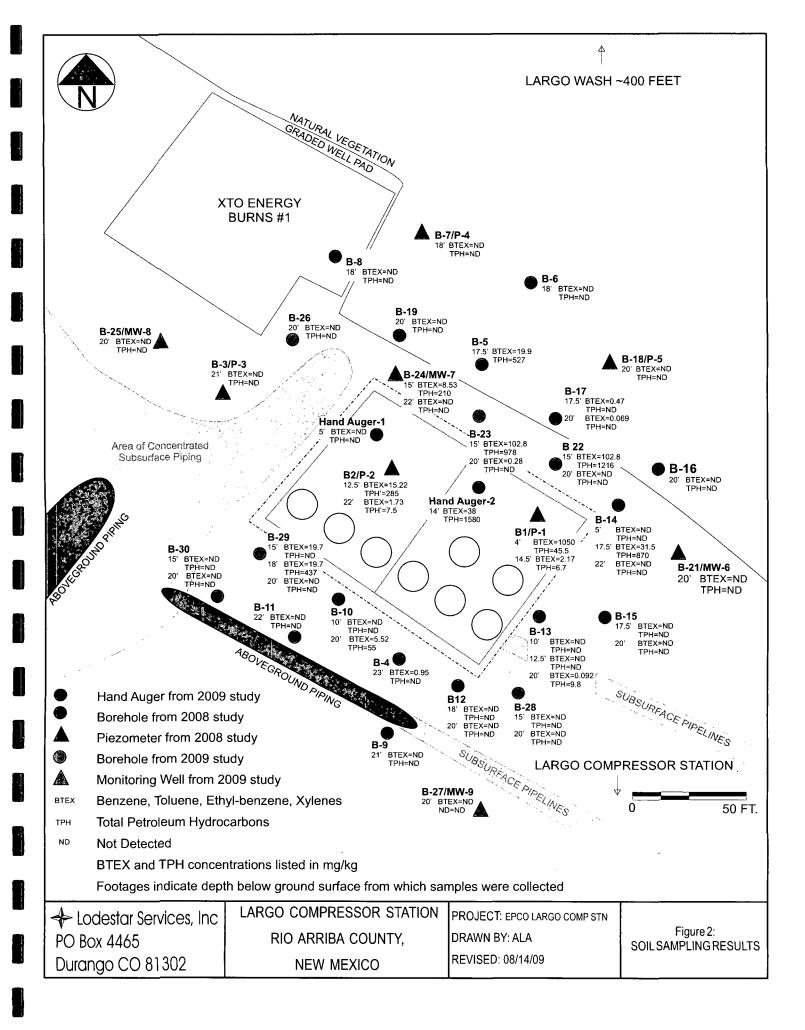
NMWQCC: New Mexico Water Quality Control Commission ND: Not Detected in sample µg/L: micrograms per liter

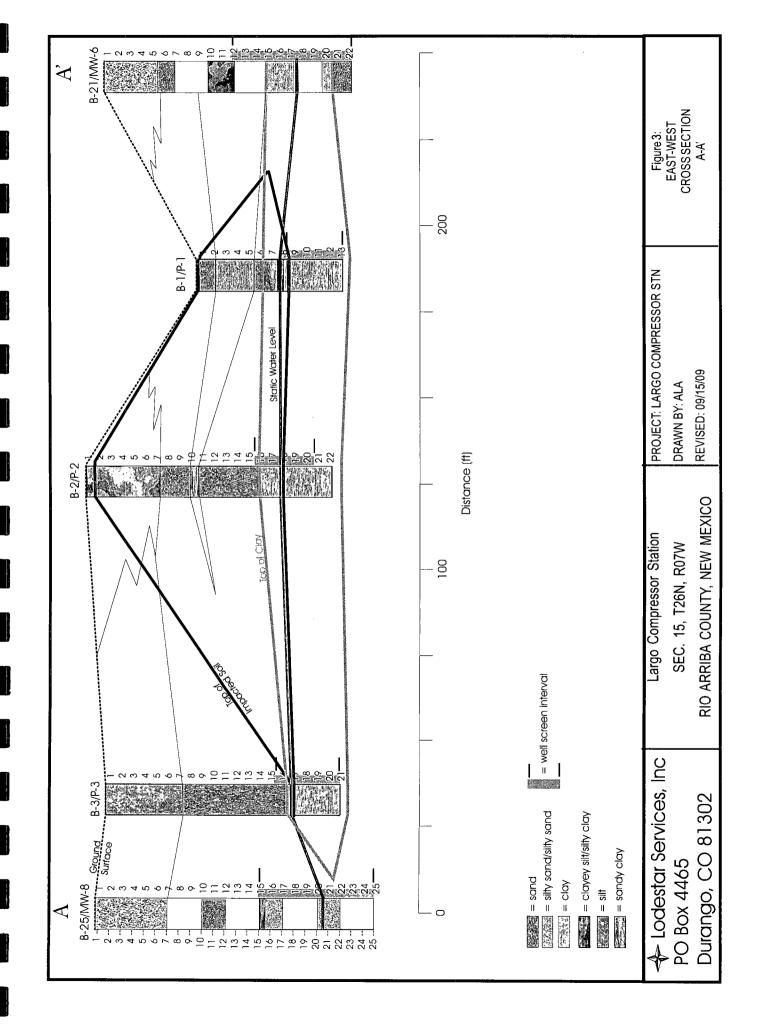
Well Name	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)
P-1	6098.38	16.56	6081.82
P-2	6104.25	21.95	6082.3
P-3	6103.5	22.15	6081.35
P-4	6103.3	21.17	6082.13
P-5	6103.2	20.89	6082.31
MW-6	6101.23	20.28	6080.95
MW-7	6100.9	21.52	6079.38
MW-8	6102.4	23.17	6079.23
MW-9	6103.06	21.95	6081.11

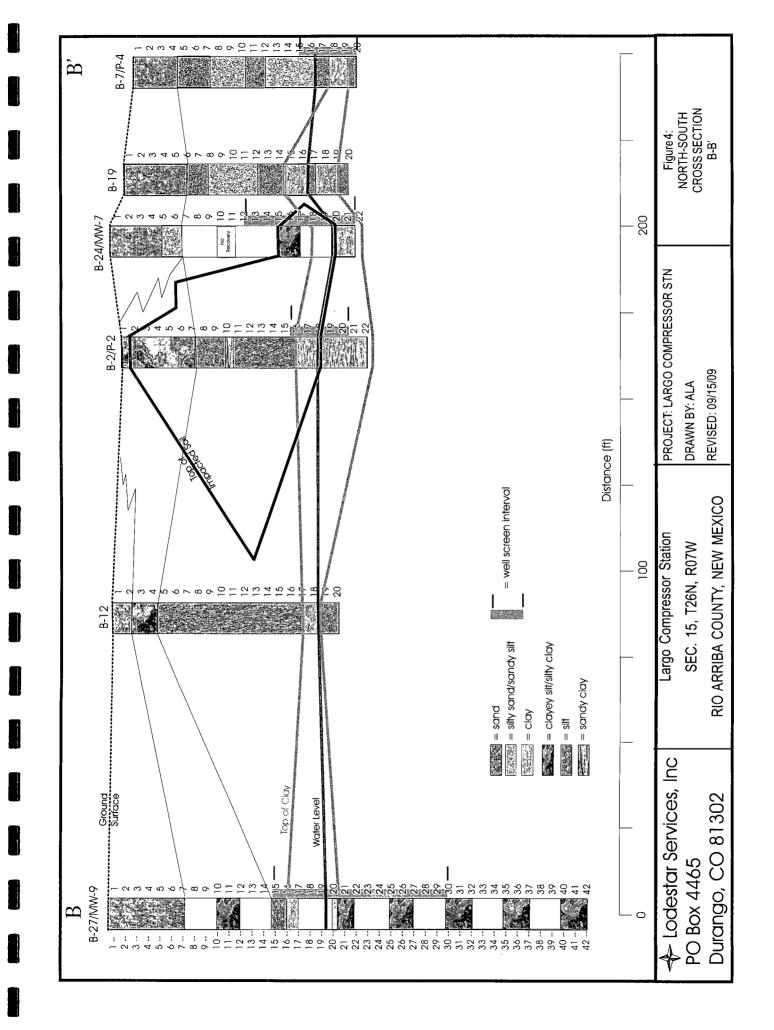
Table 3: Groundwater Elevations

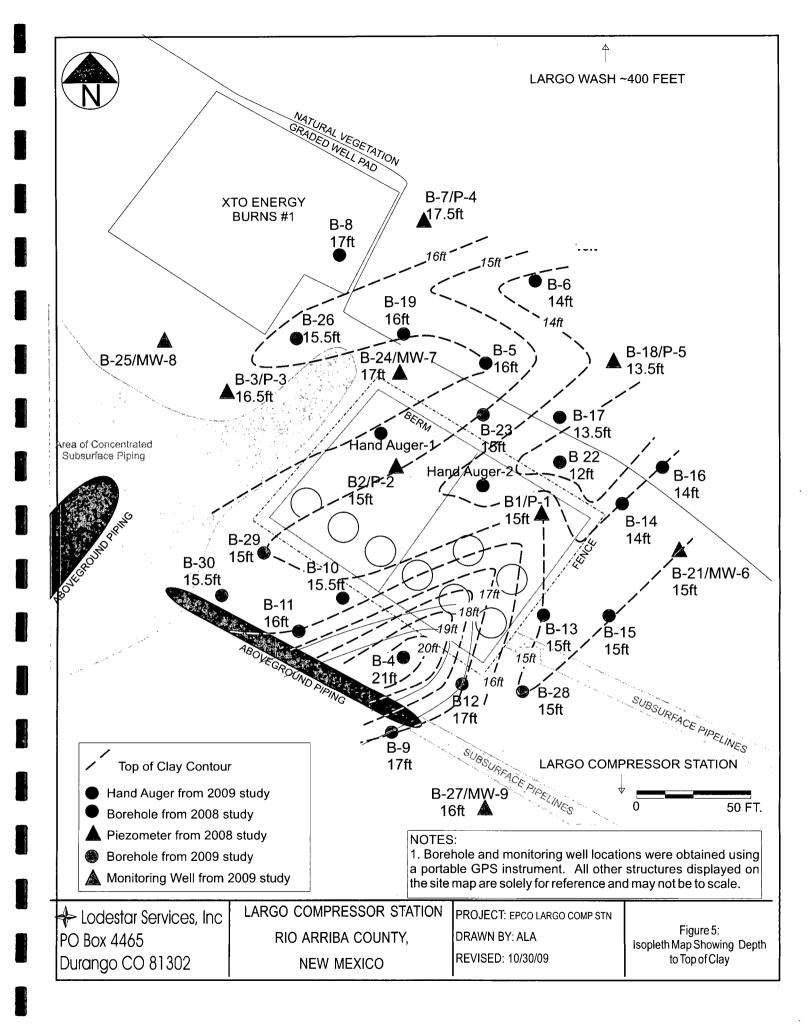
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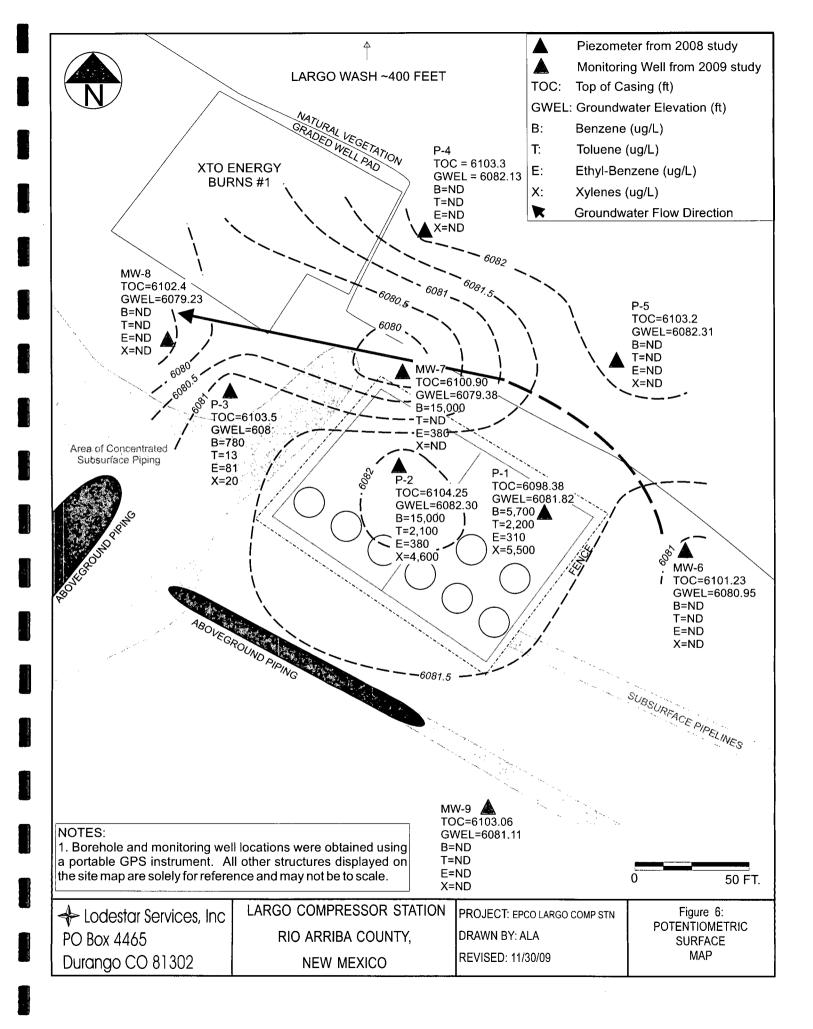


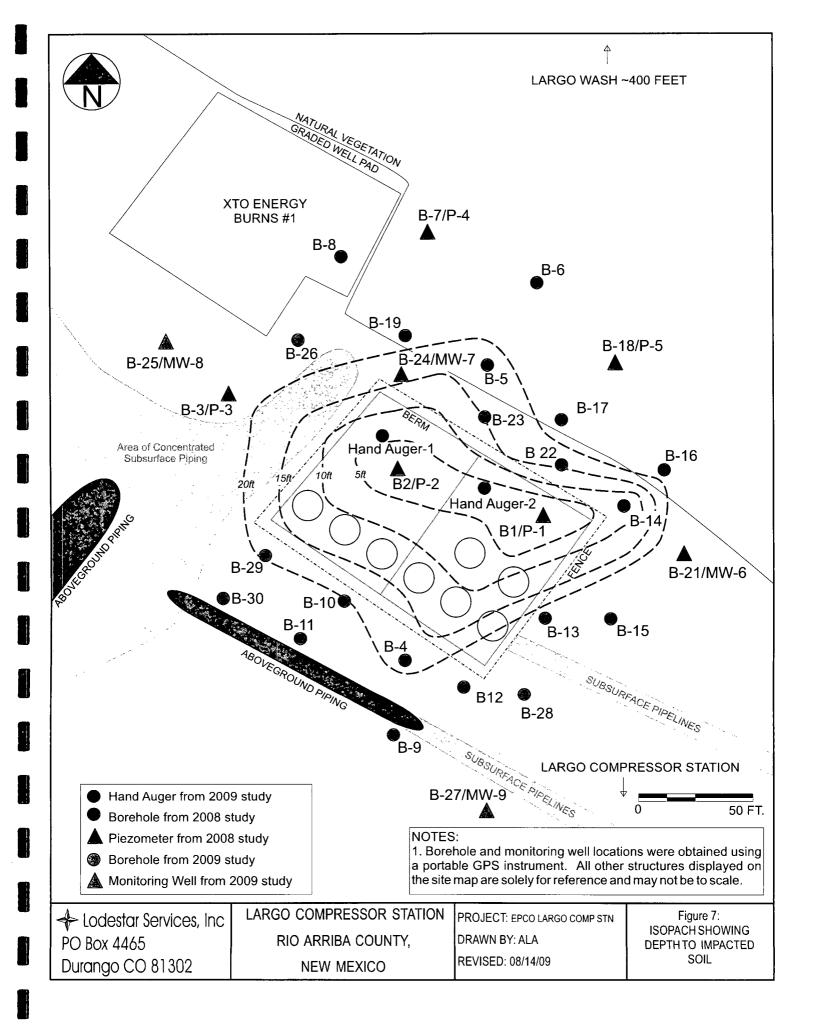


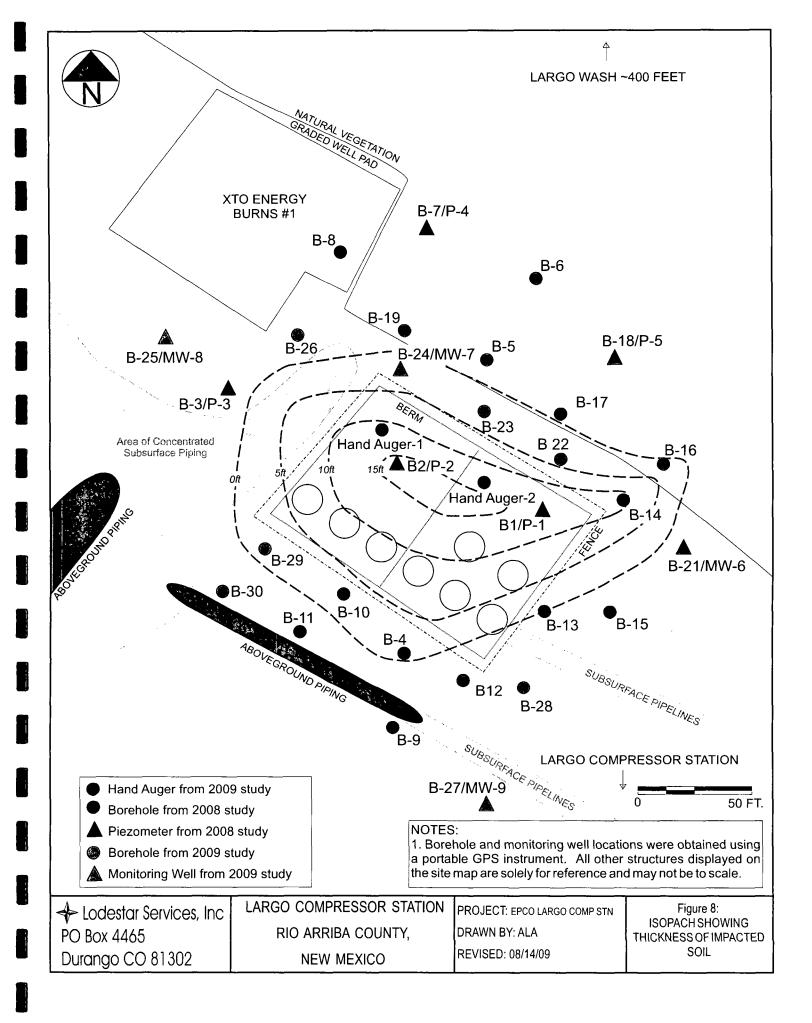












Soil Boring Lithologic Logs

Q

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location:	36° 29.200' N, 107° 33.443' W
GWL Depth:	6.5'
Drilled By:	EarthWorx
Well Logged By:	ALA
Date Started:	3/31/2008
Date Completed:	3/31/2008
•	······································

Borehole #:	B-1

Well #:

1 of 1

Page: _

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4' 4-8'	Push Core, 29" Push Core, 30"	0-0.2': med. to fine grained, w. sorted brown sand, damp. 0.2-2': grayish brown, med. grained sand, mod. Sorted, some odor, roots. 2-4': grayish brown clay w/some sand content, black staining, damp, occasional gravel content 4-5.7':clay, as above. 5.7-6.08':grayish brown, p. sorted fine sand, sub- rounded, slight odor. 6.08-6.75': black, w.sorted fine sand interbedded with black clay units (<1''), wet. 6.75-8': very black, sandy clay, low odor, graded contact. v.wet at 7.5'.	0' = 2062 2' = 329 4' = 133.2 6' = 125 7' = 66.2 8' = 95.4	Easy, quick penetration Easy, quick penetration
10 10 15 15 20		8-14.5'		8-13':saturated blackish-gray clay, decaying odor (not HC) .	10' = 89.5 12' = 85 14.5' = 82	Easy, quick penetration

Comments:

Borehole B-1 is located within the bermed area, just south of the tank pit that has leaked.

The tank pit is sunken below normal ground surface. Therefore, top of borehole is approximately 8' below other boreholes.

LodeStar Services						
P.O. Box 4465						
Durango, CO 81302						
970-946-1093						

Borehole Location:36GWL Depth:EDrilled By:EWell Logged By:ADate Started:3Date Completed:3

<u>36° 29.214' N, 107° 33</u> .469' W
18
EarthWorx
ALA
3/31/2008
3/31/2008

Borehole #:	B-2
Well #:	
Page:	1 of 1

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0		0-4'	Push Core, 22"	0-4': berm gravel to 0.2', then grayish brown sandy clay, dry, heavy black staining near top, but no odor	0' = 5.2 2' = 342 4' = 59.9	Easy, quick penetration
5		4-8'	Push Core, 29"	4-7': grayish brown clay as above. 7-8': alternating layers of black and brown fine sands, slight HC odor and some decaying odor, fine sand, p. sorted, dry	6' = 34 8' = 45.4	Easy, quick penetration
10		8-12'	Push Core, 25"	8-10': interbedded black and brown sands as above. 10-11': brown, sandy clay with some black staining and HC odor. 11-12': brown, well-sorted c. sand, angular, damp.	10' = 255 12' = 85	Easy, quick penetration
 		12-16'	Push Core, 32"	12-15.5': brown, well sorted c. sand as above. 15.5-16': brown sandy clay, wet	14' = 1616 16' = 17.5	Easy, quick penetration
		16-22'	Push Core, 33"	16-20': very black, wet interbedded sand and thin clays. Increasing grain size with depth (fine to med.). 18': saturated grayish black clay 20-22: black clay with minor sand content (<20%)	18' = 2179 20' = 30.8 22' = 24.8 .	

Comments:

Borehole B-2 is located within the bermed area, but is not below grade. Projected crossgradient from spill.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Bo	rehole #: B-3	
	Well #:	
	Page:	1 of 1
Project Number:		
Project Name: Lar	go Compress	or Station
Project Location: Larg	go Canyon	

 Borehole Location:
 36° 29.223' N, 107° 33.489' W

 GWL Depth:
 16.5'

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 3/31/2008

 Date Completed:
 3/31/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 20"	0-4': light brown, compacted, hard silt, dry.	0' = 1.5 2' = 1.2 4' = 0.4	Easy, quick penetration
5 5 		4-8'	Push Core, 24''	4-7.5': light brown silt, as above. 7.5-8': light brown med. sand, w. sorted, sub- rounded, dry.	6' = 0.6 8' = 0.9	Easy, quick penetration
10		8-12'	Push Core, 29"	8-12': brown fine sand, mod. sorted, some dark brown clay stringers. Increasing dampness with depth.	10' = 0.6 12' = 1.1	Easy, quick penetration
15		12-16'	Push Core, 34"	12-16: brown fine sand as above	14' = 4.3 16' = 4.2	Easy, quick penetration
		16-21'	Push Core, 36"	16-16.5': brown fine sand as above. 16.5-20': light brown clay, saturated and swollen 20-21': gray clay, saturated, no odor.	18' = 4.0 20' = 4.4 21' = 4.8	Easy, quick penetration

Comments:

B-3 is projected to be cross-gradient of spill.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-4		
	Well #:			
	Page:	1	of 1	
Project Number:	_			
Project Name:	_argo Comp	ressor Stat	ion	
Project Location:	Largo Canyo	n .		

 Borehole Location:
 36° 29.201' N, 107° 33.469' W

 GWL Depth:
 21

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0		0-4'	Push Core, 22"	0-2': light brown silt, compact and hard, dry. 2-4': light brown silt, compact and hard, damp.	0' = 0.2 2' = 0.4 4' = 0.5	Easy, quick penetration
5 5 		4-8'	Push Core, 25"	4-6': light brown silt, as above 6-6.5': brown clay, friable 6.5-8': alternating brown clay and fine sand, light brown, increasing grain size with depth.	6' = 0.6 8' = 0.8	Easy, quick penetration
10 10		8-12'	Push Core, 32"	8-12': brown sand with increasing grain size, fine to med., p. sorted.	10' = 1.9 12' = 0.8	Easy, quick penetration
15		12-16'	Push Core, 34"	12-16': brown sand with increasing grain size, med to coarse, p. sorted, damp.	14' = 2.4 16' = 2.2	Easy, quick penetration
		16-20'	Push Core, 34"	16-20': brown sand with increasing grain size, coarse to v. coarse, p. sorted, damp.	18' = 78.9 20' = 248	Easy, quick penetration
20		20-23'	Push Core, 18"	20-21':v. coarse sand, p. sorted, wet. 21-23": gray silty clay , saturated at 21'	23 = 162	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-5					
	Well #:						
	Page:		1 of 1				
Project Number:							
Project Name:	Largo Compressor Station						
Project Location: Largo Canyon							

 Borehole Location:
 36° 29.226' N, 107° 33.460' W

 GWL Depth:
 17.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 18"	0-4': light brown, compacted, hard silt, dry.	0' = 0.2 2' = 0.4 4' = 0.4	Easy, quick penetration
5 		4-8'	Push Core, 22"	4-8': hard silt as above	6' = 0.7 8' = 0.6	Easy, quick penetration
10		8-12'	20"	8-9': hard silt as above. 9-11.5': tan, p. sorted, m. grained, loose sand, dry. 11.5-12': tan silt, loose, dry.	10' = 0.5 12' = 0.4	Easy, quick penetration
 15		12-16'	Push Core, 28"	12-13: tan silt as above. 13-16: tan, med. to fine sand, p. sorted, dry and loose.	14' = 0.7 16' = 0.6	Easy, quick penetration
20		16-17.5'	Push Core, 20"	16-16.5': brown, sandy clay (fine to med. grain sand content), wet just under 20'. 16.5-17.5': med. grained black sand, HC odor, saturated, p. sorted.	17.5' = 1067	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:		
	Page:	1 of 1	
Project Number:			
Project Name:	Largo Compres	ssor Station	
Project Location:	Largo Canyon		

Borehole #: B-6

 Borehole Location:
 36° 29.233' N, 107° 33.455' W

 GWL Depth:
 16

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-3': light brown, compacted, hard silt, dry, roots. 3-4': light brown, med. sand, w. sorted, dry, roots.	0' = 1.7 2' = 1.3 4' = 1.5	Easy, quick penetration
5		4-8'		4-6': light brown silt, hard, dry. 6-8': light brown fine sand, loose, w. sorted, sub rounded.	6' = 1.8 8' = 1.3	Easy, quick penetration
		8-12'	Push Core, 31"	8-12': light brown fine sand, loose, w. sorted, sub rounded. Occasional thin layers (<1/2") of med. sand, p. sorted, angular	10' = 1.4 12' = 2.0	Easy, quick penetration
15		12-16'	Push Core, 30''	12-14': brown, sandy silt, damp, p. sorted. 14-15': brown clay, damp. 15-16': brown p. sorted med. sand, wet.	14' = 1.0 16' = 0.8	Easy, quick penetration
20		16-18'		16-18': saturated p. sorted brown med. sand, no odor.	18' = 0.6	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-7		
	Well #:	P-4		
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor	Station	
Project Location:				

 Borehole Location:
 36° 29.238' N, 107° 33.467' W

 GWL Depth:
 16.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-2': brown, compacted, hard silt, dry. 2-4': v. fine sand, w. sorted, loose and dry.	0' = 1.3 2' = 1.2 4' = 0.8	Easy, quick penetration
5 		4-8'	Push Core, 29"	 4-4.5': dark brown silt, roots, damp. 4.5-7.5': brown fine sand, w. sorted, loose and dry, with two layers of med. p. sorted sand (<1/2" thick). 7.5-8': laminated brown and dark brown sandy silt. 	6' = 1.5 8' = 0.9	Easy, quick penetration
10		8-12'	Push Core, 32"	8-10.5': alternating fine sand and sandy silts. brown, p. sorted, dry. 10.5-12': brown med. sand, p. sorted, angular, dry	10' = 1.1 12' = 0.9	Easy, quick penetration
15		12-16'	Push Core, 31"	12-16': alternating thin layers of silty sand and fine sand, damp, well defined boundaries.	14' = 1.2 16' = 1.5	Easy, quick penetration
		16-18'	Push Core, 18''	16-16.5': brown, c. sand, p. sorted, wet. 16.5-17.5': saturated brown c. sand. 17.5-18': brownish gray clay, saturated, roots, no odor.	18' = 1.0	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Dorenole #. L	J-0	
	Well #:		
	Page:	1 of 1	
Project Number:			
Project Name:	Largo Compre	essor Station	
Project Location:	Largo Canyor	1	

Borehole #: B-8

 Borehole Location:
 36° 29.237' N, 107° 33.475' W

 GWL Depth:
 16.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 		0-4'	Push Core,	0-2': brown, compacted, hard silt, dry. 2-3': brown, compacted, hard silt, damp. 3-4': brown fine silty sand, p. sorted, dry.	0' = 2.0 2' = 6.2 4' = 10.0	Easy, quick penetration
5 		4-8'	Push Core, 31"	4-7.5': brown fine silty sand, p. sorted, dry. 7.5-8': brown fine sand, p. sorted, dry.	6' = 9.6 8' = 2.4	Easy, quick penetration
10		8-12'	Push Core, 30''	8-12': brown med. sand, p. sorted, sub rounded, dry and loose.	10' = 2.5 12' = 2.8	Easy, quick penetration
15		12-16'	Push Core, 31"	12-15': brown med sand as above. 15-16': brown sandy silt, some med and fine content, p. sorted, sub rounded to sub angular, wet.	14' = 2.7 16' = 6.9	Easy, quick penetration
20		16-18'	Push Core, 17.5"	16-17': brown sandy silt as above. Saturated at 16.5'. 17-18': brown clay, saturated. 18-18.5': p. sorted, brown c. sand, angular, saturated.	18' = 1.9	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Neil #:	
Page:	1 of 1
Compress	sor Station
Canyon	

Borehole #: B-9

 Borehole Location:
 36° 29.193' N, 107° 33.471' W

 GWL Depth:
 20

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
°				0-3': light brown, compacted, hard silt, damp.	0' = 1.3	h
		0-4'	Push Core, 26"	3-3.5': brown clay, hard and damp. 3.5-4': interbedded fine sand and silt layers that are light brown in color, dry and p. sorted.		Easy, quick penetration
5			Duch Corr		4' = 1.8 6' = 1.7	
		4-8'	28"	4-8': interbedded fine sand and silt layers as above.	8' = 1.1	Easy, quick penetration
10		8-12'	Push Core, 31"	8-8.5': interbedded fine sand and silt layers as above, 8.5-9': brown med sand, p. sorted, dry. 9-12': brown c. sand, p. sorted, dry, sub angular, varying mineralogies.	10' = 1.2 12' = 2.3	Easy, quick penetration
15		12-16'	Push Core, 31"	12-16': c. sand as above.	14' = 0.6 16' = 0.3	Easy, quick penetration
		16-20'	Push Core, 33"	16-16.5': c sand as above. 16.5-17': dark brown med. sand, discoloration, but no odor, p. sorted, angular, damp. 17-17.3': dark brown clay, damp. 17.3-19': brown c. sand, angular, p. sorted, wet. 19-20': brown clay, wet.	18' = 0.8 20 = 0.5	Easy, quick penetration
20		20-21'	Push Core, 16"	20-21': brown sandy clay, saturated, no odor, black staining, roots.	21 = 0.3	Easy, quick penetration

Comments:

LodeStar Services					
P.O. Box 4465					
Durango, CO 81302					
970-946-1093					

Borehole Location: GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

1:	36° 29.205' N, 107° 33.476' W
	19
	EarthWorx
	ALA
	4/1/2008
	4/1/2008

	Borehole #:	B-10	
	Well #:		
	Page:	1	of 1
Project Number:			
Project Name:	Largo Comp	ressor Statio	on
Project Location:	Largo Canyo	n	

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 27"	0-1.5': light brown, compacted, hard silt, dry. 1.5-2': brown c. sand, p. sorted, dry. 2-4': brown sandy clay ,damp, black staining, no odor.	0' = 1.2 2' = 13.7 4' = 54.5.	Easy, quick penetration
5		4-8'	Push Core, 30"	4-8': tan med. sand, p. sorted, dry loose.	6' = 44.4 8' = 3.0	Easy, quick penetration
10		8-12'		8-8.5': tan med. sand as above. 8.5-11': brown sandy silt, iron staining, dry, loose. 11-12': brown med. to c. sand, p. sorted, angular, dry.	10' = 50.8 12' = 8.6	Easy, quick penetration
15		12-16'	Push Core, 31"	12-15.5': dark brown c. to v. c. sand, increasing g.s. w/depth, p. sorted, iron staining, angular. 15.5-15.75': dark brown clay, damp. 15.75-16': brown med. sand, p. sorted, damp.	14' = 20.5 16' = 8.8	Easy, quick penetration
		16-20'	Push Core, 31"	16-17.5': black sandy silt, damp. 17.5-18': black fine sand, wet, w. sorted. 18-19': brown clay, wet. 19-20': gray med. sand, p. sorted, saturated.	18.5' = 77.2 20 = 400	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location: GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

36° 29.201' N, 107° 33.481' W
20.5
EarthWorx
ALA
4/1/2008
4/1/2008

Borehole #:	B-11
Well #:	
Page:	1 of 1

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0	1	0-4'	Push Core, 22"	0-4': light brown, compacted, hard silt, damp.	0' = 2.1 2' = 1.0 4' = 0.8	Easy, quick penetration
5 		4-8'	Push Core, 28"	4-7.5': hard silt as above. 7.5-8': brown fine sand, w. sorted, damp.	6' = 0.5 8' = 0.8	Easy, quick penetration
		8-12'	Push Core, 30''	8-8.25'; brown fine sand as above. 8.25-12': brown, c. sand, p. sorted, varying mineralogies, angular, damp.	10' = 1.1 12' = 0.6	Easy, quick penetration
15		12-16'	Push Core, 30"	12-16': brown c. sand as above, some iron staining.	14' = 0.8 16' = 0.9	Easy, quick penetration
		16-20'	Push Core, 31"	16-17.5': brown clay, wet. 17.5-20': brown clay with some gray and black staining, no odor.	17.5' = 1.2 20 = 1.0	Easy, quick penetration
20		20-22'	Push Core, 21"	20-20.5': brown clay with staining as above. 20.5-22':brown clay, saturated.	22 = 1.8	

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location:36° 29.197'GWL Depth:18.5Drilled By:EarthWorxWell Logged By:ALADate Started:4/2/2008Date Completed:4/2/2008

n:	36° 29.197' N, 107° 33	.463' W
	18.5	
	EarthWorx	
	ALA	
	4/2/2008	
	4/2/2008	

Borehole #: <u>B-12</u>_____ Well #: _____ Page: _____1 of 1_____

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 		0-4'	Push Core, 25"	0-2': light brown, compacted, hard silt, damp. 2-4': brown silty clay, wet.	0' = 1.4 2' = 0.5 4' = 0.8	Easy, quick penetration
5 		4-8'	20"	4-4.5': silty clay as above. 4.5-8': brown fine sand, w. sorted, sub rounded, dry.	6' = 0.5 8' = 0.4	Easy, quick penetration
10		8-12'	Push Core, 31"	8-11.5': fine sand as above. 11.5-12': brown, c. sand, p, sorted dry.	10' = 0.4 12' = 0.4	Easy, quick penetration
 15		12-16'	Push Core, 29"	12-16': brown sand as above, increasing grain size w/ depth until v. coarse grain size at 16', varying mineralogies, subrounded, iron staining.	14' = 0.6 16' = 0.3	Easy, quick penetration
		16-20'	Push Core, 30"	16-17': c. sand as above, damp. 17-18.5': brown clay, wet. 18.5-20: brown med. sand, discolored with dark brownish gray staining, no odor, organic material, saturated.	18.5' = 0.2 20 = 0.7	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-13		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor	Station	
Project Location:	Largo Canyo	on		

 Borehole Location:
 36° 29.204' N, 107° 33.457' W

 GWL Depth:
 19

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 30"	0-0.5': light brown, compacted, hard silt, damp. 0.5-1': light brown med. to c sand, p. sorted, dry. 1-4': dark brown clay, damp.	0' = 1.3 2' = 2.4 4' = 18.6	Easy, quick penetration
5 		4-8'	Push Core, 32"	4-5': dark brown clay as above. 5-5.5': light brown silty sand, fine grained, w. sorted, dry. 5.5-8': dark brown med. sand, some silt content, p. sorted, dry, minor black staining at 5.5-6', no odor.	5.5' = 25.2 7.5' = 7.7	Easy, quick penetration
10		8-12'	Push Core, 31"	8-8.5': dark brown sand as above. 8-5-10': brown clay with interbedded med grained sand layers, dry. 10-11.5': grayish brown clay, wet. 11.5-12': grayish brown med. grained sand, wet.	10' = 7.2	Easy, quick penetration
15		12-16' [.]	Push Core, 31"	12-13': grayish brown med. to c. sand, some dark brown staining. 13-15': black fine sand, w. sorted, no odor, wet. 15-16': brownish gray wet clay.	12.5 = 8.2 15' = 46.2	Easy, quick penetration
		16-20'	Push Core, 32"	16-16.5': brownish gray clay as above. 16.5-19': blackish brown clay, HC odor, wet. 19-20': grayish brown saturated clay, roots.	17.5' = 12.2 20 = 38.5	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:		
	Page:	1 of	1
Project Number:			
Project Name:	Largo Comp	ressor Station	
Project Location:	Largo Canyo	on	

Borehole #: B-14

 Borehole Location:
 36° 29.211' N, 107° 33.451' W

 GWL Depth:
 17

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
□ 0 □ 0		0-4'	Push Core, 29"	0-1.5': light brown, compacted, hard silt, damp. 1.5-4': brown clay, wet.	0' = 1.6 2' = 8.5	Easy, quick penetration
5 		4-8'	Push Core, 30"	 4-4.5': brown fine sand, w. sorted, damp. 4.5-6': dark brown sand silt, damp. 6-8': brown fine sand, p. sorted, interbedded with thin clay layers, damp. 	5' = 17.5 7.5' = 110	Easy, quick penetration
10		8-12'	Push Core, 30''	8-12': interbedded sands and clays as above.	10' = 13.2 12 = 14.1	Easy, quick penetration
15		12-16'	Push Core, 31"	12-14': interbedded sands and clays as above. 14-16': brown clay, wet.	14 = 25.2 16' = 28.9	Easy, quick penetration
		16-20'	Push Core, 32"	16-17': brown clay, wet. 17-17.5': thin, black med. sand layer, no odor, saturated. 17.5-19.5': grayish brown clay, saturated. 19.5-20': brown clay, saturated.	17.5' = 1062 20 = 33	Easy, quick penetration
20		20-22'	Push Core, 12'	20-22': grayish brown clay, saturated, some HC odor, roots.	22 = 3.4	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-15		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor	Station	
Project Location:	Largo Canyo	on		

 Borehole Location:
 36° 29.204' N, 107° 33.450' W

 GWL Depth:
 18

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 22''	0-4': light brown, compacted, hard silt, damp.	2' = 1.0 4 = 8.9	Easy, quick penetration
5 		4-8'	Push Core, 29"	4-7.5': light brown silt as above. 7.5-8': brown, med. sand, p. sorted, dry.	6 = 5.5 8 = 2.1	Easy, quick penetration
10		8-12'	Push Core, 31"	8-8.5': brown med sand as above. 8.5-10.5': light brown silt, dry, loose. 10.5-12': brown, silty fine sand, p. sorted, damp.	10' = 3.0 12 = 1.8	Easy, quick penetration
15		12-16'	Push Core, 31"	12-13.5': brown silty sand as above. 13.5-15': brown, silty clay, damp. 15-16': brown silty clay, wet.	14 = 0.5 16' = 10.8	Easy, quick penetration
		16-20'	Push Core, 29"	16-18': brown silty clay, wet. 18-20': brown silty sand, saturated, no odor.	17.5' = 18.8 20 = 2.1	

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

 Borehole Location:
 36° 29.213' N, 107° 33.445' W

 GWL Depth:
 18

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

	Borehole #:	B-16	
	Well #:		
	Page:	1 of	1
Project Number:			
Project Name:	Largo Comp	ressor Station	
Project Location:	Largo Canyo	o n	

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-4': light brown, compacted, hard silt, damp.	2' = 1.4 4 = 1.0	Easy, quick penetration
5 		4-8'	Push Core, 30"	4-6.5': light brown silt as above. 6.5-8': brown silty fine sand, p. sorted.	6 = 0.8 8 = 0.3	Easy, quick penetration
10		8-12'	Push Core, 28"	8-11.5': brown fine sand, w. sorted, iron staining, roots. 11.5-12': brown med. sand, p. sorted, iron staining, damp.	10' = 5.8 12 = 4.8	Easy, quick penetration
15		12-16'	Push Core, 29"	12-13': brown med. sand as above. 13-14': brown fine sand, p. sorted, damp. 14-16': brown sandy clay, damp. c. sand lens (<1/2" thick) at 15.5'.	14 = 1.8 16' = 2.5	Easy, quick penetration
		16-20'	Push Core, 32"	16-16.5': brown sandy clay as above. 16.5-19.5: brown clay, saturated. 19.5-20': grayish brown clay, saturated.	18' = 3.8 20 = 1.6	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Bo	orehole #: E	3-17	
	Well #:		
	Page:	1	of 1
Project Number:			
Project Name: La	rgo Compre	essor Stati	on
Project Location: La	rgo Canyor	1	

 Borehole Location:
 36° 29.220' N, 107° 33.453' W

 GWL Depth:
 17

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
- °		0-4'	Push Core, 27"	0-4': light brown, compacted, hard silt, damp.	2' = 1.3 4 = 0.8	Easy, quick penetration
5		4-8'	Push Core, 29.5"	4-7': light brown silt as above. 7-7.5': brown med sand, w. sorted, dry, loose. 7.5-8': brown fine sand, w. sorted, dry, loose.	6 = 0.5 8 = 0.6	Easy, quick penetration
10		8-12'	Push Core, 29"	8-8.75': light brown sandy silt, hard, dry. 8.75-12': brown fine sand, w. sorted, dry, loose.	10' = 0.8 12 = 2.2	Easy, quick penetration
15		12-16'	Push Core, 30"	12-13.5': brown fine sand as above. 13.5-15.5': brown sandy clay, damp. 15.5-16': brown clay, wet.	14 = 3.7 16' = 5.2	Easy, quick penetration
		16-20'	Push Core, 32"	16-16.5': brown clay, wet. 16.5-17': black sandy clay, HC odor. 17-17.5': black med. sand, p. sorted, saturated, HC odor. 17.5-19': grayish brown clay, saturated, roots. 19-20': brown med sand, p. sorted, saturated.	17.5' = 8.5 18' = 6.3 20 = 12.1	Easy, quick penetration

Comments:

LodeStar Services P D 97

oucour oervices
.O. Box 4465
urango, CO 81302
70-946-1093

Borehole Location:	36° 29.226' N, 107° 33	.446' W
GWL Depth:	16.5	
Drilled By:	EarthWorx	
Well Logged By:	ALA	
Date Started:	4/2/2008	
Date Completed:	4/2/2008	

Borehole #: B-18 Well #: P-5 1 of 1

Page:

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 27"	0-3.5': light brown, compacted, hard silt, damp. 3.5-4': brown fine sand, w. sorted, dry, loose.	2' = 3.6 4 = 1.5	Easy, quick penetration
5 		4-8'		4-4.5': brown fine sand as above. 4.5-8': light brown compacted hard silt, damp.	6 = 1.6 8 = 1.1	Easy, quick penetration
10		8-12'		8-9': light brown hard silt as above. 9-12': fine to med. sand, mod. sorted, light brown, dry.	10' = 1.7 12 = 0.7	Easy, quick penetration
15		12-16'	Push Core, 30''	12-13.5': light brown med. sand as above. 13.5-15.75': brown sandy clay, roots. 15.75-16': brown med. sand, p. sorted, iron staining, damp.	14 = 1.2 16' = 5.4	Easy, quick penetration
		16-20'	Push Core, 32"	16-16.5': brown med sand as above, wet. 16.5-17.5': brown c. sand, p. sorted, saturated. 17.5-18': grayish brown clay. 18-20': brown c. sand, p. sorted, saturated.	17.5' = 1.4 18' = 1.1 20 = 2.2	Easy, quick penetration

Comments:

Geologist Signature: Ashley Ager

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LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:			
	Page:	1	of 1	
Project Number:	<u> </u>			
Project Name:	_argo Compr	essor Static	on	
Project Location: I	_argo Canyor	1		

Borehole #: B-19

 Borehole Location:
 36° 29.228' N, 107° 33.470' W

 GWL Depth:
 16.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
□ 0 □ 0 □ 0		0-4'	Push Core, 27"	0-4': light brown, compacted, hard silt, damp.	2' = 0.3 4 = 0.3	Easy, quick penetration
5 		4-8'	Push Core, 29.5"	4-6': light brown silt as above. 6-7': brown, fine sand, w. sorted, loose, dry. 7-8': brown, med. sand, w. sorted, loose, dry.	6 = 1.5 8 = 2.1	Easy, quick penetration
10		8-12'	Push Core, 29"	8-12': light brown silt grading to c. sand, w. sorted, increasing grain size with depth.	10' = 0.9 12 = 0.7	Easy, quick penetration
15		12-16'	Push Core, 30"	12-14.5': interbedded c. and med. sands, p. sorted, damp. 14.5-16': brown clay, wet at 15'.	14 = 0.6 16' = 1.5	Easy, quick penetration
 20		16-20'	Push Core, 32"	16-16.5': brown clay as above. 16.5-17': dark brown c. sand, p. sorted, saturated. 17-19': brownish gray clay, saturated. 19-20': brown c. sand, p. sorted, saturated with roots.	17.5' = 2.8 20 = 64.4	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	
Well #:	MW-6
Page:	1 of 2
Project Number:	
Project Name: Largo Com	
Project Location: Largo Cany	'on

Borehole Location: 3 GWL Depth: Drilled By: 4 Well Logged By: 4 Date Started: 2 Date Completed: 4

ר:	36° 29.222' N, 107° 33.468'
	16.5
	Kyvek
	ALA
	8/3/2009
	8/3/2009

W

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
• •						
5	1	5-7'		0-2": 10YR 6/3, SM, pale brown sandy silt, damp 2-10.5": 10YR 6/3, SM, pale brown sandy silt, more fine content, dry 10.5-22": 10YR 7/3, SM, very pale brown, poorly sorted sand, fine, sub-rounded, dry.	0	46 blows
10 10	2	10-12'	ss, 22"	0-6": 10YR 7/3 very pale brown, SM, silty clay 6-22": SM, well sorted fine sand, sub-rounded, dry	0	
15	3	15-17'	ss, 28''	0-12": 10YR 5/3 brown CL clay, gypsum crystals, damp 14-28": saturated brown clay, sandier 26: grayer color, no HC odor	12.4	
<u> </u>						

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:	MW-6		
	Page:		2 of 2	
Project Number:				
Project Name:	Largo Com	pressor S	Station	
Project Location:	Largo Cany	on		

Borehole #: B-21

 Borehole Location:
 36° 29.222' N, 107° 33.468' W

 GWL Depth:
 16.5

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/3/2009

 Date Completed:
 8/3/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20 20 25 25 30 30 31 35 40	4	20-22'	ss, 15"	0-6": 10YR 5/4, dark yellowish brown CL clay, low to med. Plasticity, gypsum crystals 6-15": 10 YR 5/3 brown sand, SP, coarse, fining upward	3.2	5 blows

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #: Well #:	B-22	
Project Number:	Page:	1 of 2	2
Project Name:	Largo Com	pressor Station	
Project Location:			

Borehole Location: 3 GWL Depth: Drilled By: 4 Well Logged By: 7 Date Started: Date Completed:

n:	<u>36° 29.215' N, 107° 33.454' W</u>
	16.25
	Kyvek
	ALA
	8/3/2009
	8/3/2009

Drilling Method: <u>Hollow Stem Auger</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
o						
5	1	5-7'	ss, 20''	10 YR 6/4 light yellow brown, SM, P. sorted silty sand, FUS, dry	0.7	17 Blows
10	2	10-12'	ss, 20''	0-14.5": 10YR 6/4,light yellow brown, SM, P. sorted silty sand fine sand component FUS to c. sand, dry 14.5" CL 10 YR 5/4 yellowish brown clay low-med- plasticity	0	9 Blows
15 15	3	15-17'	ss, 26.5"	10 YR 4/2 dark grayish brown 0-3": Silty sand CL 3-14": grading to clay, high plasticity 14"-24": CL. Black, discolored clay, HC odor; 17" esturated 24": SW med sand, w. sorted, sub-rounded	2543	7 Blows

Comments:

LodeStar Services
P.O. Box 4465
Durango, CO 81302
970-946-1093

	Borehole #:	B-22	_
	Well #:		
	Page:	2 of 2	
Project Number:			
Project Name:	Largo Com	pressor Station	
Project Location:	Largo Cany	/on	

Borehole Location: GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

n :	36° 29.215' N, 107° 33.454' W
	16.25
	Kyvek
	ALA
	8/3/2009
	8/3/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20 	4	20-22'	ss, 21.5"	0-21.5": CH very dark brown silty clay, med plasticity, saturated, small disc. at 3" 16": CL, true clay	1.9	7 Blows

Comments:

Lab samples at 15' and 20'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-23			
Well #:				
Page:	1 0	f 2		
Largo Compressor Station				
Largo Cany	on			
	Well #: Page: Largo Com	Page: 1 o		

 Borehole Location:
 36° 29.220' N, 107° 33.460' W

 GWL Depth:
 20'

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/3/2009

 Date Completed:
 8/3/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
o						
5	1	5-7'	ss, 21.5"	0-18": 10 YR 6/3 pale brown SM, sandy silt, dry 18"-21.5": silty SM sand, p.sorted med sand	1.3	24 Blows
 10	2	10-12'	ss, 18"	10 YR 6/3 pale brown SM silty sand, p. sorted med, as above	0	17 Blows
	3	15-17'	ss, 24.5"	FUS, some c. sand in bottom 10 YR 5/3 brown 0-5": CL silty clay, damp	1973	10 Blows
15 	0			5-15": CL clay, med. plasticity 15": CL silty clay, damp 20": black, medc. sand, strong HC odor, well sorted		

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-23		
	Well #:			
	Page:		2 of 2	
Project Number:				
Project Name:	Largo Com	pressor	Station	
Project Location:	Largo Cany	on		

 Borehole Location:
 36° 29.220' N, 107° 33.460' W

 GWL Depth:
 20'

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/3/2009

 Date Completed:
 8/3/2009

Drilling Method: Hollow Stem Auger_____ Air Monitoring Method: PID, LEL_____

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20 20 25 30 30 31 40	4	20-22'	ss, 25"	0-23": Black saturated med. sand 23-25": brown med. Sand, saturated	21-19.5 22	7 Blows

Comments:

Lab samples at 15' and 20'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-24		
	Well #:	MW-7		
	Page:		1 of 2	
Project Number:				

Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0						
	1	5-7'	ss, 24"	10 YR 6/3 pale brown SM, sandy silt, FUS med. Silty sand at bottom, p. sorted	0	17 Blows
 10	2	10-12'	ss, 0		0	10 Blows
				No Recovery	1736	Shelby tube 12 Blows
15 	3	15-17'	shelby	10 YR 5/3 CL brown clay and sandy silt. Some gray discoloration little to no odor	1736	
20						

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-24		
	Well #:	MW-7		
	Page:		2 of 2	_
Project Number:	_			
Project Name:	Largo Com	pressor	Station	
Project Location:	Largo Cany	on		

 Borehole Location:
 36° 29.222' N, 107° 33.468' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/3/2009

 Date Completed:
 8/3/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20	4	20-22'		0-20": Black saturated fine sand SM 20-25": brown clay CL	21= 16.8 22=19	1 Blows

Comments:

Shelby tube sample @ 15-17' for sieve analysis Split Spoon at 20'; 20-21.5' for sieve analysis

Geologist Signature: Ashley Ager

22' for BTEX analysis and field screening; set well @ 25'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-25
Well #:	MW-8
Page	1 of 2
Project Number:	
Project Name: Largo Com	pressor Station

Project Location: Largo Canyon

Borehole Location GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

1:	36º 29.231'	N,	107°	<u>33</u>	508	' W
	20			_		
	Kyvek					
	ALA			_		
	8/4/2009			_		
	8/4/2009					

Drilling Method: <u>Hollow Stem Auger</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0						
5	1	5-7'	ss, 21.5"	10 YR 6/3 pale brown SM, silty sand, FUS well sorted, dry	9.1	19 Blows
10	2	10-12'	ss, 15"	10 YR 6/3 pale brown med. Sand SP, dry, sub- rounded, some coarse content ~3%	3.3	16 Blows
15	3	15-17'	ss, 23'	0-8" 10YR 4/3 brown clayey silt ML 8": 10 YR 4/3 brown sitly sand, fine, p. sorted, damp	1.9	8 Blows

Comments:

1 sample at 20'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-25		
	Well #:	MW-8		
	Page:		2 of 2	
Project Number:			_	
Project Name:	Largo Com	oressor	Station	
Project Location:	Largo Cany	on		

 Borehole Location:
 36° 29.231' N, 107° 33.508' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/4/2009

 Date Completed:
 8/4/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20 20 25 25 30 30 30 40	4	20-22'	ss, 3"	10 YR 5/3 brown silty sand, med. Grain sand, med. sorted, saturated	22.7	6 Blows

Comments:

Shelby tube sample @ 15-17' for sieve analysis

Split Spoon at 20'; 20-21.5' for sieve analysis 22' for BTEX analysis and field screening; set well @ 25'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-26
Well #:	
Page:	1 of 2
Project Number:	
Project Name: Largo Com	pressor Station
Project Location: Largo Cany	/on

 Borehole Location:
 36° 29.222' N, 107° 33.468' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/4/2009

 Date Completed:
 8/4/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0						
5	1	5-7'	ss, 11"	10 YR 6/3 Pale brown silty sand, SM, v.f. sand grains, dry	0	10 blows
10	2	10-12'	ss, 17.5"	10 YR 6/3 Pale brown p. sorted silty sand SM, med. Sand grains, sub-rounded, dry, damp at 10"	0	19 blows
15	3	15-17'	ss, 19.5"	1"-4" 10 YR 6/3 Pale brown silty sand, med grained p. sorted, damp 4"-11" 10 YR 4/2 clay, med plasticity dark grayish brown 11"-17" 10 YR 4/2 silty sand, med grained p.	7.8	13 blows

Comments:

1 sample @ 20'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

_
_

 Borehole Location:
 36° 29.222' N, 107° 33.468' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/4/2009

 Date Completed:
 8/4/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20	4	20-22'	ss, 13"	10 YR 4/3 brown SM, silty sand, fine grains, saturated	5.2	1 blow
25	5	25-27	ss, 14"	10 YR 4/3 brown sandy clay, CL saturated	0.3	1 blow
30	6	30-32		10 YR 4/3 brown Coarse to med grained sand, mod. Sorted SP, sub-rounded, saturated	Ο	1 blow
35						
40						

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-27		
	Well #:	MW-9		
	Page:		1 of 2	
Project Number:				
Project Name:	Largo Com	pressor S	Station	
Project Location:	Largo Cany	on		

Borehole Location GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

n:	<u>36° 29.222' N, 107° 33.468' W</u>
	21.84
	Kyvek
	ALA
	8/4/2009
	8/4/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0 						
5 5	1	5-7'	ss, 14"	10 YR 7/3 very pale brown silt, SM, 3% fine sand, dry, compacted at 11"	1.2	15 blows
10	2	10-12'	ss, 12.5"	10 YR 5/3 brown silty clay ML, compacted dry	1.6	20 blows
15 15 	3	15-17'	ss, 13.5"	0"-9.5" 10 YR 6/4 light yellowish brown V.C. sand, SP, sub-angular to sub-rounded 3% gravel 9.5"-13.5" 10 YR 4/2 CH, clay, high plasticity dark grayish brown	0	17 blows

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole	e #: B-27
We	II #: MW-9
Pa	age: 2 of 2
Project Number:	
Project Name: Largo C	Compressor Station
Project Location: Largo C	anyon

Borehole Location GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

1 :	3 <u>6° 29.222' N, 10</u> 7° 33.468' W
	21.84
	Kyvek
	ALA
	8/3/2009
	8/3/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20	4	20'-22'	ss, 17"	0"-0.5" 10YR 5/2 grayish brown sandy clay 0.5"-4" 10 YR 5/2 grayish brown, CH fat clay high plasticity 4"-17" 10 YR 5/3 brown saturated, medc. sand minor fat clay SP sub-rounded	0	16 blows
25	5	25'-27'	ss, 22"	0"-22" 10YR 5/3 brown SC saturateed med. Sand W/ minor clay content sub-rounded	0	4 blows
30 	6	30'-32'	33, 10.0	0"-3" 10 YR 5/3 brown SC sandy clay, saturated, cohesieve, med. Sand 3"-8" fat clay CH 8"-32" brown SC sandy clay, med sand content	0	10 blows
	7	35'-37'		0"-22" 10 YR 5/2 grayish brown, sandy clay, SC, fine sand wet with 10 YR 4/1 gray intervals no HC odor		10 blows
40	8	40'-42'	ss, 23.5"	brown sandy clay, SC		6 blows

Comments:

Drilled deeper to try and charecterize clay beneath water table. Filled hole to 30' and set well Sampled at 20' for TPH, at 35'-40' for clay analysis

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-28	
Well #:		
Page:		1 of 2

Project Number: Project Name: Largo Compressor Station Project Location: Largo Canyon

 Borehole Location:
 36° 29.195' N, 107° 33.460' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 DMH

 Date Started:
 8/7/2009

 Date Completed:
 8/7/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
°						
5	1	5-7'	ss, 11"	10 YR 6/4 light yellowish brown, well sorted silt, dry	1.4	10 Blows
 10	2	10-12'	ss, 20"	10 YR 6/4 light yellowish brown, med. Sorted silty sand, damp	0	15 Blows
 15	3	15-17'	ss, 17'	10 YR 5/4 yellowish brown, poory sorted, med coarse sand, minor fines, damp	0	14 Blows
		20-22'		SC sandy clay 10 YR 4/4 Dark yellowish	0	16 Blows
20				brown, saturated		

Comments:

Sampled Shelby Tube @ 20'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-25	
	Well #:		
	Page:	2 0	f 2
Project Number:			
Project Name:	Largo Comp	ressor Static	n
Project Location:	Largo Canyo	on	

Borehole Location GWL Depth: Drilled By: Well Logged By: Date Started: Date Completed:

1:	36° 29.231' N, 107° 33.508' W
	20
	Kyvek
	ALA
	8/4/2009
	8/4/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoríng (ppm)	Drilling Conditions
	4	20-22'	ss, 3"	10 YR 5/3 brown silty sand, med. Grain sand, med. sorted, saturated	22.7	6 Blows

Comments:

Shelby tube sample @ 15-17' for sieve analysis

Split Spoon at 20'; 20-21.5' for sieve analysis 22' for BTEX analysis and field screening; set well @ 25'

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:		
	Page:	1 of 2	
Project Number:			
Project Name:	Largo Compre	essor Station	
Project Location:	Largo Canyor	ו	

Borehole #: B-29

 Borehole Location:
 36° 29.207' N, 107° 33.481' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/7/2009

 Date Completed:
 8/7/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
o						
5 5	1	5'-7'	ss, 22"	10 YR 6/4 light yellowish brown, silty sand SM fine sand grains FUS	0	16 blows
10	2	10'-12'	ss, 17"	0"-9.5" silty sand, SM, poorly sorted med-fine grained sand , damp 9.5"-17" 10 YR 4/3 brown sandy clay, CL, med plasticity coarse sand to small cobbles	0	13 blows
15	3	15'-17'	ss, 25"	10 YR 4/4, CL, sandy silty clay fine sand silt with minor clay saturated minor iron oxide	0	7 blows
	4	18-20'	ss,16"	10 YR 4/4 CL, sandy clay, fine sand and silt, HC odor, black discoloration	1569	3 blows

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-29
Well #:	
Page:	2 of 2
Project Number:	_
Project Name: Largo Com	pressor Station
Project Location: Largo Cany	on

 Borehole Location:
 36° 29.207' N, 107° 33.481' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 DMH

 Date Started:
 8/7/2009

 Date Completed:
 8/7/2009

Drilling Method: Hollow Stem Auger_____ Air Monitoring Method: PID, LEL_____

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20 20 25 30 30 35 40	5	20'-22'	ss, 23"	10 YR 4/4 sandy clay grading to fat clay with depth minor iron oxide, minor reduced clay, saturated	0	5 blows

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-30		
Well #:			
Page:		1 of 2	
-			
Largo Com	presso	r Station	
Largo Cany	ron		
	Well #: Page: Largo Com	Page:	Well #: Page:1 of 2 Largo Compressor Station

 Borehole Location:
 36° 29.206' N, 107° 33.484' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/7/2009

 Date Completed:
 8/7/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
°						
5	1	5-7'	ss,17.5"	10 YR, 6/4, light yellowish brown, SM to SC silty sand, poorly sorted, med sand grains, minor clay, damp	0	10 blows
10	2	10-12'	ss, 16"	10 YR 6/4, light yellowish brown, silty sand poorly sorted, fine sand grains, FUS, Damp, SM	0	14 blows
15 15	3	15-17'	ss, 22"	0"-5" 10 YR 5/4 yellowish brown, SM, silty sand 5"-22" Sandy clay med sand grains low plasticity clay damp, minor black streaks no HC odor	0	11 blows

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

В	orehole #:	B-30		
	Well #:			
	Page:		2 of 2	
Project Number:				
Project Name: L	argo Com	presso	r Station	
Project Location: L	argo Cany	on		

 Borehole Location:
 36° 29.206' N, 107° 33.484' W

 GWL Depth:
 20

 Drilled By:
 Kyvek

 Well Logged By:
 ALA

 Date Started:
 8/7/2009

 Date Completed:
 8/7/2009

Drilling Method: Hollow Stem Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
20	4	20-22'	ss, 5"	10 YR 4/3 brown, sandy clay, poorly sorted med/fine sand, med plasticity clay, saturated		5 blows
25						
30						
35						
40						

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	Hand Auger 1
	Well #:	
	Page:	1 of 1
Project Number:		
Project Name:	Largo Com	pressor Station
Project Location:	Largo Cany	/on

 Borehole Location:
 36° 29.219' N, 107° 33.473' W

 GWL Depth:
 17

 Drilled By:
 DMH

 Well Logged By:
 DMH

 Date Started:
 8/4/2009

 Date Completed:
 8/4/2009

Drilling Method: <u>Hand Auger</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 				gravel and sandy clay		
5	1	5'		black and brown fine sands, HC odor, p. sorted, dry	122	
10	2	10		coarse sand, well sorted, angular, damp, black, HC odor	1523	
15	3	15		black clay, wet, strong odor	98.5	
		17		groundwater		

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	Hand A	Auger 2	
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Com	oressor	Station	
Project Location:	Largo Cany	on		

 Borehole Location:
 36° 29.215' N, 107° 33.468' W

 GWL Depth:
 8

 Drilled By:
 DMH

 Well Logged By:
 DMH

 Date Started:
 8/4/2009

 Date Completed:
 8/4/2009

Drilling Method: Hand Auger Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		14"		gravel and sandy clay, black, strong odor	1826	
5	1	5'		black clay, strong odor, wet	1569	
		8'		araus duratar		
10 10 15 15						

Comments:

Well Completion Diagrams

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36° 29.200' N, 107° 33.443' W

03/31/08/; 1318

03/31/08; 1355

6384'

EarthWorx Louis Trujillo

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Well Location GWL Depth Installed By

Date/Time Started

Date/Time Completed

Borehole # B-1 <u>P-1</u> Well # Page 1 of 1

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
On-Site Geologist	Ashley Ager

On-Site Geologist	Ashiey Agei
Personnel On-Site	Brandon Powell, NMOCD
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	Don Fernald, EPCO

Item	Material	Depth		==	Top of Protective Casing	g <u>NA</u>
		(feet)		ור	Top of Riser	2.8'
Top of Protective Casing		NA				
Bottom of Protective Casing		NA	Preserver :	- Konger	Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	1.4	, A		
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		2.8'				
Bottom of Well Riser		-14.5'				
Top of Well Screen		-9.5'	∞	∞	Top of Seal	<u>0</u>
Bottom of Well Screen		-14.5'		000 000		
Top of Peltonite Seal	····	0				
Bottom of Peltonite Seal		-7'	\mathbf{x}	∞	Top of Gravel Pack	<u>-7'</u>
Top of Gravel Pack		-7'			Top of Screen	<u>-9.5'</u>
Bottom of Gravel Pack		-14.5'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA				
Top of Groundwater		-13.15'			Bottom of Screen	<u>-14.5</u>
Total Depth of Borehole		-14.5'	新闻 新闻 "我说的	97. 38. . 1 9	Bottom of Borehole	-14.5

Comments: ____well is a piezometer installed near tank pit within bermed area.

Geologist Signature _____<u>Ashley Ager</u>

36° 29.214' N, 107° 33.469' W

03/31/08/; 1452

6133'

-19.52

Date/Time Completed 03/31/08; 1515

EarthWorx Louis Trujillo

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Well Location

Date/Time Started

GWL Depth Installed By

Borehole #	B-2		
Well #	P-2		
Page 1	of	1	

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon

On-Site Geologist	Ashley Ager
Personnel On-Site	Brandon Powell, NMOCD
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	Don Fernald, EPCO

ltem	Material	Depth			Top of Protective Casin	αN
	widterial	(feet)		7		
Top of Protective Casing		NA			Top of Riser	<u>3.2</u>
Bottom of Protective Casing		NA	A Start		Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	10 a		-	
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		3.2'				
Bottom of Well Riser		-21'				
Top of Well Screen		-16'	∞	∞	Top of Seal	<u>0</u>
Bottom of Well Screen		-21'	\sim	∞ q		
Top of Peltonite Seal		0	\sim	∞⊲ ∞⊲		
Bottom of Peltonite Seal		-14'		\mathbf{x}	Top of Gravel Pack	-14
Top of Gravel Pack		-14'			Top of Screen	<u>-16</u>
Bottom of Gravel Pack	<u> </u>	-21'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA				
Top of Groundwater		-19.5'			Bottom of Screen	<u>-21</u>
Total Depth of Borehole		-21'	20 1 48 34 36 3 38 3	1.524	Bottom of Borehole	-21

Comments: ____well is a piezometer installed within bermed area.

Geologist Signature _____Ashley Ager____

36° 29.223' N, 107° 33.489' W

03/31/08/; 1602

6116'

EarthWorx Louis Trujillo

-18

Date/Time Completed 03/31/08; 1628

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Well Location GWL Depth

Date/Time Started

Installed By

Borehole	#	B- 3		
Well #		P-3		
Page 1		of	1	

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
On-Site Geologist	Ashley Ager
Personnel On-Site	
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	Don Fernald, EPCO

Item	Material	Depth		Top of Protective Casi	ng <u>NA</u>
		(feet)		Top of Riser	<u>3.0</u>
Top of Protective Casing		NA		-	
Bottom of Protective Casing		NA	the and	Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	in the second		
Bottom of Permanent Borehole Casing		NA			
Top of Concrete		NA			
Bottom of Concrete		NA			
Top of Grout		NA			
Bottom of Grout		NA			
Top of Well Riser		3.0'			
Bottom of Well Riser		-21'			
Top of Well Screen		-16'		Top of Seal	<u>0</u>
Bottom of Well Screen		-21'			
Top of Peltonite Seal		0			
Bottom of Peltonite Seal		-14'			<u>-14</u>
Top of Gravel Pack		-14'		Top of Screen	<u>-16</u>
Bottom of Gravel Pack		-21'			
Top of Natural Cave-In		NA			
Bottom of Natural Cave-In		NA			
Top of Groundwater		-18'		Bottom of Screen	<u>-21</u>
Total Depth of Borehole		-21'	and it Caller it.	Bottom of Borehole	-21

Comments: well is a piezometer installed within bermed area.

Geologist Signature _____ Ashley Ager

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Boreho	ole #	B-7		
Well #		P-4		
Page	1	of	1	

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
On-Site Geologist	Ashley Ager
Personnel On-Site	
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	

Elevation	36° 29.	228' N, 107° 33.467' W	
Well Location	6120'		
GWL Depth	-18		
Installed By	EarthWorx		
	Louis Trujillo		
Date/Time Started		04/01/08; 1209	
Date/Time Comp	eted _	04/01/08; 1235	

Depths in Reference to	Ground Surface					
Item	Material	Depth (feet)	F	7	Top of Protective Casin	g <u>NA</u>
Top of Protective Casing		NA			Top of Riser	<u>3.3'</u>
Bottom of Protective Casing		NA	Street.		Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	999 			
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		3.3'				
Bottom of Well Riser		-18.5'				
Top of Well Screen		-13.5'	∞	∞	Top of Seal	<u>0</u>
Bottom of Well Screen		-18.5'	\sim	000		
Top of Peltonite Seal		0				
Bottom of Peltonite Seal		-11.5'	\propto	∞	Top of Gravel Pack	<u>-11.5</u>
Top of Gravel Pack		-11.5'		-	Top of Screen	<u>-13.5</u>
Bottom of Gravel Pack		-18.5'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In	·	NA				
Top of Groundwater		-16.5'			Bottom of Screen	<u>-18.5</u>
Total Depth of Borehole		-18.5'	2.3 8 (1889)	# 2 - 94 780 2	Bottom of Borehole	<u>-18.5</u>

Comments:

Geologist Signature <u>Ashley Ager</u>

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Borehole #	B-18
Well #	P-5
Page 1	of 1

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
On-Site Geologist	Ashley Ager
Personnel On-Site	
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	

Elevation	36° 29.226' N, 107° 33.446' W		
Well Location	6122		
GWL Depth	-16.5		
Installed By	EarthWorx		
	Louis Trujillo		
Date/Time Started	04/02/08; 1345		
Date/Time Comple	eted 04/02/08; 1420		

Item	Material	Depth			Top of Protective Casin	ng NA
		(feet)		-1		•
Top of Protective Casing		NA			Top of Riser	<u>3.1'</u>
Bottom of Protective Casing		NA	an a		Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NĂ			_	
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		3.1'				
Bottom of Well Riser		-20'				
Top of Well Screen		-15'	∞	000	Top of Seal	<u>0</u>
Bottom of Well Screen	· · · · · · · · · · · · · · · · · · ·	-20'		∞		
Top of Peltonite Seal		0				
Bottom of Peltonite Seal		-13'	∞	∞	Top of Gravel Pack	<u>-13'</u>
Top of Gravel Pack		-13'	р 1. 		Top of Screen	<u>-15'</u>
Bottom of Gravel Pack		-20'	- 4 94 - 0 2			
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA	ļ. F			
Top of Groundwater		-16.5'	r L		Bottom of Screen	<u>-20'</u>
Total Depth of Borehole		-20'	<u> </u>	• 🔍 •	Bottom of Borehole	<u>-20'</u>

Comments:

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Borehole # B-21
 Well #
 MW-6

 Page 1
 of 1

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
	Ashley Ager
Personnel On-Site Contractors On-Site	
Client Personnel On-Site	

Elevation	6384'				
Well Location	36° 29.200' N, 107° 33.443' W				
GWL Depth					
Installed By	Kyvek Energy Services				
	Kelly	/ Padilla			
Date/Time Started		03/31/08/; 1318			
Date/Time Completed		03/31/08; 1355			

6384'

Depths in Reference to	Ground Surface		}			
Item	Material	Depth (feet)		=	Top of Protective Casing	<u>32"</u>
Top of Protective Casing		32"			Top of Riser	<u>28.5"</u>
Bottom of Protective Casing		4"	a di Alama Ang Ang Ang Mang Ang Ang	and the	Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	1700 1710	.		
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		4"				
Bottom of Concrete		-3'				
Top of Grout		-3'				
Bottom of Grout		-8'				
Top of Well Riser		2.5'				
Bottom of Well Riser		-12'				
Top of Well Screen		-12'		∞	Top of Seal	<u>-8'</u>
Bottom of Well Screen		-22'		000		
Top of Peltonite Seal		-8'				
Bottom of Peltonite Seal		-10'		∞	Top of Gravel Pack	<u>-10'</u>
Top of Gravel Pack		-10'			Top of Screen	<u>-12'</u>
Bottom of Gravel Pack		-22'				
Top of Natural Cave-In		NA		-		
Bottom of Natural Cave-In		NA				
Top of Groundwater		-17.5'			Bottom of Screen	<u>-22'</u>
Total Depth of Borehole		-22'	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	112 OF 10 & 20	Bottom of Borehole	<u>-22'</u>

Comments:

Geologist Signature _____ Ashley Ager _____

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

	Borehole # Well # Page <u>1</u>	B-24 MW-7 of 1
Project Name	Largo Compressor Stat	ion
Project Number	Cost Co	de
Project Location	Largo Canyon	
On-Site Geologist	Ashley Ager	
Personnel On-Site		
Contractors On-Site		

Client Personnel On-Site

Elevation	6384'					
Well Location	36° 29.200' N, 107° 33.443' W					
GWL Depth	19.5'					
Installed By	Kyvek					
	Kelly Padilla					
Date/Time Started	d 08/03/09; 1318					
Date/Time Compl	leted 08/03/09; 1355					

	······					
Depths in Reference to	Ground Surface					
Item	Material	Depth (feet)	F	=1	Top of Protective Casing	<u>3'</u>
Top of Protective Casing		3']	Top of Riser	<u>32"</u>
Bottom of Protective Casing		3"	6		Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA				
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		3"				
Bottom of Concrete		-3'				
Top of Grout		-3'				
Bottom of Grout		-8'				
Top of Well Riser		32"				
Bottom of Well Riser		-12'				
Top of Well Screen		-12'		∞	Top of Seal	<u>-8'</u>
Bottom of Well Screen		-22'		∞		
Top of Peltonite Seal		-8'				
Bottom of Peltonite Seal		-10'	$\overline{\infty}$	$\overline{\infty}$	Top of Gravel Pack	<u>-10'</u>
Top of Gravel Pack		-10'	17 12		Top of Screen	<u>-12'</u>
Bottom of Gravel Pack		-22'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA				
Top of Groundwater		-19.5'			Bottom of Screen	<u>-22'</u>
Total Depth of Borehole		-22'	× ·	4.21.5	Bottom of Borehole	<u>-22'</u>

Comments:

Geologist Signature <u>Ashley Ager</u>

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

	Borehole # Well # Page <u>1</u>	B-25 MW-8 of 1
Project Name	Largo Compressor Stat	ion
Project Number	Cost Co	de
Project Location	Largo Canyon	

On-Site Geologist Ashley Ager Personnel On-Site Contractors On-Site

Client Personnel On-Site

Elevation						
Well Location	36° 29.200' N, 107° 33.443' W					
GWL Depth	20.5					
Installed By	Kyvek					
	Kelly Padilla					
Date/Time Started	8/4/09; 12:25					
Date/Time Compl	leted 8/4/09:14:58					

Depths in Reference to	Ground Surface	. 18				
Item	Material	Depth (feet)			Top of Protective Casin	g <u>32"</u>
Top of Protective Casing		32"			Top of Riser	<u>28.5"</u>
Bottom of Protective Casing		4"	- 47 ³ 64 "	was in	Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA		# ** **		
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		4"				
Bottom of Concrete		-3'				
Top of Grout		-3'				
Bottom of Grout		-6'				
Top of Well Riser		29"				
Bottom of Well Riser	· <u> </u>	-15'				
Top of Well Screen		-15'		∞	Top of Seal	- <u>11</u>
Bottom of Well Screen		-25'				
Top of Peltonite Seal		-11'				
Bottom of Peltonite Seal		-13'		∞	Top of Gravel Pack	- <u>13'</u>
Top of Gravel Pack		-13'			Top of Screen	<u>-15</u>
Bottom of Gravel Pack		-25'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA				
Top of Groundwater	_	20.5			Bottom of Screen	<u>-24.8</u> '
Total Depth of Borehole		25'	a na a sing ai	erree 19 diget o	Bottom of Borehole	<u>-25'</u>

Comments: ____

Geologist Signature ______

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Borehole #	B-27
Well #	MW-9
Page <u>1</u>	of 1

Project Name	Largo Compressor Station		
Project Number	Cost Code		
Project Location	Largo Canyon		
On-Site Geologist	Ashley Ager		
Personnel On-Site			
Contractors On-Site			
Client Personnel On-Site			

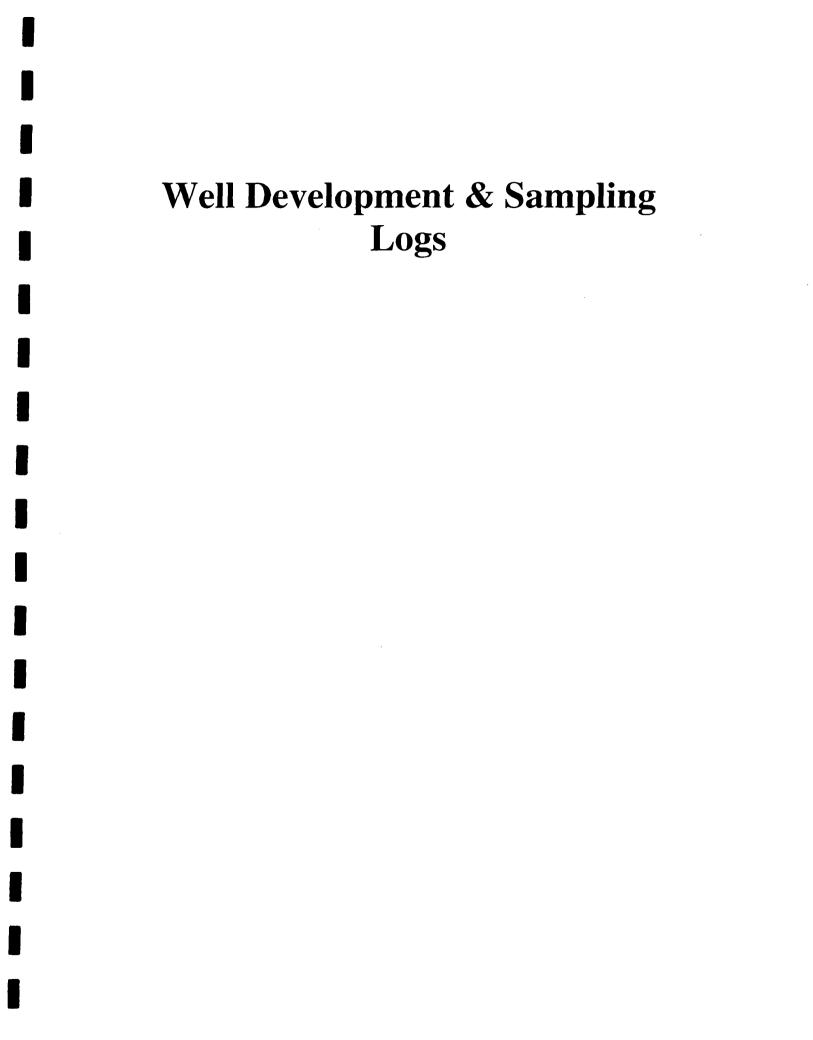
Well Location	36° 2	36° 29.200' N, 107° 33.443' W			
GWL Depth					
Installed By	Kyv	Kyvek			
	Kell	Kelly Padilla			
Date/Time Started		8/4/09; 14:16			
Date/Time Completed		8/4/09: 16:28			

Depths in Reference to	Ground Surface			<u> </u>	
Item	Material	Depth (feet)		Top of Protective Ca	asing <u>25"</u>
Top of Protective Casing		25"		Top of Riser	<u>22'</u>
Bottom of Protective Casing		22"		Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA	8/ 8/ 2/		
Bottom of Permanent Borehole Casing		NA			
Top of Concrete		4"			
Bottom of Concrete		-3'			
Top of Grout		-3'			
Bottom of Grout		-6'			
Top of Well Riser		22"			
Bottom of Well Riser		15'			
Top of Well Screen		15'		Top of Seal	11
Bottom of Well Screen		25'	001 000		
Top of Peltonite Seal		11'	000 000	4 (
Bottom of Peltonite Seal		13'	∞	Top of Gravel Pack	<u>13'</u>
Top of Gravel Pack		13'		Top of Screen	<u>15'</u>
Bottom of Gravel Pack		25'			
Top of Fill-In		25			
Bottom of Fill-In		42			
Top of Groundwater		19.5'		Bottom of Screen	<u>25'</u>
Total Depth of Borehole		42'	NE TO BE AN INVESTIGATION	Bottom of Borehole	<u>42'</u>

Comments: ____Drilled to 42' to try to characterize clay. Backfilled to 25' to set well.

Geologist Signature <u>Achley Ager</u>

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2. ---- ---

WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client: Project Manager:	Enterprise		Sam	Location: Date: pler's Name:	8/10/2009		Well No: Time:	MW-1 17:07
Measuring Point: Well Diameter:		7		16.36 16.9 0.54	ft	Depth Product	to Product: Thickness:	<u> </u>
Sampling Method: Criteria:	Bottom Va] Centrifugal Pu] Double Check Water Remova	Valve Bailer	staltic Pump ation of Indica	Other		bail dry
		T		Vater Volume				
Gal/ft x ft of w 2.4 x 1.6	ater		lons 4 x 3	Oun 1.152				to be removed
2.4 X 1.0		L 0.50		L	A 120	<u> </u>	14	<u> </u>
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
17:07						<u> </u>	8	Product - only enough for 2 samples
Final:								
COMMENTS:				_				
Instrumentation: Water Disposal:		🔲 DO Monit	or 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	Other Other	r
Sample ID:			- - S	ample Time:				
Analysis Requested:	☑ BTEX ☐ Other		Alkalinity	TDS	Cations [Anions	Nitrate	Nitrite Metals
Trip Blank:	100820	09DH01				Duplica	te Sample:	NA

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WELL	DEVEL	OPMENT	AND	SAMP	LING	LOG
AATTE		OI IVILIVI	7.140	2711111	20140	200

Project Name: Client: Project Manager:	Enterprise		Sam	Location: Date: pler's Name:	8/10/2009		Well No: Time:	MW-2 16:49
Measuring Point: Well Diameter:			n to Water: otal Depth: mn Height:	23.86	ft	Depth Product	to Product: Thickness:	ft ft
	Bottom Va		Centrifugal Pu Double Check Water Remova	Valve Bailer	staltic Pump ation of Indica	Other		bail dry
			V	Vater Volume	e in Well			
	Gal/ft x ft of water Gal			Oun				to be removed
2.4 x 1.6 0.384			4 x 3	1.152 :	x 128		14	7.456 oz
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
16:49	7.25	18.54	20.9				8	Black Very strong HC Odor sheen
								Sheen
Final:								na kultura Gradina Marina na sana
COMMENTS:	Only enoug	gh water for	a grab sam	ple			<u>.</u>	
Instrumentation: Water Disposal:		DO Monito	or 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	- 🗹 Other	
Sample ID:			. s	ample Time:				
Analysis Requested:	BTEX Other		Alkalinity	TDS	Cations [Anions [Nitrate 🗌 I	Nitrite Detals
Trip Blank:	100820	09DH01				Duplica	ate Sample:	NA

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WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client: Project Manager:	Enterprise		Sam	Location: Date: pler's Name:	8/10/2009		Well No: Time:	
Measuring Point: Well Diameter:			h to Water: otal Depth: Imn Height:	21.41	ft	Depth Product	to Product: Thickness:	ft ft
	Bottom Va		Centrifugal Pu Double Check Water Remova	Valve Bailer	istaltic Pump ation of Indica	Other		bail dry
Callft with of w				Water Volume		Г		to be serviced
Gal/ft x ft of w		Gal	lons	Oun	ces	╂────	volume	to be removedoz
		L				<u> </u>		
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
14:20	7.50	27.10	22.5				8	Dark Gray HC Odor
14:31	7.58	25.80	22.8			L	14	Dark Gray HC Odor Bailed Dry
Final:								
		1. 2. A. S. S. S.	the second second		الم الم العلم التي الم	A. PART		
COMMENTS:								·····
Instrumentation:	🗹 pH Meter	DO Monite	or 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	🗹 Other	·
Water Disposal:	On Site							
Sample ID:			. 9	Sample Time:		-		
Analysis Requested:	☑ BTEX ☑ Other		Alkalinity	TDS	Cations [Anions	Nitrate	litrite 🗌 Metals
Trip Blank:	100820	09DH01				Duplica	ite Sample:	NA

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WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client:	Largo Com Enterprise	p Stn		Location: Date:	LCS 8/10/2009		Well No: Time:	MW-4
Project Manager:		r	Sam	pler's Name:				
Measuring Point: Well Diameter:		Т		<u>21</u> 21.76 0.76	ft	Depth Product	to Product: Thickness:	ft ft
Sampling Method: Criteria:	Bottom Va	_	Centrifugal Pu Double Check Water Remova	Valve Bailer	staltic Pump ation of Indica	Other		bail dry
	<u></u>		v	Vater Volume	e in Well			
Gal/ft x ft of w	vater	Gall	lons	Oun	ces		Volume	to be removed
								02
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
15:58								only enough for grab sample
							_	<u> </u>
						<u> </u>		
							L	
Final:								
COMMENTS:								
Instrumentation:	☑ pH Meter	DO Monito	or 🗹 Con	ductivity Meter	⊡ Tem	perature Meter	- 🗹 Other	
Water Disposal:	On Site							
Sample ID:			. S	ample Time:				
Analysis Requested:	D BTEX		Alkalinity	TDS	Cations [Anions	Nitrate 🗆 N	Nitrite 🗍 Metals
Trip Blank:	100820	09DH01				Duplica	ite Sample:	NA

WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client: Project Manager:	Enterprise		Sam	Location: Date: pler's Name:	8/10/2009		Well No: Time:	MW-5 16:09
Measuring Point: Well Diameter:		, T	n to Water: otal Depth: mn Height:	20.81 22.39 1.58	ft	Depth Product	to Product: Thickness:	ft ft
Sampling Method: Criteria:	Bottom Va			Valve Bailer		Other		bail dry
Gal/ft x ft of w	Gal/ft x ft of water Gallo				e in Well ces		Volume	to be removed
								OZ
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
16:09	7.89	19.66	221				4	only enough for grab sample
Final:					ŝ			
COMMENTS:								•
Instrumentation:	·	DO Monito	or 🗹 Con	ductivity Meter	⊡ Tem	perature Meter	r 🗹 Othe	r
Water Disposal:								
Sample ID:	<u> </u>		. S	ample Time:		-		
Analysis Requested:	☑ BTEX □ Other		Alkalinity	TDS	Cations	Anions	Nitrate	Nitrite 🗌 Metals
Trip Blank:	100820	09DH01				Duplica	ate Sample:	NA

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						<u> </u>	·	
Project Name:	Largo Com	p Stn		Location:	LCS		Well No:	MW-6
Client:	Enterprise		Date: 8/10/2009				Time:	17:42
Project Manager:	Ashley Age	r	. Sam	pler's Name:	Devin Her	icmann		
L								
Measuring Point:				20.15		Depth	to Product:	
Well Diameter:	2"			27.73		Product	Thickness:	
		Water Colu	imn Height:	7.58	π			
Sampling Method:	Submersib	le Pump	Centrifugal Pu	Imp 🗌 Peri	- staltic Pump	Other		
	Bottom Va		Double Check		·			
Criteria	2 to 5 Cost	ng Volumes of	Mator Bomour	J I Ctobiliza	ation of India	ator Parameter	c 🔽 Other	bail dry
		ng volumes or					s 🖸 Ouler	build y
				Vater Volume	·····			
Gal/ft x ft of v		Gali		Ound		<u> </u>		to be removed
7.58 x 0.1	6	1.212	28 x 3	3.6384	x 128		46	55.72
Time		SC	Toma	ORP	D.O.	Turbidite		<u></u>
(military)	pH (su)	(us)	Temp (°C)	(millivolts)	0.0. (mg/L)	(NTU)	Vol Evac.	Comments/Flow Rate
17:15	7.50	11.11	16.9	((8/ -)	(0Z	Light Brown Silty
17:15							32	
	7.50	11.87	15.8	ļ			36	Light Brown Silty
<u> </u>	7.50	11.60	15.7			<u> </u>	36	Light Brown Silty
	7.50	11.65	15.3	-			36	Light Brown Silty
	7.52	11.09	15.5			·	36	Light Brown Silty
	7.50	10.92	15.7				32	Light Brown Silty
	7.51	10.54	15.2				36	Light Brown Silty
	7.52	9.84	15.4 15.4				36	Light Brown Silty
<u> </u>	7.51	8.90 8.23	15.4				36	Light Brown Silty Light Brown Silty
· · · · · · · · · · · · · · · · · · ·	7.49	7.92	15.8				32	t
	7.51	8.09	15.6		<u> </u>		36	Starting to draw down
·····	7.51	8.00	15.7				40	· · · · · · · · · · · · · · · · · · ·
·····	7.56	8.05	15.7			<u> </u>	32	
	7.53	7.92	15.8				40	
Final: 17:42	7:53	8.06	15.7				32	Bailed Dry
	1. <u>8 mm (1. 1)</u>	<u> </u>	1 7	100 A. 10 A.	i se a constan A _{re} s			
COMMENTS:								
				• • • •				
Instrumentation:	🗹 pH Meter	DO Monito	or 🗹 Con	ductivity Meter	🗹 Terr	perature Meter	r 🗹 Other	r
Water Disposal:	On Site	<u></u>	-					
Sample ID:	MW-6		. S	ample Time:	17:42			
Analysis Requested:	BTEX Other		Alkalinity	TDS	Cations	Anions] Nitrate 🔲 I	Nitrite 🗌 Metals
Trip Blank:		09DH01				Duplica	ite Sample:	NA

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WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client: Project Manager:	Enterprise		- Sam		ation: LCS Date: 8/10/2009 Jame: Devin Hencmann			MW-7 15:28	-
ejece munuger.			-	, e. o marrier					-
L							_		
Measuring Point: Well Diameter:			h to Water: otal Depth:			Depth Product	to Product: Thickness:		_ft _ft
		Water Colu	ımn Height:	6.87	ft				-
Sampling Method:		le Pump	Centrifugal Pu	ump 🗌 Peri	staltic Pump	[] Other			
	Bottom Va] Double Check		Surface Fump				-
				Vulve Buller					
Criteria:	☑ 3 to 5 Casi	ing Volumes of	Water Remova	I 🗹 Stabiliza	ation of Indica	itor Parameter	s 🗌 Other		-
				Vater Volume	in Wall				
Gal/ft x ft of w	ater	Gal	lons	Oun		Г <u></u>	Volume	to be removed	
6.92 x .16) x 3	3.32 x		<u> </u>		425	oz
L		<u> </u>		L		L			
Time	рН	SC	Temp	ORP	D.O.	Turbidity	Vol Evac		
(military)	(su)	(us)	(°C)	(millivolts)	(mg/L)	(NTU)		Comments/Flow Rat	te
14:40	7.82	27.30	16.6		1	[oz 36	Cloudy Strong HC Oor	
14.40	7.78	27.30	16.3	,		<u> </u>	30	Dark Gray Strong HC Od	
├ ─────────	7.75	27.60	16.1			<u> </u>	36	Dark Gray Strong HC Od	
h	7.81	26.90	16.2			<u> </u>	36	Dark Gray Strong HC Od	
	7.74	27.50	16.0			t	36	Dark Gray Strong HC Od	
	7.81	27.10	15.8		·	<u>-</u>	36	Dark Gray Strong HC Od	
	7.76	27.60	15.7			<u> </u>	36	Dark Gray Strong HC Od	
	7.84	27.40	15.5			t	36	Dark Gray Strong HC Od	ог
	7.8	27.50	15.8				72	Browner/ more silt Strong HC	Odor
	7.84	27.00	15.7				72	Browner/ more silt Strong HC	Odor
	7.8	27.10	15.7		L	†	144	Browner/ more silt Strong HC	Odor
	7.88	26.90	15.9			<u> </u>	128	Browner/ more silt Strong HC	Odor
Final: 15.28	7.87	27.50	15.1				64	Browner/ more silt Strong HC	Odor
		an a	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	All Contraction and Contractio		a a 17			
						_		· · · · · · · · · · · · · · · · · · ·	
COMMENTS:									
L									
Instrumentation:	🗹 pH Meter	DO Monite	or 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	· 🗹 Othe	r	
									-
Water Disposal:	On Site		-						
Sample ID:			- ^S	ample Time:		-			
Analysia Darrest	-	_		_	—			D	
Analysis Requested:	☑ BTEX □ Other		Alkalinity	TDS	└ Cations [_] Anions	Nitrate	Nitrite Metals	_
Trip Blank:	100820	09DH01				Dunlica	ite Sample:	NA	
			-			Dupiica	ne sample.		-

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WELL DEVELOPMENT AND SAMPLING LOG

Project Name: Client: Project Manager: Measuring Point: Well Diameter: Sampling Method:	Enterprise Ashley Age TOC 2"	r Deptl T Water Colu le Pump [h to Water: otal Depth: mn Height: Centrifugal F	pler's Name: 23.08 28.22 5.14	8/10/2009 Devin Hen ft ft	cmann Depth 1 Product	Well No: Time: o Product: Thickness:	0:00
Criteria:	☑ 3 to 5 Casi	ing Volumes o	of Water Remo	val 🗹 Stabiliza	ation of Indica	ator Parameters	5 🗌 Other	
		r		Water Volum				
Gal/ft x ft of w	/ater	Ga	llons	Oun	ces		Volume	to be removed
	_	L						gal
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
13:25	7.01		15.8				34	Cloudy, Silty
	7.20		15.7				36	
	7.18		15.3				36	
	7.33		14.7				36	
	7.31		14.8				36	
	7.34		15.5				36 36	Very Silty, Cloudy
	7.37		15.4 15.6				36	
	7.39		15.4				36	
	7.41		14.6				144	
	7.42		14.9				144	
Final:13:55	7:48		14.7	n n harden an Ar Ar an Arabitan an Ar Ar an Ar an Ar Ar an Ar an Ar			128	
COMMENTS:		<u> </u>						
Instrumentation:	·	DO Mon	itor 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	• 🖸 Other	·
Water Disposal:	On Site		-					
Sample ID:			. S	ample Time:		-		
Analysis Requested:	BTEX Other	Vocs	Alkalinity		Cations	Anions [] Nitrate 🔲 I	Nitrite 🗋 Metals
Trip Blank:	100820	09DH01				Duplica	ite Sample:	NA

Lodestar Services, Incorporated PO Box 4465, Durango, CO 81302 Office (970) 946-1093

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WELL DEVELOPMENT AND SAMPLING LOG

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Project Name: Client: Project Manager:	Enterprise		Sam	Location: Date: pler's Name:	8/10/2009		Well No: Time:	MW-9 18:17
Measuring Point: Well Diameter:			h to Water: otal Depth: Imn Height:	32.37	ft		to Product: Thickness:	ft ft
Sampling Method: Criteria:	Bottom Va] Centrifugal Pu] Double Check Water Remova	Valve Bailer	staltic Pump ation of Indica	Other	5 🗌 Other	
			V	Vater Volume	e in Well			
Gal/ft x ft of w	vater	Gal	lons	Oun	ces		Volume	to be removed
10.53 x 0.1	.6	1.684	48 x 3	5.0544	x 128		6	46.9 oz
Time (military)	pH (su)	SC (us)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. oz	Comments/Flow Rate
17:52	7 5 1	7.00					36	Light Brown Silty
17:52	7.51	7.89 8.37	17.0 16.3				36	Light Brown Silty
						<u> </u>		Light Brown Silty
	7.44	8.42	16.0			<u> </u>	36	Light Brown Silty
	7.38	8.55	16.2				36	
	7.41	8.68	15.7				36	Light Brown Silty
	7.40	8.79	15.8				36	Light Brown Silty
	7.42	8.77	15.0			·	36	Light Brown Silty
	7.42	8.88	15.3				36	Light Brown Silty
	7.42	8.87	15.5			<u> </u>	36	Light Brown Silty
	7.47	9.14	15.8				144	Light Brown Silty
	7.44	9.13	15.5				144	Light Brown Silty
Fig. 1. 40.47	7.45	9.31	15.1		Part	1. A.A. 824	144	Light Brown Silty
Final: 18:17	7.43	9.17	15				70	Light Brown Silty
COMMENTS:			·	·····				
Instrumentation:	⊡ pH Meter	DO Monito	or 🗹 Con	ductivity Meter	🗹 Tem	perature Meter	✓ Other	r
Water Disposal:	On Site		-					
Sample ID:	MW-9		- S	ample Time:	18:17	-		
Analysis Requested:	BTEX Other		Alkalinity	□ TDS	Cations (Anions	Nitrate	Nitrite Metals
Trip Blank:	100820	09DH01				Duplica	ite Sample:	NA





COVER LETTER

Thursday, August 13, 2009

Ashley Ager Lodestar Services PO Box 4465 Durango, CO 81302

TEL: (970) 946-1093 FAX (970) 385-6794

RE: Largo Compressor Station

Dear Ashley Ager:

Order No.: 0908076

Hall Environmental Analysis Laboratory, Inc. received 10 sample(s) on 8/6/2009 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. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Business Manager Nancy McDuffie, Laboratory Manager

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



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109 505.345.3975 ■ Fax 505.345.4107 www.hallenvironmental.com

Date: 13-Aug-09

CLIENT:Lodestar ServicesProject:Largo Compressor StationLab Order:0908076

CASE NARRATIVE

"S" flags denote that the surrogate was not recoverable due to sample dilution or matrix interferences.

			• •			
CLIENT:	Lodestar Services	······································		Client Sample II	D: B-25 20'	
Lab Order:	0908076	·		Collection Dat	e: 8/4/2009	10:56:00 AM
Project:	Largo Compressor	• Station		Date Receive	d: 8/6/2009	
Lab ID:	0908076-01			Matri	x: SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range C	rganics (DRO)	ND	10	mg/Kg	1	8/9/2009
Motor Oil Range	e Organics (MRO)	ND	50	mg/Kg	1	8/9/2009
Surr: DNOP		80,4	61.7-135	%REC	1	8/9/2009
EPA'METHOD	8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range	o Organics (GRO)	ND	5.0	mg/Kg	1	8/11/2009 1:19:12 AM
Surr: BFB	-	85.1	58.8-123	%REC	1	8/11/2009 1:19:12 AM
	8021B: VOLATILES					Analyst: NSB
Methyl tert-butyl	ether (MTBE)	ND	0.10	mg/Kg	1	8/11/2009.1:19:12 AM
Benzene		ND	0.050	mg/Kg	1	8/11/2009 1:19:12 AM
Toluene		ND	0.050	mg/Kg	1	8/11/2009 1:19:12 AM
Ethylbenzene		ND	0.050	mg/Kg	1	8/11/2009 1:19:12 AM
Xylenes, Total		ND	0.10	mg/Kg	1	8/11/2009 1:19:12 AM
Surr: 4-Brome	ofluorobenzene	86.8	66.8-139	%REC	1	8/11/2009 1:19:12 AM

Date: 13-Aug-09

Qualifiers:

Value exceeds Maximum Contaminant Level

E Estimated value

*

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Page 1 of 10

CLIENT:	Lodestar Services			Client	Sample ID:	B-26 20'	
Lab Order:	0908076			Colle	ction Date:	8/4/2009	12:13:00 PM
Project:	Largo Compressor Sta	tion		Date	e Received:	8/6/2009	
Lab ID:	0908076-02				Matrix:	SOIL	
Analyses		Result	PQL	Qual L	Jnits	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range C	Organics (DRO)	ND	10	m	ng/Kg	1	8/9/2009
Motor Oll Range	e Organics (MRO)	ND	50	. m	ng/Kg	1	8/9/2009
Surr: DNOP		80.7	61.7-135	%	REC	1	8/9/2009
EPA METHOD	8015B: GASOLINE RANG	θE					Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0	m	ng/Kg	1	8/11/2009 1:49:33 AM
Surr: BFB		86.1	58.8-123	%	REC	1	8/11/2009 1:49:33 AM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Methyl tert-buty	l ether (MTBE)	ND	0.10	m	g/Kg	1	8/11/2009 1:49:33 AM
Benzene		ND	0.050	i m	g/Kg	1	8/11/2009 1:49:33 AM
Toluene		ND	0.050	. m	g/Kg	1	8/11/2009 1:49:33 AM
Ethylbenzene		ND	0.050	m	g/Kg	1	8/11/2009 1:49:33 AM
Xylenes, Total		ND	0.10	m	g/Kg	1	8/11/2009 1:49:33 AM
Surr: 4-Brom	ofluorobenzene	86.8	66.8-139	%	REC	1	8/11/2009 1:49:33 AM

Date: 13-Aug-09

Qualifiers:	*	Value exceeds Maximum Contaminant Level		В	Analyte detected in the associated Meth-	od Blank
	Ε	Estimated value		Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	,	MCL	Maximum Contaminant Level	
	ND	Not Detected at the Reporting Limit		RL	Reporting Limit	
	S	Spike recovery outside accepted recovery limits				Page 2 o

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Page 2 of 10

Hall Environmental Analysis Laboratory, Inc. Date: 13-Aug-09									
CLIENT:	Lodestar Services			Client	t Sample ID:	B-21 20'			
Lab Order:	Lab Order: 0908076			Coll	ection Date:	8/4/2009	12:17:00 PM		
Project: Largo Compressor Static		tion	·	Da	te Received:				
Lab ID:	0908076-03				Matrix:				
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD					Analyst: SCC				
Diesel Range Organics (DRO)		ND	10		mg/Kg	1	8/9/2009		
Motor Oil Range Organics (MRO)		ND	50	.	mg/Kg	1	8/9/2009		
Surr: DNOP		82.9	61.7-135		%REC	1	8/9/2009		
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSE		
Gasoline Range	Organics (GRO)	ND	5.0	. 1	mg/Kg	1	8/11/2009 2:19:58 AM		
Surr: BFB		90.5	58.8-123		%REC	1	8/11/2009 2:19:58 AM		
EPA METHOD	8021B: VOLATILES						Analyst: NSB		
Methyl tert-butyl	ether (MTBE)	ND	0.10		mg/Kg	1	8/11/2009 2:19:58 AM		
Benzene		ND	0.050	1	mg/Kg	1	8/11/2009 2:19:58 AM		
Toluene		ND	0.050	1	mg/Kg	1	8/11/2009 2:19:58 AM		
Ethylbenzene		ND	0.050	1	mg/Kg	1	8/11/2009 2:19:58 AM		
Xylenes, Total		ND	0.10	I	mg/Kg	1	8/11/2009 2:19:58 AM		
Surr: 4-Bromo	ofluorobenzene	93.7	66.8-139		%REC	1	8/11/2009 2:19:58 AM		

Qualifiers:

Value exceeds Maximum Contaminant Level

E Estimated value

*

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank

- Н Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL **Reporting Limit**

Page 3 of 10

	·					
CLIENT:	Lodestar Services			Client Sample I	D: B-22 15'	APP.,
Lab Order:	0908076		•	Collection Dat	te: 8/4/2009	1:15:00 PM
Project:	Largo Compressor S	tation		Date Receive	d: 8/6/2009	
Lab ID:	0908076-04	t		Matri	ix: SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range O	rganics (DRO)	. 16	10	mg/Kg	1	8/9/2009
Motor Oil Range	o Organics (MRO)	ND	50	mg/Kg	1	8/9/2009
Surr: DNOP		81.5	61.7-135	%REC	1	8/9/2009
EPA METHOD	80158: GASOLINE RAI	NGE				Analyst: NSE
Gasoline Rarige	Organics (GRO)	1200	250	mg/Kg	50	8/11/2009 2:50:14 AM
Surr: BFB	X	106	58.8-123	%REC	50	8/11/2009 2:50:14 AM
EPA METHOD 8	8021B: VOLATILES					Analyst: NSE
Methyl tert-butyl	ether (MTBE)	ND	5.0	mg/Kg	50	8/11/2009 2:50:14 AM
Benzene		10	2.5	mg/Kg	50	8/11/2009 2:50:14 AM
Toluene		25	2.5	mg/Kg	50	8/11/2009 2:50:14 AM
Ethylbenzene	3	5.8	2.5	mg/Kg	50	8/11/2009 2:50:14 AM
Xylenes, Total		62	5.0	mg/Kg	50	8/11/2009 2:50:14 AM
Surr: 4-Bromo	ofluorobenzene	99.7	66.8-139	%REC	50	8/11/2009 2:50:14 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
	Ε	Estimated value	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		Page 4 of

Date: 13-Aug-09

CLIENT: Lab Order:	Lodestar Services 0908076				et Sample ID: llection Date:		1.17.00 PM	
Project:	Largo Compressor Sta	Station			Date Received:		1.17.00114	
Lab ID:	0908076-05				Matrix:			
Analyses	t	Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD 8015B: DIESEL RANGE ORGANICS							Analyst: SCC	
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	8/10/2009	
Motor Oil Rang	e Organics (MRO)	ND	50		mg/Kg	1	8/10/2009	
Surr: DNOP		95.5	61.7-135		%REC	· 1	8/10/2009	
14. 1								
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB	
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	8/11/2009 3:20:46 AM	
Surr: BFB		95.1	58.8-123		%REC	1	8/11/2009 3:20:46 AM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Methyl tert-buty	l ether (MTBE)	ND	0.10	ν.	mg/Kg	1	8/11/2009 3:20:46 AM	
Benzene		ND	0.050		mg/Kg	1 -	8/11/2009 3:20:46 AM	
Toluene		ND	0.050		mg/Kg	1	8/11/2009 3:20:46 AM	
Ethylbenzene		ND	0.050	-	mg/Kg	1	8/11/2009 3:20:46 AM	
Xylenes, Total		ND	0.10		mg/Kg	1 `	8/11/2009 3:20:46 AM	
Surr: 4-Brom	ofluorobenzene	92.4	66.8-139		%REC	1	8/11/2009 3:20:46 AM	

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Hall Environmental	Analysis Laboratory, Inc.	
	Indigoto Laboratory, and	

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Date: 13-Aug-09

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
	E	Estimated value	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
•	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits	•	Page 5 of 1

6

CLIENT:	Lodestar Services			Clier	nt Sample ID:	B-27 20'	
Lab Order:	0908076			Co	1:57:00 PM		
Project:	Largo Compressor Sta	tion		D	ate Received:	8/6/2009	
Lab ID:	0908076-06				Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS							Analyst: SCC
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	8/10/2009
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	8/10/2009
Surr: DNOP		83.2	61.7-135		%REC	1	8/10/2009
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSE
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	8/11/2009 3:51:19 AM
Surr: BFB		94.8	58.8-123		%REC	· 1	8/11/2009 3:51:19 AM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Methyl tert-buty	l ether (MTBE)	ND	0.10		mg/Kg	1	8/11/2009 3:51:19 AM
Benzene		ND	0.050		mg/Kg	1	8/11/2009 3:51:19 AM
Toluene		ND	0.050		mg/Kg	1	8/11/2009 3:51:19 AM
Ethylbenzene		ND	0.050		mg/Kg	· 1	8/11/2009 3:51:19 AM
Xylenes, Total		ND	0.10		mg/Kg	1	8/11/2009 3:51:19 AM
Surr: 4-Brome	ofluorobenzene	97.4	66. 8-1 39	•	%REC	1	8/11/2009 3:51:19 AM

Hall Environmental Analysis Laboratory, J	Inc.

Date: 13-Aug-09

Qualifiers: * Value exceeds Maximum Contaminant Level В Е Estimated value Н J Analyte detected below quantitation limits MCL Maximum Contaminant Level Not Detected at the Reporting Limit ND RL Reporting Limit

- Spike recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded

Page 6 of 10

CLIENT:	Lodestar Services			Clien	t Sample ID:	B-23 20'	
Lab Order:	0908076			Col	lection Date:	8/4/2009	2:33:00 PM
Project:	Largo Compressor Stati	ion		Da	te Received:	8/6/2009	
Lab ID:	0908076-07				Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE O	RGANICS	· ·				Analyst: SCO
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	8/10/2009
Motor Oil Rang	e Organics (MRO)	ND	50		mg/Kg	1	8/10/2009
		85.0	61.7-135		%REC	1	8/10/2009
Surr: DNOP		05.0	01.7-130			•	0,10/2000
	8015B: GASOLINE RANG		61.7-135	•		•	Analyst: NSE

Cuconito rungo ciguines (errey	,	•.•		•	
Surr. BFB	86.5	58.8-123	%REC	1	8/12/2009 1:00:26 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10	mg/Kg	1	8/12/2009 1:00:26 PM
Benzene	0.28	0.050	mg/Kg	1	8/12/2009 1:00:26 PM
Toluene	ND	0.050	mg/Kg	1	8/12/2009 1:00:26 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/12/2009 1:00:26 PM
Xylenes, Total	ND	0.10	mg/Kg	1	8/12/2009 1:00:26 PM
Surr: 4-Bromofluorobenzene	88.0	66.8-139	%REC	1	8/12/2009 1:00:26 PM

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- $\mathbf{S} = \mathbf{Spike \, recovery \, outside \, accepted \, recovery \, limits}$
- B Analyte detected in the associated Method Blank

Date: 13-Aug-09

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL Reporting Limit

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Page 7 of 10

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0908076 Largo Compressor Sta 0908076-08	tion		Clier Co D	2:35:00 PM		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range O	rganics (DRO)	18	10		mg/Kg	1	8/10/2009
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	8/10/2009
Surr: DNOP		86.0	61.7-135		%REC	1	8/10/2009
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB
Gasoline Range	Organics (GRO)	960	25		mg/Kg	5	8/11/2009 4:52:21 AM
Surr: BFB		383	58.8-123	S	%REC	5	8/11/2009 4:52:21 AM
	8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl	ether (MTBE)	ND	0.50		mg/Kg	5	8/11/2009 4:52:21 AM
Benzene	· · ·	ND	0.25		mg/Kg	5	8/11/2009 4:52:21 AM
Toluene		9.3	0.25		mg/Kg	5	8/11/2009 4:52:21 AM
Ethylbenzene		4.0	0.25		mg/Kg	5	8/11/2009 4:52:21 AM
Xylenes, Total		46	0.50		mg/Kg	5	8/11/2009 4:52:21 AM
•	ofluorobenzene	1 25	66.8-139		%REC	5	8/11/2009 4:52:21 AM

Date: 13-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL Reporting Limit

Page 8 of 10

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0908076 Largo Compressor Sta 0908076-09	ation	Client Sample ID: B-24 15' Collection Date: 8/4/2009 3:50:00 PM Date Received: 8/6/2009 Matrix: SOIL					
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS			,,,,,,,,		Analyst: SCC	
Diesel Range O	Irganics (DRO)	[`] 10	10		mg/Kg	1	8/10/2009	
Motor Oil Range	e Organics (MRO)	ND	.50		mg/Kg	1	8/10/2009	
Surr: DNOP		86.6	61.7-135		%REC	1	8/10/2009	
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB	
Gasoline Range	Organics (GRO)	200	25		mg/Kg	5	8/12/2009 12:10:45 AM	
Surr: BFB		144	58.8-123	S	%REC	5	8/12/2009 12:10:45 AM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Methyl tert-butyl	ether (MTBE)	ND	0.50		mg/Kg	5	8/12/2009 12:10:45 AM	
Benzene		ND	0.25		mg/Kg	5	8/12/2009 12:10:45 AM	
Toluene		ND	0.25		mg/Kg	5	8/12/2009 12:10:45 AM	
Ethylbenzene		0.63	0.25		mg/Kg	5	8/12/2009 12:10:45 AM	
Xylenes, Total		7.9	0.50		mg/Kg	5	8/12/2009 12:10:45 AM	
• •	ofluorobenzene	98.0	66.8-139		%REC	5	8/12/2009 12:10:45 AM	

Date: 13-Aug-09

Qualifiers:

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Value exceeds Maximum Contaminant Level

E Estimated value

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J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0908076 Largo Compressor Sta 0908076-10	ntion		3:50:00 PM		
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range O	rganics (DRO)	ND	10	mg/Kg	1	8/10/2009
Motor Oil Range	Organics (MRO)	ND	50	mg/Kg	1	8/10/2009
Surr: DNOP		91.2	61.7-135	%REC	1	8/10/2009
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range	Organics (GRO)	ND	5.0	mg/Kg	1	8/12/2009 12:41:13 AM
Surr: BFB		90.6	58.8-123	%REC	1	8/12/2009 12:41:13 AM
EPA METHOD 8	8021B: VOLATILES					Analyst: NSB
Methyl tert-butyl	ether (MTBE)	ND	0.10	mg/Kg	1	8/12/2009 12:41:13 AM
Benzene	×	ND	0.050	mg/Kg	1	8/12/2009 12:41:13 AM
Toluene		ND	0.050	mg/Kg	1	8/12/2009 12:41:13 AM
Ethylbenzene		ND	0.050	mg/Kg	1	8/12/2009 12:41:13 AM
Xylenes, Total		ND	0.10	mg/Kg	1	8/12/2009 12:41:13 AM
Surr: 4-Bromo	ofiuorobenzene	81.6	66. 8 -139	%REC	1	8/12/2009 12:41:13 AM

Date: 13-Aug-09

Qualifiers: * Value exceeds Maximum Contaminant Level В Ε Estimated value Н J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit RL **Reporting Limit**

- S Spike recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

Page 10 of 10

QA/QC SUMMARY REPORT

Client: Lodestar Ser										- ·	
Project: Largo Comp	bressor Stati	on						, 	Work	Order:	0908076
Analyte	Result	Units	PQL	SPK V	a SPK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: D)iesel Range	-									
Sample ID: MB-19817		MBLK			•.	Batch ID:	19817	Analys	is Date:		8/9/200
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-19817		LCS				Batch ID:	19817	Anaiys	is Date:		8/9/200
Diesel Range Organics (DRO)	36.17	mg/Kg	10	50	0	72.3	64.6	116	· .		
Sample ID: LCSD-19817		LCSD				Batch ID:	19817	Analys	is Date:		8/9/200
Diesel Range Organics (DRO)	33.63	mg/Kg	10	50	0	67.3	64.6	116	7.28	17.4	
Method: EPA Method 8015B: G	asoline Ran	000									
Sample ID: 0908076-02A MSD		MSD				Batch ID:	19815	Analys	is Date:	8/11/2009	6:04·34 PM
Gasoline Range Organics (GRO)	21.64	mg/Kg	5.0	25	2.62	76.1	69.5	120	20.4	11.6	R
Sample ID: 0908076-02A MS	21.04	MS	5.0	2.5	2.02	Batch ID:	19815		is Date:	8/11/2009	
Gasoline Range Organics (GRO)	26.55	mg/Kg	5.0	25	2.62	95.7	69.5	120			0.04.047
		mynyg	0.0						·		
Method: EPA Method 8021B: V	olatiles										
Sample ID: 0908076-02A MSD		MSD				Batch ID:	19815	Analys	is Date:	8/12/2009	2:31:46 PN
Methyl tert-butyl ether (MTBE)	0.8304	mg/Kg	0.10	1	0	83.0	67.9	135	1.78	28	
Benzene	0.5903	mg/Kg	0.050	1	0.039	55.1	78.8	132	1.88	27	S
Toluene	0.7554	mg/Kg	0.050	1	0.0093	74.6	78.9	112	2.21	19	S
Ethylbenzene	0.8686	mg/Kg	0.050	1	0	86.9	69.3	125	0.333	10 -	
Xylenes, Total	2.588	mg/Kg	0.10	3	0	86.3	73	128	1.40	13	
Sample ID: 0908076-02A MS		MS				Batch ID:	19815	Analys	is Date:	8/12/2009	2:01:12 PN
Methyl tert-butyl ether (MTBE)	0.8453	mg/Kg	0.10	1	0	84.5	67. 9	135			
Benzene	0.6015	mg/Kg	0.050	1	0.039	56.3	78.8	132			S
Toluene	0.7723	mg/Kg	0.050	1	0.0093	76.3	78.9	112			S
Ethylbenzone	0.8715	mg/Kg	0.050	1	0	87.2	69.3	125			
Xylenes, Total	2.625	mg/Kg	0.10	3	0	87.5	73	128			

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

ND

Page 1

	le Rece	eipt Ch					
Client Name LODESTAR SERVICES			Date Receive	d:		8/6/2009	
Work Order Number 0908076			Received by	r: ARS abels checked	by:	M	
Checklist completed by:			09	÷	. •	Initials	·
Matrix: Carrier name	e: <u>Grey</u>	hound		·			
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 o	f preserv
Nater - VOA vials have zero headspace? No VOA vials sul	bmitted		Yes 🗌	No 🗔	-	bottles ch pH:	ecked for
Nater - Preservation labels on bottle and cap match?	Yes		No 🗌	N/A 🗹			
Nater - pH acceptable upon receipt?	Yes		No 🗌	N/A 🗹		<2 >12 uni	less noter
Container/Temp Blank temperature?	3.4	4°	<6° C Acceptab			below.	
COMMENTS:			If given sufficien	t time to cool.			
Dient contacted Date contacted:			Pers	on contacted		· · ·	
Contacted by: Regarding:			·				
comments:							
					•••		
Corrective Action							
······································						·····	

ENVIRONMENTAL YSIS LABORATORY lenvironmental.com Albuquerque, NM 87109 Fax 505-345-4107 nalysis.Request	8081 Pesticides / 8082 PCB's 8260B (VOA) 8270 (Semi-VOA) Air Bubbles (Y or N)								It's to	Services.com
	EDB (Method 504.1) EDC (Method 8260) 8310 (PNA or PAH) Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)								Copy results	12
HALL ANAI www.h 4901 Hawkins NE Tel. 505-345-397	8TEX + MTBE + TMP's (8021) BTEX + MTBE + TPH (Gas only) TPH Mathod 8015B (Gas/Diesel) TPH (Method 418.1)	┼─╉	<u>></u> 27	~	V V	22		>>	Remarks: Please Copul	ALAGIOS
Time: Rush Compressor Station	ager: Iley Ager Devi n Henchenn Devi n Henchenn Devi n Henchenn Devi n Henchenn Preservative HEAL NO. Type MOKNTH			7	5	*7 0-	8		Received by: A 9:1A 8/6/AG	
Turn-Around Tim X Standard Project Name: L & Frgo Project #:	Project Manager: AShlee Sampler: Devi Sampler: Devi Container Pre Type and #	402/1	407 /1	402/1	407 11	402/1	1/20/	402/1		
Chain-of-Custody Record * Lalestar Services ess: 1588 CR 204 Durango, CD 81302 ne# 970 946, 1093	 Level 4 (Full Validation) Sample Request ID 	B-25 20'	B-26 201		.08 CC-9	6-37 30 6-33 30		8-24 15 8-24 22	Relinquished by:	Relinquished by:
Client: Lodesfar Services Address: 1588 CR 204 Dur ango, CD 813 Phone # 970 946, 1023	email or Fax#: QA/QC Package: X Standard Cother Cother Date Date Time	8/4/09/1020	8H109 1213	1315	FI EI 60 H.8	8.4.09 1357 8.4.091433	10	8-4-041550 1 8-4-09 1550 1	Date: Time: F	Lime:



COVER LETTER

Monday, August 24, 2009

Ashley Ager Lodestar Services PO Box 4465 Durango, CO 81302

TEL: (970) 946-1093 FAX (970) 385-6794

RE: Largo Compressor Station

Dear Ashley Ager:

Order No.: 0908175

Hall Environmental Analysis Laboratory, Inc. received 17 sample(s) on 8/12/2009 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. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Auch d

For Andy Freeman, Laboratory Manager

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



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109 505.345.3975 ■ Fax 505.345.4107 www.hallenvironmental.com

CLIENT:Lodestar ServicesProject:Largo Compressor StationLab Order:0908175

1

Date: 25-Aug-09

CASE NARRATIVE

"S" flags denote that the surrogate was not recoverable due to sample dilution or matrix interferences.

CLIENT:	Lodestar Services	Client Sample ID: MW-8 Collection Date: 8/10/2009 1:55:00 PM						
Lab Order:								
Project:	Date Received: 8/12/2009							
Lab ID:		Matrix: AQUEOUS						
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8021B: VOLATILES	<u> </u>	<u> </u>			· ·	Analyst: NSE	
Benzene		ND	1.0		µg/L	1	8/14/2009 2:56:58 AM	

1.0

1.0

2.0

65.9-130

µg/L

µg/L

µg/L

%REC

ND

ND

ND

71.6

Hall Environmental Analysis Laboratory, Inc.

Date: 24-Aug-09

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8/14/2009 2:56:58 AM 8/14/2009 2:56:58 AM

8/14/2009 2:56:58 AM

8/14/2009 2:56:58 AM

Qualifiers:

Toluene

Ethylbenzene

Xylenes, Total

. Surr: 4-Bromofluorobenzene

* Value exceeds Maximum Contaminant Level

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 17

CLIENT:	· Lodestar Services		Client Sample ID: MW-3							
Lab Order:	der: 0908175				Collection Date: 8/10/2009 2:31:00 PM					
Project:	Largo Compressor St	ation								
Lab ID:	0908175-02				Matri	ix: AQUEOUS	• •			
Analyses	đ	Result	PQL	Qual	Units	DF	Date Analyzed			
EPA METHOD	8021B: VOLATILES						Analyst: NSE			
Benzene		35	1.0		µg/L	1	8/14/2009 3:27:20 AM			
Toluene		ND	. 1.0		µg/L	- 1	8/14/2009 3:27:20 AM			
Ethylbenzene		3.8	1.0		µg/L	1	8/14/2009 3:27:20 AM			
Xylenes, Total		ND	2.0	.	µg/L	1	8/14/2009 3:27:20 AM			
Surr: 4-Brome	ofluorobenzene	94.4	65.9-130		%REC	1	8/14/2009 3:27:20 AM			

Qualifiers:

¥

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Date: 24-Aug-09

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

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	8021B: VOLATILES				Analyst: N
Analyses		Result	PQL Qual Units	DF	Date Analyzed
Lab ID:	0908175-03	· · · · · · · · · · · · · · · · · · ·	Matrix:	AQUEOUS	3
Project:	Largo Compressor Sta	ation	Date Received:	8/12/2009	
Lab Order:	0908175		Collection Date:	8/10/2009 3	3:28:00 PM
CLIENT:	Lodestar Services		Client Sample ID:	MW-7	· .

Date: 24-Aug-09

Analyses	Result	rų v	ual Onits	Dr	Date Analyzeu
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	15000	500	µg/L	500	8/14/2009 5:20:19 PM
Toluene	ND	100	µg/L	100	8/14/2009 3:57:43 AM
Ethylbenzene	380	100	µg/L	100	8/14/2009 3:57:43 AM
Xylenes, Total	310	200	µg/L	100	8/14/2009 3:57:43 AM
Surr: 4-Bromofluorobenzene	97.8	65.9-130	%REC	100	8/14/2009 3:57:43 AM

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Clien	t Sample ID:	MW-4		
Lab Order:	0908175				lection Date:		:58:00 PM	
Project:	roject: Largo Compressor Station				ate Received:			
Lab ID:	0908175-04					AQUEOUS		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d .
PA METHOD 8	021B: VOLATILES				- <u></u>		Analyst	NSB
Benzene		ND	1.0		µg/L	1	8/14/2009 5:50:4	5 PM
Toluene		ND	. 1.0		µg/L	1	8/14/2009 5:50:4	5 PM
Ethylbenzene		ND	1.0		µg/L	1	8/14/2009 5:50:4	5 PM
Xylenes, Total		ND	2.0		µg/L	1 .	8/14/2009 5:50:4	5 PM
Surr: 4-Bromo	fluorobenzene	89.8	65.9-130		%REC	1	8/14/2009 5:50:4	5 PM
							•	
					•			
		•						
							•	

Qualifiers:

- Value exceeds Maximum Contaminant Level
 Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- ${\bf B} \quad \ \ {\rm Analyte \ detected \ in \ the \ associated \ Method \ Blank}$
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Date: 24-Aug-09

8/22/2009 3:41:21 PM 8/22/2009 3:41:21 PM 8/22/2009 3:41:21 PM 8/22/2009 3:41:21 PM

CLIENT:	Lodestar Services		Clien	t Sample II	: MW-5	
Lab Order: 0908175			Col	Collection Date:		4:09:00 PM
Project:	Largo Compressor Sta	ation	D	ate Received	1: 8/12/2009	x
Lab ID:	0908175-05			Matrix	: AQUÉOUS	\$
Analyses	· ·	Result	PQL Qual	Units	DF	Date Analyzed
EPA METHOD	8021B: VOLATILES	· · · · · · · · · · · · · · · · · · ·			ابر مسجد بزخمین انداز بر را می	Analyst: NSB
Benzene		ND	1.0	µg/L	1	8/22/2009 3:41:21 PM

Benzene	ND	1.0	µg/L	1
Toluene	ND	1.0	µg/L	1
Ethylbenzene	ND	1.0	µg/L	1
Xylenes, Total	ND	2.0	µg/L	1
Surr: 4-Bromofluorobenzene	68.4	65.9-130	%REC	- 1

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Clien	t Sample I	D: MW-2	MW-2		
Lab Order:	0908175			Collection Date: 8/10/2009 4:49:00 PM					
Project:	Largo Compressor St	tation	Date Re		Date Received: 8/12/2009)		
Lab ID:	0908175-06		Matrix: AQUEOUS			JS			
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8021B: VOLATILES	······	····		<u></u>		Analyst: NSE		
Benzene		9800	100		µg/L	100	8/22/2009 4:12:34 PM		
Toluene		110	100		µg/L	100	8/22/2009 4:12:34 PM		
Ethylbenzene	·.	170	100		µg/L	100	8/22/2009 4:12:34 PM		
Xylenes, Total		1400	200		µg/L	100	8/22/2009 4:12:34 PM		
Surr: 4-Brom	ofluorobenzene	71.9	65.9-130		%REC	100	8/22/2009 4:12:34 PM		

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Date: 24-Aug-09

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT: Lab Order:				Client Sample II Collection Dat		MW-6 8/10/2009 5:42:00 PM		
Project:Largo Compressor StationLab ID:0908175-07			Date Receive Matri	d: 8/12/2009 x: AQUEOU				
Analyses	· · ·	Result	PQL	Qual Units	DF	Date Analyzed		
EPA METHOD	8021B: VOLATILES					Analyst: NSE		
Benzene		ND	1.0	µg/L	1	8/23/2009 8:44:06 PM		
Toluene		ND	1.0	μg/L	. 1	8/23/2009 8:44:06 PM		
Ethylbenzene		ND	1.0	µg/L	1	8/23/2009 8:44:06 PM		
Xylenes, Total		ND	2.0	µg/L	1	8/23/2009 8:44:06 PM		
Surr: 4-Brom	ofluorobenzene	92.0	65.9-130	%REC	· 1	8/23/2009 8:44:06 PM		

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services): MW-9			
Lab Order:	0908175		Collection Date: 8			6:17:00 PM	
Project: Largo Compressor S		tation		Date Received		e	
Lab ID:	0908175-08				K: AQUEOU		
Analyses		Result	PQL	Qual Units	DF .	Date Analyzed	
EPA METHOD	8021B: VOLATILES					Analyst: NSB	
Benzene		ND	1.0	µg/L	1	8/23/2009 9:14:38 PM	
Toluene		ND	1.0	µg/L	1	8/23/2009 9:14:38 PM	
Ethylbenzene		ND	1.0	μg/L	1	8/23/2009 9:14:38 PM	
Xylenes, Total	•	ND	2.0	μg/L	1	8/23/2009 9:14:38 PM	
Surr: 4-Brom	ofluorobenzene	90.8	65.9-130	%REC	1	8/23/2009 9:14:38 PM	

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Date: 24-Aug-09

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:Lodestar ServicesLab Order:0908175Project:Largo Compressor		ion	Co			B-28 15' 8/7/2009 10:36:00 AM 8/12/2009		
Lab ID:	0908175-09				Matrix:	SOIL		
Analyses		Result	PQL	Qual U	nits	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE C	ORGANICS					Analyst: SCC	
Diesel Range O	organics (DRO)	ND	10	mg	j/Kg	1	8/14/2009	
Motor Oil Range	e Organics (MRO)	ND	50	mg	j/Kg	. 1	8/14/2009	
Surr: DNOP		87.2	61.7-135	%F	REC	1	8/14/2009	
EPA METHOD	8015B: GASOLINE RANG	E					Analyst: NSB	
Gasoline Range	Organics (GRO)	ND	5.0	mg	/Kg	1	8/21/2009 11:36:59 AM	
Surr: BFB		91.7	65.9-118	%F	REC	1	8/21/2009 11:36:59 AM	
	8021B: VOLATILES				•		Analyst: NSB	
Benzene		ND	0.050	mg	/Kg	1	8/15/2009 3:00:33 AM	
Toluene		ND	0.050	mg	/Kg	1	8/15/2009 3:00:33 AM	
Ethylbenzene	· ,	ND	0.050	mg	/Kg	1	8/15/2009 3:00:33 AM	
Xylenes, Total		ND	0.10	mg	/Kg	1	8/15/2009 3:00:33 AM	
Surr: 4-Bromo	ofluorobenzene	87.1	66.8-139	%F	REC	1	8/15/2009 3:00:33 AM	

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT:	Lodestar Services			Client Sample	ID: B-28 20'	
Lab Order:	0908175			Collection Da	ate: 8/7/2009	10:41:00 AM
Project:	Largo Compressor Sta	tion		Date Receiv	ed: 8/12/2009	1
Lab ID:	0908175-10			Mat	rix: SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	PA METHOD 8015B: DIESEL RANGE ORGANICS			· · · · ·		Analyst: SCC
Diesel Range O	organics (DRO)	ND	10	mg/Kg	1	8/14/2009
Motor Oil Range	e Organics (MRO)	ND	50	mg/Kg	1	8/14/2009
Surr: DNOP		90.3	61.7-135	%REC	1	8/14/2009
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0	mg/Kg	1	8/21/2009 12:07:31 PM
Surr: BFB		84.3	65.9-118	%REC	1	8/21/2009 12:07:31 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene		ND	0.050	mg/Kg	1	8/15/2009 3:31:03 AM
Toluene		ŇD	0.050	mg/Kg	1	8/15/2009 3:31:03 AM
Ethylbenzene		ND	0.050	mg/Kg	1	8/15/2009 3:31:03 AM
Xylenes, Total		ND	0.10	mg/Kg	1	8/15/2009 3:31:03 AM
• • •	ofluorobenzene	93.4	66.8-139	%REC	1	8/15/2009 3:31:03 AM

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services	Client Sample ID:	B-29 20'		
Lab Order:	0908175	Collection Date:	8/7/2009 1	1:36:00 AM	
Project:	Largo Compressor Station	Date Received:	8/12/2009		
Lab ID:	0908175-11	Matrix:	SOIL	· ·	• •
Analyses	Result	POL Oual Units	DF	Date Analyzed	

Hall Environmental Analysi	s Laboratory, Inc.
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EPA METHOD 8015B: DIESEL RANGE ORGANICS Analyst: SCC 8/14/2009 **Diesel Range Organics (DRO)** ND 10 mg/Kg 1 ND 50 mg/Kg 8/14/2009 Motor Oil Range Organics (MRO) 1 %REC 8/14/2009 Surr: DNOP 88.5 61.7-135 1 **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB ND 5.0 mg/Kg 8/21/2009 12:38:03 PM Gasoline Range Organics (GRO) 1 Surr: BFB 90.9 65.9-118 %REC 1 8/21/2009 12:38:03 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB 0.050 mg/Kg 8/15/2009 4:01:36 AM Benzene ND 1 Toluene ND 0.050 mg/Kg 8/15/2009 4:01:36 AM 1 Ethylbenzene ND 0.050 mg/Kg 8/15/2009 4:01:36 AM 1 Xylenes, Total ND 0.10 mg/Kg 1 8/15/2009 4:01:36 AM Surr: 4-Bromofluorobenzene **79.8** 66.8-139 %REC 1 8/15/2009 4:01:36 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Date: 24-Aug-09

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT:	Lodestar Services			Client	Sample ID:	B-29 15'	
Lab Order:	0908175			Colle	ection Date:	8/7/2009 1	1:40:00 AM
Project:	Largo Compressor Sta	tion		Dat	te Received:	8/12/2009	
Lab ID:	0908175-12				Matrix:	SOIL	•
Analyses	······································	Result	PQL	Qual 1	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS			****** _	and a second	Analyst: SCC
Diesel Range C	organics (DRO)	ND	10	r	ng/Kg	1	8/14/2009
Motor Oil Range	e Organics (MRO)	ND	50	r	ng/Kg	1	8/14/2009
Surr: DNOP		88.6	61.7-135	0	%REC	1	8/14/2009
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0	r	ng/Kg	1	8/21/2009 1:08:33 PM
Surr: BFB		81.0	65.9-118	0	%REC	1	8/21/2009 1:08:33 PM
EPA METHOD	8021B: VOLATILES				•		Analyst: NSB
Benzene		ND	0.050	r	ng/Kg	1	8/15/2009 4:32:14 AM
Toluerie		ND	0.050	n	ng/Kg	1	8/15/2009 4:32:14 AM
Ethylbenzene		ND	0.050	r	ng/Kg	1	8/15/2009 4:32:14 AM
Xylenes, Total		ND	0.10	. r	ng/Kg	1	8/15/2009 4:32:14 AM
Surr: 4-Brom	ofluorobenzene	82.1	66.8-139	9	KREC	1	8/15/2009 4:32:14 AM

Hall Environmental Analysis Laboratory, Inc.

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

Е Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- Spike recovery outside accepted recovery limits S
- в Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Clien	it Sample I	D: B-29 18'-	19'		
Lab Order: 0908175				Co	llection Dat	te: 8/7/2009	8/7/2009 11:47:00 AM		
Project:	Largo Compressor Sta	ation		Date Received:		d: 8/12/2009)		
Lab ID:	0908175-13					ix: SOIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC		
Diesel Range C	Irganics (DRO)	17	10		mg/Kg	1	8/14/2009		
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	8/14/2009		
Surr: DNOP	· .'	88.9	61.7-135		%REC	1	8/14/2009		
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB		
Gasoline Range	e Organics (GRO)	420	100		mg/Kg	20	8/21/2009 1:38:56 PM		
Surr: BFB		108	65.9-118		%REC	20	8/21/2009 1:38:56 PM		
EPA METHOD	8021B: VOLATILES						Ana <u>i</u> yst: NSB		
Benzene	· · · · · · · · · · · · · · · · · · ·	ND	1.0		mg/Kg	20	8/19/2009 9:41:12 PM		
Toluene		ND	1.0		mg/Kg	20	8/19/2009 9:41:12.PM		
Ethylbenzene		1.7	1.0		mg/Kg	20	8/19/2009 9:41:12 PM		
Xylenes, Total		18	2.0		mg/Kg	20	8/19/2009 9:41:12 PM		
Surr: 4-Brom	ofluorobenzene	104	64.7-120		%REC	20	8/19/2009 9:41:12 PM		

Date: 24-Aug-09

Qualifiers:

序 Value exceeds Maximum Contaminant Level

Ε Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- Spike recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services		•.	Client	Sample ID:	B-30 15'		
Lab Order: 0908175				Colle	ection Date:	8/7/2009 12:39:00 PM		
Project:	ation	Date Received:			8/12/2009	· · ·		
Lab ID:	0908175-14			Matrix:		SOIL	· .	
Analyses	· · ·	Result	PQL	Qual U	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS	A.A.,		· · · · · · · · · · · · · · · · · · ·	<u></u>	Analyst: SCC	
Diesel Range C	Organics (DRO)	ND	10	n	ng/Kg	1	8/14/2009	
Motor Oil Range	e Organics (MRO)	ND	50	n	ng/Kg	1	8/14/2009	
Surr: DNOP		83.8	61.7-135	9	%REC	1	8/14/2009	
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB	
Gasoline Range	e Organics (GRO)	ND	5.0	n	ng/Kg	1	8/21/2009 2:09:27 PM	
Surr: BFB		98 .1	65.9-118	9	%REC	1	8/21/2009 2:09:27 PM	
	8021B: VOLATILES						Analyst: NSB	
Benzene		NÐ	0.050	n	ng/Kg	1	8/15/2009 11:08:51 AM	
Toluene		ND	0.050	n	ng/Kg	1	8/15/2009 11:08:51 AM	
Ethylbenzene		ND	0.050	n	ng/Kg	1	8/15/2009 11:08:51 AM	
Xylenes, Total		ND	0.10	n	ng/Kg	1	8/15/2009 11:08:51 AM	
Surr: 4-Brom	ofluorobenzene	90.6	66.8-139	9	%REC	1	8/15/2009 11:08:51 AM	

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0908175 Largo Compressor Sta 0908175-15	tion		Client Sample I Collection Dat Date Receive Matri	te: 8/7/2009	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range C	Organics (DRO)	ND	10	mg/Kg	1	8/14/2009
Motor Oil Range	e Organics (MRO)	ND	50	mg/Kg	1	8/14/2009
Surr: DNOP	· ·	86.8	61.7-135	%REC	1	8/14/2009
EPA METHOD	8015B: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0	mg/Kg	1	8/21/2009 2:40:02 PM
Surr: BFB		91.7	65.9-118	%REC	1	8/21/2009 2:40:02 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene		ND	0.050	mg/Kg	1	8/15/2009 11:39:18 AM
Toluene		ND	0.050	mg/Kg	1	8/15/2009 11:39:18 AM
Ethylbenzene		ND	0.050	mg/Kg	1	8/15/2009 11:39:18 AM
Xylenes, Total		ND	0.10	mg/Kg	1	8/15/2009 11:39:18 AM
Surr: 4-Brome	ofluorobenzene	80.7	66.8-139	%REC	1	8/15/2009 11:39:18 AM

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Date: 24-Aug-09

Qualifiers: * Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank В Ε Estimated value Н Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits MCL Maximum Contaminant Level ND Not Detected at the Reporting Limit **Reporting Limit** RL Spike recovery outside accepted recovery limits s

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CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0908175 Largo Compressor Sta 0908175-16	tion		Client Sample ID: Collection Date: Date Received: Matrix:		8/7/2009 1:22:00 PM 8/12/2009	
Analyses	<u> </u>	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range C	Prganics (DRO)	ND	10		mg/Kg	.1	8/14/2009
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	8/14/2009
Sun: DNOP		84.0	61.7-135		%REC	1	8/14/2009
EPA METHOD	8015B: GASOLINE RANG	E					Analyst: NSB
Gasoline Range	Organics (GRO)	ND	5.0		mg/Kg	1	8/21/2009 3:10:38 PM
Surr: BFB	· · · ·	91.5	65.9-118		%REC	1	8/21/2009 3:10:38 PM
	8021B: VOLATILES						Analyst: NSB
Benzene		ND	0.050		mg/Kg	1	8/15/2009 12:09:40 PM
Toluene		ND	0.050		mg/Kg	1	8/15/2009 12:09:40 PM
Ethylbenzene		ND	0.050		mg/Kg	1	8/15/2009 12:09:40 PM
Xylenes, Total		ND	0.10		mg/Kg	1	8/15/2009 12:09:40 PM
Surr: 4-Brome	ofluorobenzene	85.9	66.8-139		%REC	1	8/15/2009 12:09:40 PM

Date: 24-Aug-09

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Clie	nt Sample ID:	Hand Auge	er 2-14'
Lab Order:	0908175				llection Date:	8/7/2009 1	:44:00 PM
Project:	Largo Compressor Sta	tion		Date Received:		8/12/2009	
Lab ID:	0908175-17		· · ·		Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range C	Organics (DRO)	300	10		mg/Kg	1	8/18/2009
Motor Oil Range	e Organics (MRO)	300	50		mg/Kg	1 ·	8/18/2009
Surr: DNOP	· .	96.6	61.7-135		%REC	1	8/18/2009
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	980	100		mg/Kg	20	8/21/2009 3:41:14 PM
Surr: BFB		311	65.9-118	S	%REC	20	8/21/2009 3:41:14 PM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene		ND	1.0		mg/Kg	20	8/20/2009 1:14:07 AM
Toluene		ND	1.0		mg/Kg	20	8/20/2009 1:14:07 AM
Ethylbenzene		ND	1.0		mg/Kg	20	8/20/2009 1:14:07 AM
Xylenes, Total		38	2.0		mg/Kg	20	8/20/2009 1:14:07 AM
Surr: 4-Brome	ofluorobenzene	94.7	64.7-120		%REC	20	8/20/2009 1:14:07 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Estimated value
- Analyte detected below quantitation limits J
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 17 of 17

QA/QC SUMMARY REPORT

	ar Services Compressor Stat	ion							Work	Order:	0908175
Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimit	Qual
	5B: Diesel Rang	-									
Sample ID: MB-19859	·	MBLK				Batch ID:	19859	Analysi	s Date:		8/14/2009
Diesel Range Organics (DRO) ND	mg/Kg	10								
Motor Oll Range Organics (M	RO) ND	mg/Kg	50				. •				
Sample ID: LCS-19859		LCS				Batch ID:	19859	Analysis	a Date:		8/14/2009
Diesel Range Organics (DRO) 37,76	mg/Kg	10	5 0	0	75.5	64.6	116			
Sample ID: LCSD-19859		LCSD				Batch ID:	19859	Analysis	s Date:		8/14/2009
Diesel Range Organics (DRO) 39.50	mg/Kg	10	50	0	79.0	64.6	116	4.50	17.4	······
Method: EPA Method 801	5B: Gasoline Ra	nge		. •						×	
Sample ID: 0908175-09A M	SD	MSD				Batch ID:	19852	Analysis	Bate:	8/21/2009	9:48:30 PM
Gasoline Range Organics (GI	RO) 29.60	mg/Kg	5.0	25	2.6	108	69.5	120	17.0	11.6	R
Sample ID: 5ML RB		MBLK				Batch ID:	R34925	Analysis	B Date:	8/14/2009	9:47:03 AM
Gasoline Range Organics (GR	RO) ND	mg/Kg	5.0								
Sample ID: MB-19852		MBLK				Batch ID:	19852	Analysis	B Date:	8/21/2009 1	0:49:18 PM
Gasoline Range Organics (Gf	RO) ND	mg/Kg	5.0								
Sample ID: 2.5UG GRO LC	S	LČS				Batch 1D:	R34925	Analysis	Date:	8/14/2009	B:54:21 PM
Gasoline Range Organics (GF	RO) 24.03	mg/Kg	5.0	25	0	96.1	64.4	133			
Sample ID: LCS-19852	•	LČS			•	Batch ID:	19852	Analysis	Date:	8/21/2009 1	D:18:56 PM
Gasoline Range Organics (GF	RO) 30.43	mg/Kg	5.0	25	3.56	107	64.4	133			
Sample ID: 0908175-09A M	•	MS				Batch ID:	19852	Analysis	Date:	8/21/2009 9	9:18:10 PM
Gasoline Range Organics (GF		mg/Kg	5.0	25	2.6	89.4	69.5	120			
			<i></i>								

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

· Page 1

QA/QC SUMMARY REPORT

Client:

Lodestar Services Largo Compressor Station

Project: Largo Cor	npressor Stati	ion							Work	Order:	0908175
Analyte	Result	Units	PQL	SPK V	a SPK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B											
Sample ID: 0908175-09A MSD		MSD				Batch ID:	19852	Analys	sis Date:	8/20/2009	4:18:07 AN
Benzene	1.014	mg/Kg	0.050	1	0.0127	100	78.8	132	4.74	27	
Toluene	1.068	mg/Kg	0.050	1	0	107	78. 9	112	7.14	. 19	
Ethylbenzene	1.068	mg/Kg	0.050	1	0	. 107	69.3	125	11.7	10	R
Xylenes, Total	3.184	mg/Kg	0.10	3	0.	106	73	128	13.7	13	R
Sample ID: 5ML RB		MBLK				Batch ID:	R34925	Analys	sis Date:	8/14/2009	9:47:03 AN
Benzene	ND	mg/Kg	0.050			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19					
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: MB-19852		MBLK				Batch ID:	19852	Analys	is Date:	8/15/2009	5:33:16 AM
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: 100NG BTEX LCS		LCS				Batch ID:	R34925	Analys	is Date:	8/14/2009	9:24:50 PM
Benzene	0.9481	mg/Kg	0.050	1	0.0026	94.6	78.8	132			
Toluene	0.9489	mg/Kg	0.050	1	0	94.9	78.9	112			
Ethylbenzene	0.9367	mg/Kg	0.050	1	0	93.7	69.3	125			
Xylenes, Total	2.800	mg/Kg	0.10	3	0	93.3	73	128			
Sample ID: LCS-19852		LCS				Batch ID:	19852	Analys	is Date:	8/15/2009	8:36:26 AM
Benzene	0.8788	mg/Kg	0.050	1	0.0125	86.6	78.8	132			
Toluene	0.8155	mg/Kg	0.050	1	0	81.6	78.9	112			
Ethylbenzene	0.8681	mg/Kg	0.050	1	0	86.8	69.3	125			
Xylenes, Total	2.514	mg/Kg	0.10	3	0	83.8	73	128			
Sample ID: 0908175-09A MS		MS		_		Batch ID:	19852		is Date:	8/20/2009	3:47:39 AM
Benzene	0.9670	mg/Kg	0.050	1	0.0127	95.4	78.8	132			
Toluene	0.9946	mg/Kg	0.050	1	0	99.5	78.9	112			
Ethylbenzene	0.9494	mg/Kg	0.050	1	0	94.9		125			
Xylenes, Total	2.776	mg/Kg	0.10	3	0	92.5	73	128			

Qualifiers:

Ε Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Lodestar Ser Project: Largo Comp		ion							Work	Order:	0908175
Analyte	Result	Units	PQL	SPK Va	I SPK ref	%Rec L	.owLimit [`] Hi	ghLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: V	/olatiles										
Sample ID: 5ML RB		MBLK				Batch ID:	R34904	Analys	ls Date:	8/13/2009	9:08:54 AN
Benzene	ND	µg/L	1.0								
Taluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0							·	
Kylenes, Total	ND .	µg/L	2.0							,	
Sample ID: 75NG BTEX CCV		MBLK				Batch ID:	R34925	Analysi	is Date:	8/14/2009 1	0:48:16 Al
Benzene	14.25	µg/L	1.0								
Toluene	14.03	µg/L	1.0								
Ethylbenzene	13.84	µg/L	1.0								
Kylenes, Total	41.61	µg/L	2.0								
Sample ID: 6ML RB		MBLK				Batch ID:	R34925	Analysi	s Date:	8/14/2009	9:47:03 Al
Benzene	ND	µg/L	1.0								
foluene	ND	µg/L	1.0				· .				
Ethylbenzene	ND	µg/L	1.0								
(ylenes, Total	ND	µg/L	2.0				•				
Sample ID: 6ML RB		MBLK				Batch ID:	R34999	Analysi	s Date:	8/22/2009 1	0:41:16 Al
Banzene	ND	µg/L	1.0								
oluene	ND	μg/L	1.0								
thylbenzene	ND	μg/L	1.0								
vienes, Total	ND	µg/L	2.0								
ample ID: 100NG BTEX LCS		LCS				Batch ID:	R34904	Analysi	s Date:	8/13/2009	9:21:48 PN
Banzene	19.09	µg/L	1.0	20	0	95.5	85.9	113			,
oluene	19.45	µg/L	1.0	20	0.136	96.6	86.4	113			
Ethylbenzene	18.97	µg/L	1.0	20	0.166	94.0	83.5	118	•		
vienes, Total	55.66	µg/L	2.0	60	0	92.8	83.4	122			
ample ID: 100NG BTEX LCS		LCS				Batch ID:	R34925	Analysi	s Date:	8/14/2009	9:24:50 PN
enzene	18.96	µg/L	1.0	20	0	94.8	85.9	113			
oluene	18.98	µg/L	1.0	20	о О	94.9	86.4	113			
thylbenzene	18.73	µg/L	1.0	20	0.13	93.0	83.5	118			
ylenes, Total	56.00	µg/L	2.0	60	0	93.3	83.4	122			
ample ID: 100NG BTEX LCS		LCS				Batch ID:	R34999	Analysi	s Date:	8/22/2009	9:52:19 PN
enzene	20.06	µg/L	1.0	20	0	100	85.9	113			
oluene	20.62	µg/L	1.0	20	o	103	85.4	113			
thylbenzene	20.06	µg/L	1.0	20	0	100	83.5	118			
ylenes, Total	58.83	µg/L	· 2.0	20 60	0	98.1	83.4	122			
ample ID: 100NG BTEX LCSD	00.00	LCSD	2.0	00	v	Batch ID:	R34999	Analysis	a Date:	8/22/2009 10	1.22.47 121
	10.40		1.0	00	~						J.66.41 PN
enzene oluene	19.19 18.60	µg/L	1.0	20	0	95.9 02.4	85.9 86.4	113	4.45	27	
thylbenzene	18.69 17.84	µg/L	1.0	20	0	93.4 80.2	86.4 82.5	113	9.84	19	~
myibenzene ylenes, Total	17.84 52.19	μg/L μg/L	1.0 2.0	20 60	0 0	89.2 87.0	83.5 83.4	118 122	11.7 12.0	10 13	R

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Page 3

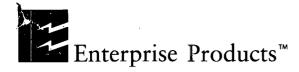
ND

Hall Environmental Analysis Laboratory, Inc.

Sampl	le Receipt (Checklist		
Client Name LODESTAR SERVICES		Date Receiv	ed:	8/12/2009
Work Order Number 0908175		Received k	y: TLS	~
Checklist completed by:	8/	Sample ID	labels checked I	DY: Initials
Signature			<u> </u>	
Matrix: Carrier name	: <u>Greynound</u>			
		4		
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
Water - VOA vials have zero headspace? No VOA vials sub	omitted 🗌	Yes 🗹	No 🗔	bottles checked for pH:
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
Container/Temp Blank temperature?	5.6°	<6° C Accepta		below.
COMMENTS:		If given sufficie	nt time to cool.	
Client contacted Date contacted:		Per	son contacted	
Contacted by: Regarding:				· · · · · · · · · · · · · · · · · · ·
	. <u>,</u>			
Comments:				······································
				·
		·	··· •	
Corrective Action				
		······································		· · · ·

HALL ENVIRONMENTAL		www.hallenvironmental.com	1 4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	1.1	() () () () () () () () () () () () () (PO4, SC)	085 10 ^{5;} 10 ^{5;} 11)	IT + 3310 814 9310 814 81 81 81 81 81 81 81 81 81 81 81 81 81	8 E d 8 od 2 od	TM + X3T8 BTEX + MT TPH Metho TPH Metho TPH (Metho Retho Robbies B100 (PUA Robbies 82508 (VO) 8081 Pestic 8081 Pic 8081 Pic 80													Please Copy results to ALABLODESIAN	Time: Relinquished by: Received by Date Time J DOT VICO .COV
Lime	X Standard 🗆 Rush		Largo compressor utation	Project #:		Project Manager:	Ashley Ager	Sampler: Dr. Vin Herr Mann		Sauple Helppelonie Sauge Dail of a start and	Container Type and # Type	Glass/3 NONE 1			•	Gless 3 NONE 5	2 NONE	6 lass 3 HCL 7	Glass 3 HCL 8	-			Barokivad hur	poleily V	Received ty/
ord	actur Services		1588 CR 204	ango co 81303	# 970.944.1093		🗆 Level 4 (Full Validation)				Matrix Sample Request ID	FA MW-8	MW-3	MW-7		MW-5	MW-Z	1 MM-6				-	Relinvirished hv	Further	Relinquished by:
Chain- Client:			Mailing Address: 156%	Dur	Phone #: 97	email or Fax#:	QA/QC Package: XStandard	□ Other	🗆 EDD (Type)		Date Time	8-10-091335	8.10-09 1431	8-10-09 1528	8.10.09 1556	8-10-09/10-01-8	8-10-09 1649	8-10-09/17 42	E18160-01-8		-		Date Time	S.	Date: Time:

HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis.Request	d 504.1) br PAH) des / 8082 PCB's v/OA) tals v/OA) (AOA)	17M + X∃T8 200159M H9T TPH (Method TPDB (Method AV9) 0158 AN9) 0158 AN9 2005 D,37) 2000 D,37) 2000 D,37) 2000 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,370 D,37								Remarks: Djease Copy results to	Time: Relinquished by: Received by: Date Time MARICAC SCYNCCS COM
Turn-Around Time:	Project #:	Project Manager: AShley Ager Sampler: Devin Hencmann	Container Preservative Type and # Type	402/1 NONE Q	402/1 NONE 10	CI JUNE I	1 NOVE 1	I NONE	402/1 NONE 15 403/1 NONE 15	Nout	Received by:	Received by: Date Time Date Time
Chain-of-Custody Record	Mailing Address: 1588 CR 204 DUV4 Ng0, CD 81302 F Phone #: 970 946, 1093	el 4 (Full Validation)	Date Time Matrix Sample Request ID	Mar B-38 15'	8-3-09 10-41 1 13-38 30' 14 8-3 rollizh 1 12-39 30' 14	6-29 15'	181-191	1239 12-30 15'	8-709 1242 15-30 20' 8-709 1322 Bund Auger 1-5'	1344 Hand Augur 2-14'	Date: Time: Relinquished by: Rillog Table P. L. A.	Date: Time: Relinquished by: R



July 23, 2009

ENTERPRISE PRODUCTS PARTNERS LP ENTERPRISE PRODUCTS OPERATING LLC ENTERPRISE PRODUCTS GP, LLC, GENERAL PARTNER ENTERPRISE PRODUCTS OLPGP, INC., SOLE MANAGER Return Receipt Requested

7008 1830 0001 3448 3589

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Ch

Mr. Leonard Lowe Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Response to Inspection Report GW-211 Largo Compressor Station, Enterprise Field Services, LLC Rio Arriba County, New Mexico

Dear Mr. Lowe,

In response to Inspection Report GW-211 dated July 9, 2009, Enterprise Field Services, LLC (Enterprise) presents the following work plan to address groundwater concerns identified by the New Mexico Oil Conservation Division (NMOCD) at the Largo Compressor Station located in Unit I of Section 15 within Township 26N, Range 7W in Rio Arriba County, NM. This work plan describes additional subsurface investigation to further delineate impacted soil at the site. Results of the subsurface investigation will be used to better estimate the amount of impacted soil that needs to be removed and develop other remedial actions, if necessary. As requested, a report documenting the initial investigation findings, including groundwater sampling data, is attached.

Enterprise has planned a hollow stem auger soil boring and sampling program meant to further delineate and characterize impacted soil and groundwater at the site. A map is attached showing locations of existing data and proposed borehole and groundwater monitoring well locations. Boreholes will proceed until the depth of the impacted soil is identified or groundwater is encountered. Soil samples will be collected every five feet using a hammer and split spoon sampler. Immediately upon retrieval of the samples, soil will be placed in an air-filled one quart Zip Lock TM plastic bag and sealed. The plastic bag will be warmed until the sample is a minimum of 70 degrees Fahrenheit. Once the soil within the bag has been sufficiently agitated, the concentrations of ionizable constituents within the bag will be measured using a Minirae 2000 photo ionization detector (PID). The remainder of the split spoon sample will be described by a geologist and recorded on a *Lithologic Log*. In the event that no impact is identified, borehols will be terminated at twenty five feet beneath ground surface unless surrounding conditions warrant further sampling. Boreholes containing no impacted soil will be backfilled with the original material removed from the hole. Boreholes containing impacted soil will be plugged with bentonite and hydrated. Any impacted soil recovered from boreholes will be stockpiled on lined material and characterized for disposal at an NMOCD approved facility.

Enterprise's contractor will complete all work in accordance with industry-accepted practices. All down-hole drilling equipment will be thoroughly decontaminated prior to each use. Screening will be completed according to the NMOCD's *Guidelines for Remediation of Leaks, Spills, and*

Mr. Leonard Lowe July 23, 2009 Page 2 of 3

Releases, August 13, 1993. If impacted soil is found within a borehole, the sample from the highest field screening result and the sample from the bottom of the borehole will be submitted for laboratory analysis of benzene, toluene, ethyl benzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH) according to USEPA Methods 8021B and 8015M, respectively. The samples will be placed in pre-cleaned glass jars supplied by the laboratory, labeled with the location, date, time, sample technician, and method of analysis, and immediately placed on ice. Samples will be shipped to the laboratory via commercial bus under strict chain-of-custody procedures.

Well installations will conform to industry-accepted standards. Wells will be constructed of schedule 40, two-inch diameter polyvinyl-chloride (PVC) and will include fifteen feet of 0.01-inch machine slotted flush-threaded PVC well screen. Ten feet of screen will be set beneath the water table and at least five feet above to allow for seasonal fluctuations. A clean 10-20 grade silica sand gravel pack will be placed from the bottom of the boring to three feet above the top of the screen. Two feet of three-eights inch natural bentonite chips will be set above the gravel pack followed by a neat cement slurry, containing a minimum of five percent powdered bentonite, to the surface. Top of casing elevations will be determined and a groundwater gradient and direction estimated. Groundwater samples will be collected by filling at least two pre-cleaned and pre-preserved 40-milliliter (ml) glass vials with zero headspace to prevent degradation of the sample. All of the groundwater samples will be submitted to the laboratory and analyzed for BTEX.

This letter serves as two weeks notification to the NMOCD that Enterprise intends to start this investigation on August 3, 2009. The field work will take approximately five days to complete. An investigation report describing the work completed and discussing results of the investigation will be submitted to the NMOCD following receipt of analytical results. The report will also propose remedial actions as necessary. Should you have any questions, please do not hesitate to contact me at 713-381-2286.

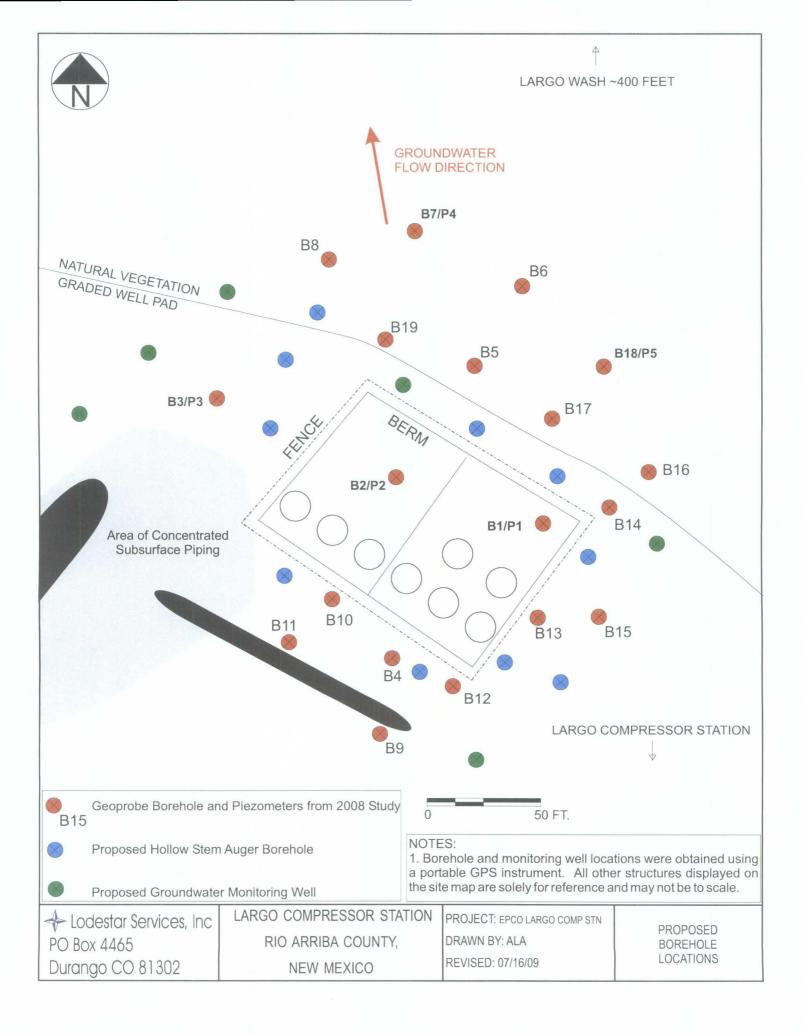
Respectfully Submitted,

David R. Smith, P.G.

/bjm

cc: Brandon Powell, NMOCD Aztec Office Rex Meyer, GeoMonitoring Services

Attachments: Map Showing Proposed Borehole Locations Report on Geoprobe Investigation at Largo Compressor Station



Lodestar Services, Inc. P.O. Box 4465, Durango, CO 81302, 970-946-1093

May 16, 2008

Mr. David Smith Enterprise Products Operating L.P. P. O. Box 4324 Houston, Texas 77210-4324

RE: Enterprise Field Services, LLC - Geoprobe Investigation at Largo Compressor Station

Dear Mr. Smith,

On March 31 though April 4, 2008 Lodestar Services, Incorporated (Lodestar) conducted a geoprobe soil boring investigation at Enterprise Field Services, LLC's (EFS) Largo Station. Largo Station is located in Section 15, Township 26 North, Range 7 West in Rio Arriba County, New Mexico. The purpose of the investigation was to characterize impact to soil and groundwater following overflow from a natural gas condensate storage tank. The release material was gas condensate. The constituents of concern include benzene, toluene, ethylbenzene and xylenes (BTEX), as well as total petroleum hydrocarbons (TPH). Mr. Brandon Powell, of the New Mexico Oil Conservation Division (NMOCD), was present during the site investigation.

Methods

Nineteen soil borings were completed using a Geoprobe 6620-DT track rig, and piezometers were installed at five locations as shown in Figure 1. Work began immediately adjacent to the condensate tank at borehole B-1, and progressed outward in all directions until no evidence of impacted soil was identified.

Soil borings were completed to approximately 20 feet below ground surface. All down-hole GeoprobeTM drilling equipment was thoroughly decontaminated prior to each use. Continuous samples were described, and screening was conducted for volatile aromatic hydrocarbons every two feet and anywhere that soil was stained or had a hydrocarbon odor. Screening was performed with a 10.6 Volt Minirae 2000 photo ionization detector (PID) according to the NMOCD's *Guidelines for Remediation of Leaks, Spills, and Releases, August 13, 1993.* Lithologic logs are attached. Laboratory samples were collected from the bottom of each soil boring and from sections of core containing the highest field screening result. The samples were placed in precleaned glass jars supplied by the laboratory, labeled with the location, date, time, sample technician, and method of analysis, and immediately packed on ice. The samples were shipped to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico via Greyhound Bus following strict chain-of-custody procedures. HEAL analyzed soil samples for BTEX and TPH. Boreholes were plugged with bentonite following completion.

Groundwater was encountered in all soil borings. Temporary one-inch diameter piezometers were installed in five locations representing the center of the impacted area, as well as projected downgradient and cross gradient areas. The wells were constructed of one-inch diameter polyvinyl-chloride (PVC) and included five feet of 0.02-inch machine slotted flush-threaded PVC well screen. A clean 10-20 grade silica sand gravel pack was placed from the bottom of the boring to two feet above the screen. Three-eighths inch natural bentonite chips were set above the gravel pack to the ground surface. Well completion diagrams are attached.

Mr. David Smith May 16, 2008 Page 2 of 2

Depth to water and total depth of the piezometers were measured with a Keck oil/water interface probe. Presence of any free-phase crude oil was also investigated using the interface probe. The interface probe was decontaminated with Alconox[™] soap and rinsed with de-ionized water prior to each measurement. Lodestar developed the wells by purging fluid with a disposable bailer until the pH, specific conductivity and temperature stabilized and turbidity was reduced to the greatest extent possible. Samples were collected by filling three pre-cleaned and pre-preserved 40-milliliter (ml) glass vials with zero headspace to prevent degradation of the sample. The groundwater samples were shipped on ice to HEAL and analyzed for BTEX and TPH according to USEPA methods 8021B and 8015M, respectively. All purge water was disposed into the tank pit on site. Data were recorded on the attached *Well Development and Sampling Logs*.

A local groundwater flow direction was established by surveying the top of casing elevations on each piezometer with a surveyor's level and using a hand-held GPS to determine spacing between wells.

Results

Subsurface soils consisted of unconsolidated silts, sands and clays typical of the Largo Canyon fluvial environment. Adjacent Largo Wash, an ephemeral stream, controls deposition of sediments in the form of stream and overwash deposits within the Largo Wash floodplain. Aeolian deposits were also identified. These sediments consisted of well-sorted sands and silts that interrupt the fluvial sequences. The variable fluvial and aeolian influences contribute to irregular grain sizes and thicknesses of deposits between boreholes.

Soils collected from borings B8, B7, B6, B18, B16, B15, B12, B9, B11 and B3 (the outside perimeter of the study) did not produce high field screening results (less than 50 ppm on the PID) and concentrations of BTEX and TPH in the laboratory samples from these boreholes were not detected. Only soil samples from boreholes taken within the bermed tank area and northeast of the tanks (B1, B2, B5 and B14) contain concentrations of analytes over NMOCD standards. A sample from B10, located just outside the fence on the southwest side of the bermed area, contains recordable amounts of analyzed constituents, but the concentrations are below standards. Table 1 presents field screening and laboratory results. Copies of the complete laboratory reports are attached.

	FIELD SCREENING (ppm)	DRO (mg/Kg)	MRO (mg/Kg)	GRO (mg/Kg)	TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- Benzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)
NMOCD S	tandard				100	10				50
Sample Na	me (Borehole Nu	nber follow	ed by Sam	ple Depth)						
B-1 4'	133.2	240	260	550	1050	ND	ND	1.5	44	45.5
B-1 14.5'	82	ND	ND	6.7	6.7	1.8	ND	0.12	0.25	2.17
B-2 12.5'	85	45	ND	240	285	ND	1.4	0.82	13	15.22
B-2 22'	24.8	ND	ND	7.5	7.5	1.5	ND	ND	0.23	1.73
B-3 21'	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-4 23'	162	ND	ND	ND	ND	0.64	ND	0.19	0.12	0.95
B-5 17.5'	1067	60	67	400	527	1.2	ND	1.7	17	19.9
B-6 18'	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-7 18'	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1: Soil Field Screening and Laboratory Results

Mr. David Smith May 16, 2008 Page 3 of 3

	FIELD SCREENING (ppm)	DRO (mg/Kg)	MRO (mg/Kg)	GRO (mg/Kg)	TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- Benzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)
B-8 18'	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9 21'	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10 10'	50.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10 20'	400	ND	ND	55	55	0.06	ND	0.16	2.3	2.52
B-11 22'	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-12 18.5'	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-12 20'	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-13 10'	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-13 12.5'	8.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-13 20'	38.5	ND	ND	9.8	9.8	0.092	ND	ND	ND	0.092
B-14 5'	17.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-14 17.5'	1062	ND	ND	870	870	6.2	5.5	1.8	18	31.5
B-14 22'	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-15 17.5'	18.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-15 20'	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-16 20'	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-17 17.5'	8.5	ND	ND	ND	ND	0.47	ND	ND	ND	0.47
B-17 20'	12.1	ND	ND	ND	ND	0.069	ND	ND	ND	0.069
B-18 20'	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-19 20'	64.4	ND	ND	ND	ND	ND	ND	ND	ND	ND

NMOCD: New Mexico Oil Conservation Division GRO: Gasoline Range Organics DRO: Diesel Range Organics MRO: Motor Oil Range Organics ND: Not Detected in sample

Groundwater sampling results are presented in Table 2. Samples from P-1 and P-2 contain concentrations of BTEX above New Mexico Water Quality Control Commission (NMWQCC) standards. Groundwater from P-3 is above standards for benzene, but below standards for remaining constituents. Groundwater within downgradient wells P-4 and P-5 does not contain detectable concentrations of BTEX.

	Benzene (µg/L)	Toluene (μg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard	10	750	750	620
Well Name			·	
P-1	5700	2200	310	5500
P-2	15,000	2100	380	4600
P-3	780	13	81	20
P-4	ND	ND	ND	ND
P-5	ND	ND	ND	ND

Table 2: Laboratory Results from Groundwater Samples

NMWQCC: New Mexico Water Quality Control Commission ND: Not Detected in sample µg/L: micrograms per liter

Top of casing elevations were surveyed so that groundwater flow direction could be inferred. Table 3 shows casing and groundwater elevations measured at each well. Figure 2 presents an Mr. David Smith May 16, 2008 Page 4 of 4

inferred groundwater potentiometric surface map, indicating groundwater flow direction is to the north, towards Largo Wash. The groundwater gradient is 0.01 ft/ft.

Well Name	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)
P-1	6113.56	14.24	6099.32
P-2	6119.06	20.04	6099.02
P-3	6120.27	21.59	6098.68
P-4	6117.75	19.85	6097.90
P-5	6118.05	19.55	6098.50

Table 3: Groundwater Elevations

Conclusions

Initial field screening results were confirmed by laboratory data and indicate impacts to soil at the Largo Compressor Station are localized. Soil is impacted within the bermed area from the ground surface to the groundwater table at a depth of approximately 18 feet below ground surface (bgs). Impacted soil extends northeast of the condensate tank approximately 45 feet (near B-5), but is contained within sandy and clay soil units at and below the water table (approximately 17.5 feet bgs and below). Field screening and laboratory analyses of the soil surrounding the bermed area indicate condensate did not extend very far past the fenced area to the east, south and west.

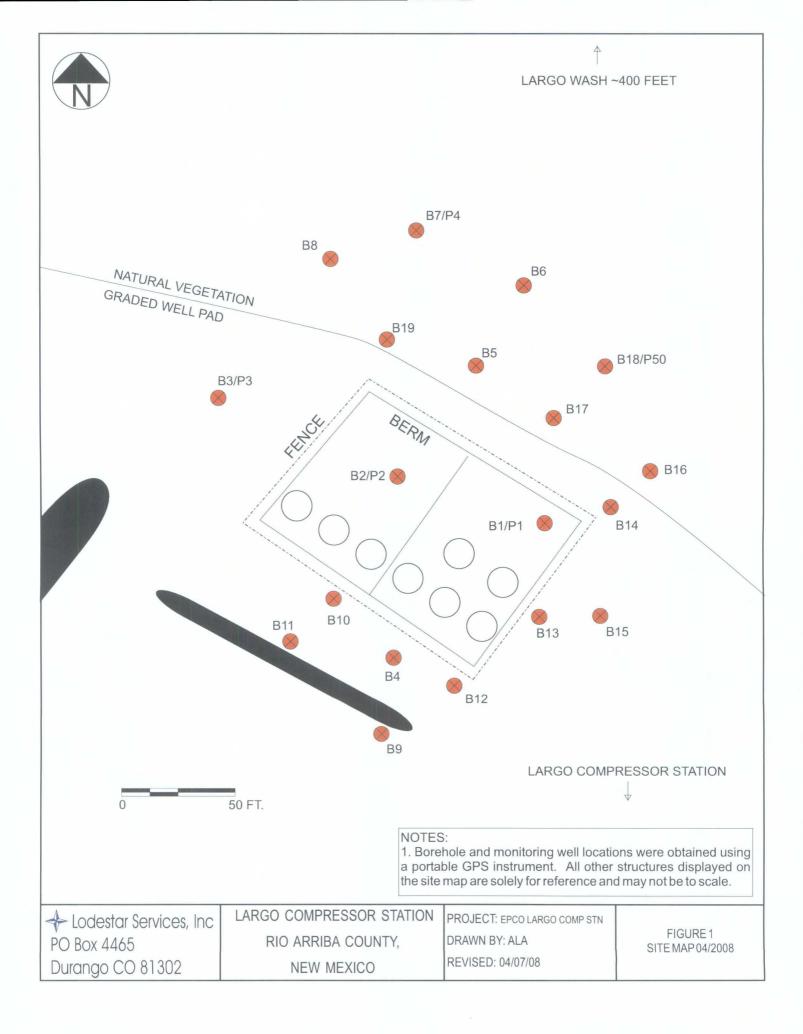
Groundwater immediately beneath the bermed area has been impacted by the tank overflow. Groundwater sampled from piezometers installed downgradient of the site does not contain detectable levels of BTEX or TPH, indicating migration of the condensate along the water table is limited.

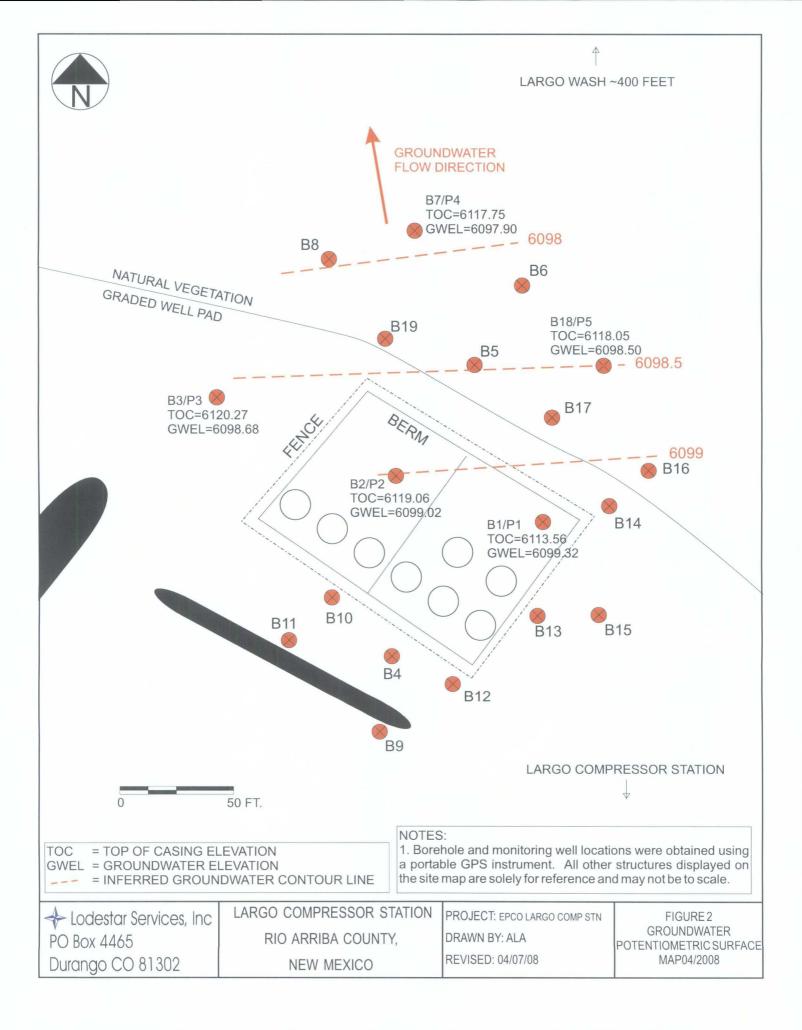
Lodestar is currently evaluating remedial options for this site and will prepare an abatement plan for agency approval within 90 days. Lodestar appreciates the opportunity to conduct the work described in this report. Please contact me at (970) 946-1093 with any questions that may arise.

Sincerely, LODESTAR SERVICES, INC

Ashley L. Ager

- Cc: Rex Meyer, GeoMonitoring Services Don Fernald, EFS Clay Roesler, EPCO file
- Attachments: Figure 1: Site Map Figure 2: Groundwater Pontentiometric Surface Map Soil Boring Lithologic Logs Well Completion Diagrams Well Development and Sampling Logs Laboratory Reports





LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-1		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	pressor S	tation	
Project Location:	Largo Cany	on		

 Borehole Location:
 36° 29.200' N, 107° 33.443' W

 GWL Depth:
 6.5'

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 3/31/2008

 Date Completed:
 3/31/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0 5 5		0-4' 4-8'	Push Core, 29" Push Core, 30"	0-0.2': med. to fine grained, w. sorted brown sand, damp. 0.2-2': grayish brown, med. grained sand, mod. Sorted, some odor, roots. 2-4': grayish brown clay w/some sand content, black staining, damp, occasional gravel content 4-5. /':clay, as above. 5.7-6.08':grayish brown, p. sorted fine sand, sub- rounded, slight odor. 6.08-6.75': black, w.sorted fine sand interbedded with black clay units (<1"), wet. 6.75-8': very black, sandy clay, low odor, graded contact. v.wet at 7.5'.	0' = 2062 2' = 329 4' = 133.2 6' = 125 7' = 66.2 8' = 95.4	Easy, quick penetration Easy, quick penetration
10		8-14.5'	Push Core, 36"	8-13':saturated blackish-gray clay, decaying odor (not HC) .	10' = 89.5 12' = 85 14.5' = 82	Easy, quick penetration
20						

Comments:

Borehole B-1 is located within the bermed area, just south of the tank pit that has leaked.

The tank pit is sunken below normal ground surface. Therefore, top of borehole is approximately 8' below other boreholes.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-2	
	Well #:		
	Page:	1 0	f 1
Project Number:	·		
Project Name:	Largo Comp	ressor Statior)
Project Location:	Largo Canyo	n	

 Borehole Location:
 36° 29.214' N, 107° 33.469' W

 GWL Depth:
 18

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 3/31/2008

 Date Completed:
 3/31/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 22"	0-4': berm gravel to 0.2', then grayish brown sandy clay, dry, heavy black staining near top, but no odor	0' = 5.2 2' = 342 4' = 59.9	Easy, quick penetration
5		4-8'		4-7': grayish brown clay as above. 7-8': alternating layers of black and brown fine sands, slight HC odor and some decaying odor, fine sand, p. sorted, dry	6' = 34 8' = 45.4	Easy, quick penetration
10		8-12'	Push Core, 25"	8-10': interbedded black and brown sands as above. 10-11': brown, sandy clay with some black staining and HC odor. 11-12': brown, well-sorted c. sand, angular, damp.	10' = 255 12' = 85	Easy, quick penetration
15		12-16'	Push Core, 32"	12-15.5': brown, well sorted c. sand as above. 15.5-16': brown sandy clay, wet	14' = 1616 16' = 17.5	Easy, quick penetration
		16-22'	Push Core, 33"	16-20': very black, wet interbedded sand and thin clays. Increasing grain size with depth (fine to med.). 18': saturated grayish black clay 20-22: black clay with minor sand content (<20%)	18' = 2179 20' = 30.8 22' = 24.8	Easy, quick penetration

Comments:

Borehole B-2 is located within the bermed area, but is not below grade. Projected crossgradient from spill.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-3	
	Well #:		
	Page:	1 of	1
Project Number:			
Project Name:	Largo Compr	essor Station	
Project Location:	Largo Canyo	n	

Borehole Location:	<u>36° 29.223' N, 107° 33</u>	.489' W
GWL Depth:	16.5'	
Drilled By:	EarthWorx	
Well Logged By:	ALA	
Date Started:	3/31/2008	
Date Completed:	3/31/2008	

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 20"	0-4': light brown, compacted, hard silt, dry.	0' = 1.5 2' = 1.2 4' = 0.4	Easy, quick penetration
5		4-8'	Push Core, 24"	4-7.5': light brown silt, as above. 7.5-8': light brown med. sand, w. sorted, sub- rounded, dry.	6' = 0.6 8' = 0.9	Easy, quick penetration
10		8-12'	Push Core, 29"	8-12': brown fine sand, mod. sorted, some dark brown clay stringers. Increasing dampness with depth.	10' = 0.6 12' = 1.1	Easy, quick penetration
15		12-16'	Push Core, 34"	12-16: brown fine sand as above	14' = 4.3 16' = 4.2	Easy, quick penetration
		16-21'	Push Core, 36"	16-16.5': brown fine sand as above. 16.5-20': light brown clay, saturated and swollen 20-21': gray clay, saturated, no odor.	18' = 4.0 20' = 4.4 21' = 4.8	Easy, quick penetration

Comments:

B-3 is projected to be cross-gradient of spill.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

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	Project Number:	
	Project Name:	Largo Compressor Station
	Project Location:	Largo Canyon
.469' W		

 Borehole Location:
 36° 29.201' N, 107° 33.469' W

 GWL Depth:
 21

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Borehole #: <u>B-4</u> Well #:

Page:

1 of 1

Sample Type & Depth Sample Sample Recovery Air Monitoring (inches) Sample Description **Drilling Conditions** (feet) Number Interval (ppm) 0 0' = 0.2 Push Core, 0-2': light brown silt, compact and hard, dry. 0-4' 2' = 0.4 Easy, quick penetration 22" 2-4': light brown silt, compact and hard, damp. 4' = 0.5 5 4-6': light brown silt, as above 6' = 0.6 Push Core, 6-6.5': brown clay, friable 4-8' Easy, quick penetration 6.5-8': alternating brown clay and fine sand, light 25" 8' = 0.8 brown, increasing grain size with depth. 10' = 1.9 Push Core, 8-12': brown sand with increasing grain size, fine to 10 8-12' Easy, quick penetration med., p. sorted. 32" 12' = 0.814' = 2.4 Push Core, 12-16': brown sand with increasing grain size, med 12-16' Easy, quick penetration to coarse, p. sorted, damp. 34" 16' = 2.2 - 15 18' = 78.9 Push Core, 16-20': brown sand with increasing grain size, 16-20' Easy, quick penetration 34" coarse to v. coarse, p. sorted, damp. 20' = 248 -20 Push 20-21':v. coarse sand, p. sorted, wet. 20-23' 23 = 162 Easy, quick penetration 21-23": gray silty clay , saturated at 21' Core, 18"

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-5		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	essor	Station	
Project Location:	Largo Canyo	'n		

 Borehole Location:
 36° 29.226' N, 107° 33.460' W

 GWL Depth:
 17.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

[·] Drilling Method: <u>Geoprobe</u> Air Monitoring Method: <u>PID, LEL</u>

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 18"	0-4': light brown, compacted, hard silt, dry.	0' = 0.2 2' = 0.4 4' = 0.4	Easy, quick penetration
5		4-8'	Push Core, 22"	4-8': hard silt as above	6' = 0.7 8' = 0.6	Easy, quick penetration
10		8-12'	Push Core, 30"	8-9': hard silt as above. 9-11.5': tan, p. sorted, m. grained, loose sand, dry. 11.5-12': tan silt, loose, dry.	10' = 0.5 12' = 0.4	Easy, quick penetration
15		12-16'	Push Core, 28"	12-13: tan silt as above. 13-16: tan, med. to fine sand, p. sorted, dry and loose.	14' = 0.7 16' = 0.6	Easy, quick penetration
20		16-17.5'	Push Core, 20"	16-16.5': brown, sandy clay (fine to med. grain sand content), wet just under 20'. 16.5-17.5': med. grained black sand, HC odor, saturated, p. sorted.	17.5' = 1067	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-6	
	Well #:		
	Page:	10	f 1
Project Number:			
Project Name:	Largo Comp	ressor Statior	۱
Project Location:	Largo Canyo	n	

 Borehole Location:
 36° 29.233' N, 107° 33.455' W

 GWL Depth:
 16

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0		0-4'	Push Core, 25"	0-3': light brown, compacted, hard silt, dry, roots. 3-4': light brown, med. sand, w. sorted, dry, roots.	0' = 1.7 2' = 1.3 4' = 1.5	Easy, quick penetration
5		4-8'		4-6': light brown silt, hard, dry. 6-8': light brown fine sand, loose, w. sorted, sub rounded.	6' = 1.8 8' = 1.3	Easy, quick penetration
10		8-12'	Push Core, 31"	8-12': light brown fine sand, loose, w. sorted, sub rounded. Occasional thin layers (<1/2") of med. sand, p. sorted, angular	10' = 1.4 12' = 2.0	Easy, quick penetration
15		12-16'	Push Core, 30"	12-14': brown, sandy silt, damp, p. sorted. 14-15': brown clay, damp. 15-16': brown p. sorted med. sand, wet.	14' = 1.0 16' = 0.8	Easy, quick penetration
		16-18'	Push Core, 16"	16-18': saturated p. sorted brown med. sand, no odor.	18' = 0.6	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-7				
	Well #:	P-4				
	Page:		1 of 1			
Project Number:	-					
Project Name: Largo Compressor Station						
Project Location: I	Largo Canyo	n				

 Borehole Location:
 36° 29.238' N, 107° 33.467' W

 GWL Depth:
 16.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-2': brown, compacted, hard silt, dry. 2-4': v. fine sand, w. sorted, loose and dry.	0' = 1.3 2' = 1.2 4' = 0.8	Easy, quick penetration
5		4-8'	Push Core, 29"	4-4.5': dark brown silt, roots, damp. 4.5-7.5': brown fine sand, w. sorted, loose and dry, with two layers of med. p. sorted sand (<1/2" thick). 7.5-8': laminated brown and dark brown sandy silt.	6' = 1.5 8' = 0.9	Easy, quick penetration
10		8-12'		8-10.5': alternating fine sand and sandy silts. brown, p. sorted, dry. 10.5-12': brown med. sand, p. sorted, angular, dry	10' = 1.1 12' = 0.9	Easy, quick penetration
15		12-16'	Push Core, 31"	12-16': alternating thin layers of silty sand and fine sand, damp, well defined boundaries.	14' = 1.2 16' = 1.5	Easy, quick penetration
		16-18'	Push Core, 18"	16-16.5': brown, c. sand, p. sorted, wet. 16.5-17.5': saturated brown c. sand. 17.5-18': brownish gray clay, saturated, roots, no odor.	18' = 1.0	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location:	36° 29.237' N, 107° 33	.475' W
GWL Depth:	16.5	
Drilled By:	EarthWorx	
Well Logged By:	ALA	
Date Started:	4/1/2008	
Date Completed:	4/1/2008	

Borehole #: B-8 Well #: 1 of 1 Page: Project Number:

Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 28"	0-2': brown, compacted, hard silt, dry. 2-3': brown, compacted, hard silt, damp. 3-4': brown fine silty sand, p. sorted, dry.	0' = 2.0 2' = 6.2 4' = 10.0	Easy, quick penetration
5 		4-8'	Push Core, 31"	4-7.5': brown fine silty sand, p. sorted, dry. 7.5-8': brown fine sand, p. sorted, dry.	6' = 9.6 8' = 2.4	Easy, quick penetration
10		8-12'	Push Core, 30"	8-12': brown med. sand, p. sorted, sub rounded, dry and loose.	10' = 2.5 12' = 2.8	Easy, quick penetration
15		12-16'	Push Core, 31"	12-15': brown med sand as above. 15-16': brown sandy silt, some med and fine content, p. sorted, sub rounded to sub angular, wet.	14' = 2.7 16' = 6.9	Easy, quick penetration
		16-18'	Push Core, 17.5"	16-17': brown sandy silt as above. Saturated at 16.5'. 17-18': brown clay, saturated. 18-18.5': p. sorted, brown c. sand, angular, saturated.	18' = 1.9	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location: 36° 29.193' N, 107° 33.471' W GWL Depth: 20 Drilled By: EarthWorx Well Logged By: ALA Date Started: 4/1/2008 Date Completed: 4/1/2008

Bo	rehole #:	B-9					
	Well #:						
	Page:		1 of 1				
Project Number:							
Project Name: Largo Compressor Station							
Project Location: Lar	go Canyo	on					

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0						
				0-3': light brown, compacted, hard silt, damp.	0' = 1.3	
		0-4'	26"	3-3.5': brown clay, hard and damp. 3.5-4': interbedded fine sand and silt layers that are	2' = 1.8	Easy, quick penetration
				light brown in color, dry and p. sorted.	4' = 1.8	
5			Push Core.	4-8': interbedded fine sand and silt layers as	6' = 1.7	
		4-8'	28"	above.	8' = 1.1	Easy, quick penetration
				8-8.5': interbedded fine sand and silt layers as	10' = 1.2	
10		8-12'	Push Core, 31"	above, 8.5-9': brown med sand, p. sorted, dry. 9-12': brown c. sand, p. sorted, dry, sub angular, varying mineralogies.	12' = 2.3	Easy, quick penetration
					14' = 0.6	
		12-16'	Push Core, 31"	12-16': c. sand as above.		Easy, quick penetration
15					16' = 0.3	
			Push Core	16-16.5': c sand as above. 16.5-17': dark brown med. sand, discoloration, but no odor, p. sorted, angular, damp.	18' = 0.8	
		16-20'	33"	17-17.3': dark brown clay, damp. 17-17.9': brown c. sand, angular, p. sorted, wet. 19-20': brown clay, wet.	20 = 0.5	Easý, quick penetration
20		20-21'	Push Core, 16"	20-21': brown sandy clay, saturated, no odor, black staining, roots.	21 = 0.3	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

 Borehole Location:
 36° 29.205' N, 107° 33.476' W

 GWL Depth:
 19

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

	Borehole #:	B-10				
	Well #:					
	Page:	1 of 1				
Project Number:						
Project Name:	Largo Compressor Station					
Project Location: Largo Canyon						

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 27"	0-1.5': light brown, compacted, hard silt, dry. 1.5-2': brown c. sand, p. sorted, dry. 2-4': brown sandy clay ,damp, black staining, no odor.	0' = 1.2 2' = 13.7 4' = 54.5.	Easy, quick penetration
5		4-8'	Push Core, 30"	4-8': tan med. sand, p. sorted, dry loose.	6' = 44.4 8' = 3.0	Easy, quick penetration
10		8-12'	Push Core, 31"	8-8.5': tan med. sand as above. 8.5-11': brown sandy silt, iron staining, dry, loose. 11-12': brown med. to c. sand, p. sorted, angular, dry.	10' = 50.8 12' = 8.6	Easy, quick penetration
15		12-16'	Push Core, 31"	12-15.5': dark brown c. to v. c. sand, increasing g.s. w/depth, p. sorted, iron staining, angular. 15.5-15.75': dark brown clay, damp. 15.75-16': brown med. sand, p. sorted, damp.	14' = 20.5 16' = 8.8	Easy, quick penetration
		16-20'	Push Core, 31"	16-17.5': black sandy silt, damp. 17.5-18': black fine sand, wet, w. sorted. 18-19': brown clay, wet. 19-20': gray med. sand, p. sorted, saturated.	18.5' = 77.2 20 = 400	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-11			
	Well #:				
	Page:		1 of 1		
Project Number:					
Project Name:	Largo Compressor Station				
Project Location:	Largo Canyo	n			

 Borehole Location:
 36° 29.201' N, 107° 33.481' W

 GWL Depth:
 20.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/1/2008

 Date Completed:
 4/1/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 22"	0-4': light brown, compacted, hard silt, damp.	0' = 2.1 2' = 1.0 4' = 0.8	Easy, quick penetration
5 		4-8'	Push Core, 28"	4-7.5': hard silt as above. 7.5-8': brown fine sand, w. sorted, damp.	6' = 0.5 8' = 0.8	Easy, quick penetration
10		8-12'	Push Core, 30"	8-8.25': brown fine sand as above. 8.25-12': brown, c. sand, p. sorted, varying mineralogies, angular, damp.	10' = 1.1 12' = 0.6	Easy, quick penetration
15		12-16'	Push Core, 30"	12-16': brown c. sand as above, some iron staining.	14' = 0.8 16' = 0.9	Easy, quick penetration
		16-20'	Push Core, 31"	16-17.5': brown clay, wet. 17.5-20': brown clay with some gray and black staining, no odor.	17.5' = 1.2 20 = 1.0	Easy, quick penetration
20		20-22'	Push Core, 21"	20-20.5': brown clay with staining as above. 20.5-22':brown clay, saturated.	22 = 1.8	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-12				
	Well #:					
	Page:		1 of 1			
Project Number:						
Project Name:	Largo Comp	_argo Compressor Station				

Project Location: Largo Canyon

Borehole Location: 36° 29.197' N, 107° 33.463' W GWL Depth: 18.5 Drilled By: EarthWorx Well Logged By: ALA Date Started: 4/2/2008 Date Completed: 4/2/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-2': light brown, compacted, hard silt, damp. 2-4': brown silty clay, wet.	0' = 1.4 2' = 0.5 4' = 0.8	Easy, quick penetration
5		4-8'		4-4.5': silty clay as above. 4.5-8': brown fine sand, w. sorted, sub rounded, dry.	6' = 0.5 8' = 0.4	Easy, quick penetration
10		8-12'	Push Core, 31"	8-11.5': fine sand as above. 11.5-12': brown, c. sand, p, sorted dry.	10' = 0.4 12' = 0.4	Easy, quick penetration
 15		12-16'	Push Core, 29"	12-16': brown sand as above, increasing grain size w/ depth until v. coarse grain size at 16', varying mineralogies, subrounded, iron staining.	14' = 0.6 16' = 0.3	Easy, quick penetration
		16-20'	Push Core, 30"	16-17': c. sand as above, damp. 17-18.5': brown clay, wet. 18.5-20: brown med. sand, discolored with dark brownish gray staining, no odor, organic material, saturated.	18.5' = 0.2 20 = 0.7	Easy, quick penetration

Comments:

Geologist Signature: Ashley Ager

X.

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole #:	B-13				
Well #:					
Page:	1 of 1				
Project Number:					
Project Name: Largo Compressor Station					

Project Location: Largo Canyon

 Borehole Location:
 36° 29.204' N, 107° 33.457' W

 GWL Depth:
 19

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 30"	0-0.5': light brown, compacted, hard silt, damp. 0.5-1': light brown med. to c sand, p. sorted, dry. 1-4': dark brown clay, damp.	0' = 1.3 2' = 2.4 4' = 18.6	Easy, quick penetration
5		4-8'	Push Core, 32"	4-5': dark brown clay as above. 5-5.5': light brown silty sand, fine grained, w. sorted, dry. 5.5-8': dark brown med. sand, some silt content, p. sorted, dry, minor black staining at 5.5-6', no odor.	5.5' = 25.2 7.5' = 7.7	Easy, quick penetration
10		8-12'		8-8.5': dark brown sand as above. 8.5-10': brown clay with interbedded med grained sand layers, dry. 10-11.5': grayish brown clay, wet. 11.5-12': grayish brown med. grained sand, wet.	10' = 7.2	Easy, quick penetration
15		12-16'	Push Core, 31"	12-13': grayish brown med. to c. sand, some dark brown staining. 13-15': black fine sand, w. sorted, no odor, wet. 15-16': brownish gray wet clay.	12.5 = 8.2 15' = 46.2	Easy, quick penetration
20		16-20'	Push Core, 32"	16-16.5': brownish gray clay as above. 16.5-19': blackish brown clay, HC odor, wet. 19-20': grayish brown saturated clay, roots.	17.5' = 12.2 20 = 38.5	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-14		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor	Station	

Project Location: Largo Canyon

 Borehole Location:
 36° 29.211' N, 107° 33.451' W

 GWL Depth:
 17

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0						
		0-4'	Push Core, 29"	0-1.5': light brown, compacted, hard silt, damp. 1.5-4': brown clay, wet.	0' = 1.6 2' = 8.5	Easy, quick penetration
5		4-8'	Push Core,	 4-4.5': brown fine sand, w. sorted, damp. 4.5-6': dark brown sand silt, damp. 6-8': brown fine sand, p. sorted, interbedded with thin clay layers, damp. 	5' = 17.5 7.5' = 110	Easy, quick penetration
10		8-12'	Push Core, 30"	8-12': interbedded sands and clays as above.	10' = 13.2 12 = 14.1	Easy, quick penetration
15		12-16'	Push Core, 31"	12-14': interbedded sands and clays as above. 14-16': brown clay, wet.	14 = 25.2 16' = 28.9	Easy, quick penetration
		16-20'	Push Core, 32"	16-17': brown clay, wet. 17-17.5': thin, black med. sand layer, no odor, saturated. 17.5-19.5': grayish brown clay, saturated. 19.5-20': brown clay, saturated.	17.5' = 1062 20 = 33	Easy, quick penetration
20		20-22'	Push Core, 12'	20-22': grayish brown clay, saturated, some HC odor, roots.	22 = 3.4	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Borehole #:	B-15		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor S	Station	
Project Location:	Largo Canyo	n		

 Borehole Location:
 36° 29.204' N, 107° 33.450' W

 GWL Depth:
 18

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: <u>Geoprobe</u> Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 22"	0-4': light brown, compacted, hard silt, damp.	2' = 1.0 4 = 8.9	Easy, quick penetration
5		4-8'	Push Core, 29"	4-7.5': light brown silt as above. 7.5-8': brown, med. sand, p. sorted, dry.	6 = 5.5 8 = 2.1	Easy, quick penetration
10		8-12'		8-8.5': brown med sand as above. 8.5-10.5': light brown silt, dry, loose. 10.5-12': brown, silty fine sand, p. sorted, damp.	10' = 3.0 12 = 1.8	Easy, quick penetration
15		12-16'	Push Core, 31"	12-13.5': brown silty sand as above. 13.5-15': brown, silty clay, damp. 15-16': brown silty clay, wet.	14 = 0.5 16' = 10.8	Easy, quick penetration
		16-20'	Push Core, 29"	16-18': brown silty clay, wet. 18-20': brown silty sand, saturated, no odor.	17.5' = 18.8 20 = 2.1	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

 Borehole Location:
 36° 29.213' N, 107° 33.445' W

 GWL Depth:
 18

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

	Borehole #:	B-16		
	Well #:			
	Page:		1 of 1	
Project Number:				
Project Name:	Largo Comp	ressor	Station	
				-

Project Location: Largo Canyon

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'	Push Core, 25"	0-4': light brown, compacted, hard silt, damp.	2' = 1.4 4 = 1.0	Easy, quick penetration
5 		4-8'		4-6.5': light brown silt as above. 6.5-8': brown silty fine sand, p. sorted.	6 = 0.8 8 = 0.3	Easy, quick penetration
10		8-12'	Push Core, 28"	8-11.5': brown fine sand, w. sorted, iron staining, roots. 11.5-12': brown med. sand, p. sorted, iron staining, damp.	10' = 5.8 12 = 4.8	Easy, quick penetration
15		12-16'	Push Core, 29"	12-13': brown med. sand as above. 13-14': brown fine sand, p. sorted, damp. 14-16': brown sandy clay, damp. c. sand lens (<1/2" thick) at 15.5'.	14 = 1.8 16' = 2.5	Easy, quick penetration
20		16-20'	Push Core, 32"	16-16.5': brown sandy clay as above. 16.5-19.5: brown clay, saturated. 19.5-20': grayish brown clay, saturated.	18' = 3.8 20 = 1.6	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

	Well #:			
	Page:		1 of 1	
Project Number:	•			
Project Name:	Largo Compi	ressor S	Station	
Project Location:	Largo Canyo	n		

Borehole #: B-17

 Borehole Location:
 36° 29.220' N, 107° 33.453' W

 GWL Depth:
 17

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0 0		0-4'	Push Core, 27"	0-4': light brown, compacted, hard silt, damp.	2' = 1.3 4 = 0.8	Easy, quick penetration
5 		4-8'	Push Core, 29.5"	4-7': light brown silt as above. 7-7.5': brown med sand, w. sorted, dry, loose. 7.5-8': brown fine sand, w. sorted, dry, loose.	6 = 0.5 8 = 0.6	Easy, quick penetration
10		8-12'	Push Core, 29"	8-8.75': light brown sandy silt, hard, dry. 8.75-12': brown fine sand, w. sorted, dry, loose.	10' = 0.8 12 = 2.2	Easy, quick penetration
<u>, </u>		12-16'	Push Core, 30"	12-13.5': brown fine sand as above. 13.5-15.5': brown sandy clay, damp. 15.5-16': brown clay, wet.	14 = 3.7 16' = 5.2	Easy, quick penetration
		16-20'	Push Core, 32"	16-16.5': brown clay, wet. 16.5-17': black sandy clay, HC odor. 17-17.5': black med. sand, p. sorted, saturated, HC odor. 17.5-19': grayish brown clay, saturated, roots. 19-20': brown med sand, p. sorted, saturated.	17.5' = 8.5 18' = 6.3 20 = 12.1	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

Borehole Location:	36º 29.226' N, 107º 33	.446' W
GWL Depth:	16.5	
Drilled By:	EarthWorx	
Well Logged By:	ALA	
Date Started:	4/2/2008	
Date Completed:	4/2/2008	

	Borehole #:	B-18		
	Well #:	P-5		
	Page:		1 of 1	
Project Number:	-			
· · · · · · ·				

Project Name: Largo Compressor Station Project Location: Largo Canyon

Drilling Method: Geoprobe Air Monitoring Method: PID, LEL

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring (ppm)	Drilling Conditions
0		0-4'		0-3.5': light brown, compacted, hard silt, damp. 3.5-4': brown fine sand, w. sorted, dry, loose.	2' = 3.6 4 = 1.5	Easy, quick penetration
5 		4-8'		4-4.5': brown fine sand as above. 4.5-8': light brown compacted hard silt, damp.	6 = 1.6 8 = 1.1	Easy, quick penetration
10		8-12'	Push Core, 29"	8-9': light brown hard silt as above. 9-12': fine to med. sand, mod. sorted, light brown, dry.	10' = 1.7 12 = 0.7	Easy, quick penetration
15		12-16'	Push Core, 30"	12-13.5': light brown med. sand as above. 13.5-15.75': brown sandy clay, roots. 15.75-16': brown med. sand, p. sorted, iron staining, damp.	14 = 1.2 16' = 5.4	Easy, quick penetration
20		16-20'	Push Core, 32"	16-16.5': brown med sand as above, wet. 16.5-17.5': brown c. sand, p. sorted, saturated. 17.5-18': grayish brown clay. 18-20': brown c. sand, p. sorted, saturated.	17.5' = 1.4 18' = 1.1 20 = 2.2	Easy, quick penetration

Comments:

LodeStar Services P.O. Box 4465 Durango, CO 81302 970-946-1093

hole #:	B-19			
Well #:				
Page:		1 of 1		
Project Name: Largo Compressor Station				
Canyo	n			
	Well #: Page:	Page:	Well #: Page: <u>1 of 1</u> O Compressor Station	

 Borehole Location:
 36° 29.228' N, 107° 33.470' W

 GWL Depth:
 16.5

 Drilled By:
 EarthWorx

 Well Logged By:
 ALA

 Date Started:
 4/2/2008

 Date Completed:
 4/2/2008

Drilling Method	I: Geoprobe
Air Monitoring Method	I: PID, LEL

Sample Type & Depth Air Monitoring Sample Sample Recovery (feet) Number Interval (inches) Sample Description (ppm) **Drilling Conditions** n 2' = 0.3 Push Core, 0-4': light brown, compacted, hard silt, damp. 0-4' Easy, quick penetration 27" 4 = 0.3 5 6 = 1.5 Push Core, 4-6': light brown silt as above. 6-7': brown, fine sand, w. sorted, loose, dry. 4-8' Easy, quick penetration 29.5" 7-8': brown, med. sand, w. sorted, loose, dry. 8 = 2.1 10' = 0.9 Push Core, 8-12': light brown silt grading to c. sand, w. sorted, 10 8-12' Easy, quick penetration increasing grain size with depth. 29" 12 = 0.7 14 = 0.612-14.5': interbedded c. and med. sands, p. sorted, Push Core. 12-16' Easy, quick penetration damp. 16' = 1.5 30" 14.5-16': brown clay, wet at 15'. 15 17.5' = 2.8 16-16.5': brown clay as above. 16.5-17': dark brown c. sand, p. sorted, saturated. Push Core, 16-20' 17-19': brownish gray clay, saturated. Easy, quick penetration 32" 19-20': brown c. sand, p. sorted, saturated with roots. 20 = 64.420

Comments:

MONITORING WELL INSTALLATION RECORD

36° 29.200' N, 107° 33.443' W

03/31/08/; 1318

6384'

Date/Time Completed 03/31/08; 1355

EarthWorx Louis Trujillo

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Well Location GWL Depth Installed By

Date/Time Started

Borehole #	B-1
Well #	P-1
Page 1	of 1

Project Name	Largo Compressor Station		
Project Number	Cost Code		
Project Location	Largo Canyon		

Ashley Ager
Brandon Powell, NMOCD
Louis Trujillo
Don Fernald, EPCO

Depths in Reference t	o Ground Surface					
Item	Material	Depth (feet)			Top of Protective Casing	<u>NA</u>
Top of Protective Casing		NA			Top of Riser	<u>2.8'</u>
Bottom of Protective Casing Top of Permanent Borehole Casing		NA NA			Ground Surface	<u>0</u>
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		2.8'				
Bottom of Well Riser		-14.5'				
Top of Well Screen		-9.5'		000	Top of Seal	<u>0</u>
Bottom of Well Screen		-14.5'		000		
Top of Peltonite Seal		0		000		
Bottom of Peltonite Seal		-7'	∞	$\overline{\infty}$	Top of Gravel Pack	<u>-7'</u>
Top of Gravel Pack		-7'			Top of Screen	<u>-9.5'</u>
Bottom of Gravel Pack		-14.5'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA	E			
Top of Groundwater		-13.15'			Bottom of Screen	<u>-14.5'</u>
Total Depth of Borehole		-14.5'	Law 2	28 (.) - <u>(.</u>	Bottom of Borehole	<u>-14.5'</u>

Comments: ____well is a piezometer installed near tank pit within bermed area.

36° 29.214' N, 107° 33.469' W

03/31/08/; 1452

6133'

-19.52

Date/Time Completed 03/31/08; 1515

EarthWorx Louis Trujillo

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Elevation

Well Location GWL Depth

Installed By

Date/Time Started

Borehole #	B-2		
Well #	P-2		
Page 1	of	1	

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon

Ashley Ager
Brandon Powell, NMOCD
Louis Trujillo
Don Fernald, EPCO

Depths in Reference to	Ground Surface				
Item	Material	Depth (feet)		Top of Protective Casin	g <u>NA</u>
Top of Protective Casing		NA		Top of Riser	<u>3.2'</u>
Bottom of Protective CasingTop of Permanent BoreholeCasingBottom of Permanent BoreholeCasing		NA NA NA		Ground Surface	<u>0</u>
Top of Concrete		NA			
Bottom of Concrete		NA			
Top of Grout		NA			
Bottom of Grout		NA			
Top of Well Riser		3.2'			
Bottom of Well Riser		-21'			
Top of Well Screen		-16'		Top of Seal	<u>0</u>
Bottom of Well Screen	· · · · ·	-21'			
Top of Peltonite Seal		0			
Bottom of Peltonite Seal		-14'	∞	Top of Gravel Pack	<u>-14'</u>
Top of Gravel Pack		-14'		Top of Screen	<u>-16'</u>
Bottom of Gravel Pack		-21'			
Top of Natural Cave-In		NA			
Bottom of Natural Cave-In		NA			
Top of Groundwater		-19.5'		Bottom of Screen	<u>-21'</u>
Total Depth of Borehole		-21'	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bottom of Borehole	<u>-21'</u>

Comments: <u>well is a piezometer installed within bermed area.</u>

Geologist Signature Ashley Ager

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Boreho	le #	B-3	
Well #		P-3	
Page _	1	of	1

Project Name	Largo Compressor Station
Project Number	Cost Code
Project Location	Largo Canyon
On Site Geologist	Ashlay Ager

On-Site Geologist	Ashley Ager
Personnel On-Site	
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	Don Fernald, EPCO

6116'
36° 29.223' N, 107° 33.489' W
-18
EarthWorx
Louis Trujillo
d 03/31/08/; 1602
leted 03/31/08; 1628

Depths in Reference to	Ground Surface					
Item	Material	Depth (feet)	F		Top of Protective Casing	g <u>NA</u>
Top of Protective Casing		NA			Top of Riser	<u>3.0'</u>
Bottom of Protective Casing		NA			Ground Surface	<u>0</u>
Top of Permanent Borehole Casing		NA				
Bottom of Permanent Borehole Casing		NA				
Top of Concrete		NA				
Bottom of Concrete		NA				
Top of Grout		NA				
Bottom of Grout		NA				
Top of Well Riser		3.0'				
Bottom of Well Riser		-21'				
Top of Well Screen		-16'	∞	∞	Top of Seal	<u>0</u>
Bottom of Well Screen		-21'	\sim			
Top of Peltonite Seal		0	\sim			
Bottom of Peltonite Seal		-14'	$\overline{\infty}$	\mathbf{x}	Top of Gravel Pack	<u>-14'</u>
Top of Gravel Pack		-14'			Top of Screen	<u>-16'</u>
Bottom of Gravel Pack		-21'				
Top of Natural Cave-In		NA				
Bottom of Natural Cave-In		NA	15.84 1935 -			
Top of Groundwater		-18'	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Bottom of Screen	<u>-21'</u>
Total Depth of Borehole		-21'		. 9 TH T.	Bottom of Borehole	<u>-21'</u>

Comments: well is a piezometer installed within bermed area.

Geologist Signature <u>Askley Ager</u>

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

Borehole #	B-7		
Well #	P-4		
Page 1	of	1	

Project Name Project Number	Largo Compressor Station Cost Code	
Project Location	Largo Canyon	
On-Site Geologist	Ashlev Ager	

Elevation	36° 29.228' N, 107° 33.467' W
Well Location	6120'
GWL Depth	-18
Installed By	EarthWorx
	Louis Trujillo
Date/Time Started	04/01/08; 1209
Date/Time Compl	eted 04/01/08; 1235

On-Site Geologist Ashley Ager Personnel On-Site Contractors On-Site Louis Trujillo Client Personnel On-Site

Depths in Reference to	Ground Surface				i
Item	Material	Depth (feet)		Top of Protective Casi	ing
Top of Protective Casing		NA		Top of Riser	
Bottom of Protective Casing		NA		Ground Surface	
Top of Permanent Borehole		NA			
Casing Bottom of Permanent Borehole Casing		NA		•	
Top of Concrete		NA			
Bottom of Concrete		NA			
Top of Grout		NA			
Bottom of Grout		NA			
Top of Well Riser		3.3'			
Bottom of Well Riser		-18.5'			
Top of Well Screen		-13.5'		🗙 Top of Seal	
Bottom of Well Screen		-18.5'		x	
Top of Peltonite Seal		0			
Bottom of Peltonite Seal		-11.5'	ୁ ରୁଦ୍ଧ ତି	Top of Gravel Pack	
Top of Gravel Pack		-11.5'		Top of Screen	
Bottom of Gravel Pack		-18.5'		977 - 294 2016 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 -	
Top of Natural Cave-In		NA			
Bottom of Natural Cave-In		NA		 A A	
Top of Groundwater		-16.5'		Bottom of Screen	
Total Depth of Borehole		-18.5'	1	Bottom of Borehole	

Comments:

Geologist Signature <u>Ashley Ager</u>

Lodestar Services, Inc PO Box 4465 Durango, CO 81302 (970) 946-1093

	Borehole #	B-18					
	Well #	P-5					
	Page 1	of	1				
Project Name	Largo Compressor Stat	ion					
Project Number	Cost Code						

Elevation	36° 29.226' N, 107° 33.446' W
Well Location	6122
GWL Depth	-16.5
Installed By	EarthWorx
-	Louis Trujillo
Date/Time Started	04/02/08; 1345
Date/Time Comple	eted 04/02/08; 1420

On-Site Geologist	Ashley Ager
Personnel On-Site	
Contractors On-Site	Louis Trujillo
Client Personnel On-Site	

Project Location Largo Canyon

Depths in Reference to	Ground Surface				
Item	Material	Depth (feet)		Top of Protective Casing	<u>NA</u>
Top of Protective Casing		NA		Top of Riser	<u>3.1'</u>
Bottom of Protective Casing Top of Permanent Borehole		NA NA		Ground Surface	<u>0</u>
Casing Bottom of Permanent Borehole Casing		NA			
Top of Concrete		NA			
Bottom of Concrete		NA			
Top of Grout		NA			
Bottom of Grout		NA			
Top of Well Riser		3.1'			
Bottom of Well Riser		-20'			
Top of Well Screen		-15'	∞	Top of Seal	<u>0</u>
Bottom of Well Screen		-20'	000		
Top of Peltonite Seal		0			
Bottom of Peltonite Seal		-13'	∞	Top of Gravel Pack	<u>-13'</u>
Top of Gravel Pack		-13'		Top of Screen	<u>-15'</u>
Bottom of Gravel Pack		-20'			
Top of Natural Cave-In		NA			
Bottom of Natural Cave-In		NA			
Top of Groundwater		-16.5'		Bottom of Screen	<u>-20'</u>
Total Depth of Borehole		-20'		Bottom of Borehole	<u>-20'</u>

Comments:

Geologist Signature <u>Ashley Ager</u>

Project No.:_		Proje	ect Name:	Largo Co	mpress	sor Sta	tion	Client	GMO		
Location: La	rgo Com	pressor Station		Devel	opment <u>Sampling</u>						
									Weather sunny, 57F		
-									uring Point <u>TOC</u>		
-		t_ <u>2.64'</u> Well							<u></u>		
	in rieigin	<u></u>		<u> </u>							
Sampling Me	ethod: Su	ubmersible Pum	p 🗌	Centrifu	gal Pun	np 🗆	Peristaltic	Pump 📋	Other		
	Bo	ottom Valve Bail	er x	Double (Check \	Valve I	Bailer □ St	ainless-Stee	el Kemmerer		
Criteria: 3 t	to 5 Casir	ng Volumes of V	Vater Rem	noval X is	tabilizat	tion of	Indicator Par	ameters X	Other <u>or bail dry</u>		
			v	Vater Volu	ime in \	Nell					
Gal/ft x ft			Gallons			0	unces	Ga	I/oz to be removed		
0.01 >	(2.64					3.	38 x 3		10.1		
	···· ·· ·										
Time		SC	Tama	ORP			Turbidity	Vol Evac.	Comments/		
Time (military)	pH (su)	(umhos/cm)	Temp (°C)	(millivol		D.O. ng/L)	Turbidity (NTU)	(oz)	Flow rate		
	· · · · -					ig,∟)	(1110)				
1458	6.23	4220	18.0					6	Blackcolor, sheen, El odor		
	6.20	4580	17.2					10	Blackcolor, sheen, 8		
									odor		
	6.24	4620	16.9					15	Blackcolor, sheen, 8		
									odor		
	6.25	4690	16.6					20	Blackcolor, sheen, B		
	6.26	4710	16.5	-				25	odor, bailing down Blackcolor, sheen, B		
	0.20	4710	10.5					odor, bailing down			
				_					_		
					1						
4											

Final:					, , ,		1 i i i i i i i i i i i i i i i i i i i	,
Time	рН	SC	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comments/Flow Rate
<u>1532</u>	6.26	4710	16.5				25 oz	Blackcolor, sheen, B
			A A A A A A A A A A A A A A A A A A A	· · · ·				odor

COMMENTS:

INSTRUMENTATION: pH N	Aeter X	Те	mperature Meter x
D	O Monitor	Of	ther
Conductivit	y Meter X		
Water Disposal <u>On site</u>	Sample	ID_ <u>P-1</u>	Sample Time 1536
<u>BTEX</u> VOCs Alkalinity TDS	Cations Anions	Nitrate Nitrite Ammonia TK	IN NMWQCC Metals Total Phosphorus
CHCs			
MS/MSD	BD	BD Name/Time	TB_04042008TB01

Location: <u>La</u> Project Mana Depth to Wa	ager ter2		th to Produ	Well No: Date <u>04</u> ict <u>na</u>	P-2 /04/08	Start Time	<u>Devel</u> 1539	<u>GMO</u> opment Sampling Weather <u>sunny, 57F</u> uring Point <u>TOC</u>	
Sampling Me	ethod: Si	ubmersible Pum	nb 🗖	Centrifuga	Pump 🛛	Peristaltic	Pump 🔲	Other	
Criteria: 3 t	Bottom Valve Bailer x Double Check Valve Bailer Stainless-Steel Kemmerer								
	<i>.</i> .			Vater Volum					
Gal/ft x ft 0.01 x			Gallons			unces 74 x 3	Gal/oz to be removed 11.2		
0.01 x							11.2		
								-	
Time (military)	pH (su)	SC (umhos/cm)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. (oz)	Comments/ Flow rate	
1542	6.33	16,440	16.6				8	Blackcolor, sheen, El odor	
	6.30	16,080	16.2				14	Blackcolor, sheen, B odor	
	6.28	15,850	16.0				20 Blackcolor, sheen, E odor		
	6.24	15,550	16.2				25	Blackcolor, sheen, B odor, bailing down	
	6.22	15,690	16.2				28	Blackcolor, sheen, B odor, bailing down	

Final:								
Time	рН	SC	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comments/Flow Rate
<u>1550</u>	6.22	15,690	16.2				28 oz	Blackcolor, sheen, 8
								odor

COMMENTS:

leter X	Tem	perature Meter x
D Monitor	Oth	er
/ Meter X		
Sample	ID_ <u>P-2</u>	Sample Time_1552
Cations Anions	Nitrate Nitrite Ammonia TKN	NMWQCC Metals Total Phosphorus
BD	BD Name/Time	TB 04042008TB01
	D Monitor Meter X Sample Cations Anions	D Monitor Other Meter X Sample ID_P-2 Cations Anions Nitrate Nitrite Ammonia TKN

Project No.:_						ation		: <u>_GMO</u>
		pressor Station						<u>opment</u> <u>Sampling</u>
-		· · · —						Weather <u>sunny, 57F</u>
Depth to Wa	ter <u>2</u>	<u>1.59'</u> Dep	th to Produ	ct_ <u>na</u>	Product T	hickness <u>na</u>	a Measi	uring Point <u>TOC</u>
Water Colum	nn Height	t <u>2.94'</u> Wel	l Dia	1"				
Sampling Me	ethod: Si	ubmersible Purr	ם מו	Centrifugal	Pump 🛛	Peristaltic	Pump 📋	Other
	Во	ottom Valve Bai	ler x	Double Che	ck Valve I	Bailer 🛛 🛛 St	ainless-Stee	el Kemmerer
Criteria: 3 t	to 5 Casii	ng Volumes of V	Water Rem	oval X stabi	lization of	Indicator Par	ameters X	Other <u>or bail dry</u>
			W	/ater Volume	in Well			
Gal/ft x ft		,	Gallons			Ounces	Ga	al/oz to be removed
0.01 >	(2.94				3.	.76 x 3		11.3
Time	pН	SC	Temp	ORP	D.O.	Turbidity	Vol Evac.	Comments/
(military)	(su)	(umhos/cm)	(°C)	(millivolts)	(mg/L)	(NTU)	(oz)	Flow rate
1553	6.58	18,430	16.5				6	Brown color, silty, slight odor
	6.52	18,250	16.1				12	Brown color, silty, slight odor
	6.50	17,490	15.9				16	Brown color, silty, slight odor, bailing down
	6.52	17,440	16.1				20	Brown color, silty, bailing down
· · · · · · · ·								
	1	L	L .		<u>I</u>	<u> </u>		
Final:			e deter state en la seconda de la second Seconda de la seconda de la			and a set of the set o		· · · · · · · · · · · · · · · · · · ·
Time	рН	SC	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comments/Flow Rate
<u>1556</u>	6.52	17,440	16.1				20 oz	Brown color, silty, slight odor, well has bailed dry.
· · · · · ·		•	·	· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • •	·	
COMMENTS	S: well ba	iled dry while p	urging.				·	

INSTRUMENTATION: PHI	vieter X		Temperature Meter x
D	O Monitor		Other
Conductivit	y Meter X	<u>_</u>	
Water Disposal <u>On site</u>	Sample	ID_ <u>P-3</u>	Sample Time <u>1557</u>
<u>BTEX</u> VOCs Alkalinity TDS	Cations Anions	Nitrate Nitrite Ammon	ia TKN NMWQCC Metals Total Phosphorus
CHCs			
MS/MSD	BD	BD Name/Time	TB_04042008TB01

Project No.:	Project Name:_	Largo Com	pressor Stati	on	Client:_	<u>GMO</u>	
Location: Largo Compressor Sta	<u>ation</u>	Well No:	<u>P-4</u>		<u>Develo</u>	pment	<u>Sampling</u>
Project ManagerAshley Age	er	Date 04	4/04/08	Start Time_	1522	Weathe	er <u>sunny, 57F</u>
Depth to Water <u>19.85</u>	Depth to Produc	ct <u>na</u>	Product Thie	ckness <u>na</u>	Measur	ring Poin	t_TOC
Water Column Height <u>1.87'</u>	Well Dia.	1"					
Sampling Method: Submersible	Pump 🗌	Centrifuga	ll Pump 🛛	Peristaltic P	ump 🔲	Other	

Bottom Valve Bailer x Double Check Valve Bailer Stainless-Steel Kemmerer

Criteria: 3 to 5 Casing Volumes of Water Removal X stabilization of Indicator Parameters X Other <u>or bail dry</u>

	Water Volu		
Gal/ft x ft of water	Gallons	Ounces	Gal/ oz to be removed
0.01 x 1.87		2.39 x 3	7.2

Time (military)	pH (su)	SC (umhos/cm)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. (oz)	Comments/ Flow rate	
1558	6.54	15,870	17.0				6	Brown color, cloudy	silty,
	6.52	15,020	16.8				12		silty,
	6.50	14,950	16.5				16	Brown color, cloudy, bailing dow	silty, wn
			· · · · · ·						

Final:		م المراجع الم الم الم الم الم أسمية الم ماري		, ·				
Time	рН	SC	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comments/Flow Rate
<u>1603</u>	6.50	14,440	16.7				20 oz	Brown color, silty,
	· •						an National State	cloudy, well has bailed
	ŕ							dry

COMMENTS: well bailed dry while purging.

INSTRUMENTATION: pH M	leter X	Temperature Meter x					
DC	D Monitor	Ot	ther				
Conductivity	/ Meter X						
Water Disposal <u>On site</u>	Sample	ID_P-4	Sample Time 1604				
<u>BTEX</u> VOCs Alkalinity TDS	Cations Anions	Nitrate Nitrite Ammonia TK	N NMWQCC Metals Total Phosphorus				
CHCs							
MS/MSD	BD	BD Name/Time	TB_04042008TB01				

Draigat Na i		Brok	oot Nomo:	Lorgo Com	anroosor St	otion	Client	· CMO		
Project No.:_						ation		: <u>GMO</u>	 `	_
		pressor Station						opment S		-
		Ashley Ager				Start ⊺ime		-	_	<u> 07F</u>
		9.55' Dep			Product T	hickness <u>na</u>	a Measi	uring Point	_TOC_	
Water Colun	nn Height	t_ <u>2.92'</u> _Well	Dia	1"						
Sampling Me	ethod: Si	ubmersible Pum	np 🗖	Centrifuga	al Pump 🛛	Peristaltic	Pump 📋	Other]	
	Bo	ottom Valve Bai	ler x	Double Cl	heck Valve	Bailer 🛛 🛛 St	tainless-Stee	el Kemmere	er 🗆	
Criteria: 24		an Valuman of)	Matan Dana	aval V. ata	hilingtion of	ladiaatan Day		Othern -	. سام الم ما س	
Criteria: 31	to 5 Casi	ng Volumes of \	valer Rem	oval X sta	idilization of	Indicator Par	ameters X	Other <u>c</u>	or ball dry	
			v	Vater Volun	ne in Well				· · · · · · · · · · · · · · · · · · ·	
Gal/ft x ft	of water		Gallons			Dunces	Ga	al/ oz to be r	emoved	
0.01 >						.74 x 3		11.2		
						-				
Time	рН	SC	Temp	ORP	D.O.	Turbidity	Vol Evac.	Co	mments/	
(military)	(su)	(umhos/cm)	(°C)	(millivolts	s) (mg/L)	(NTU)	(oz)	FI	ow rate	
1605	6.54	18,590	14.5				8	Brown	color,	silty,
								cloudy		
	6.50	17,860	14.9				16	Brown	color,	silty,
	0.50	47.570	44.0					cloudy		- 114
	6.52	17,570	14.8				22	Brown cloudy, b	color,	silty,
	6.50	17,530	14.9		-		25	Brown	color.	silty,
	0.00	17,000	14.0				20	cloudy		Sincy,
										,
				I						
Eineli										
Final: Time	рH	SC.	Temp	Eh-ORP	D.O.	Turbidity	Vol Evac.	Comment		oto
<u>1607</u>	6.52	17,530	14.9		0.07	TUDICITY	25 oz	Brown	color,	silty,
1001	0.02		1710					cloudy, w		
	,		ан ан с ан ан с				7 . S	dry		
			1				-			
COMMENTS	S: well ba	iled dry while p	urging.							
INSTRUME		I: pH Meter	X			Tempe	erature Mete	r x		
into into income		DO Moi				Other				
	~			<u></u>						
		onductivity Met				-	~	I. T: 10	00	
Water Dispo		<u>n site_</u>	•	e ID <u>P-5</u>			•	le Time_16		
	Us Alkal	inity TDS Cati	ons Anior	is Nitrate	Nitrite Am	monia TKN N	NMWQCC N	Aetals Total	Phospho	rus
CHCs										

BD_____ BD Name/Time_____ TB_04042008TB01 MS/MSD



COVER LETTER

Tuesday, April 15, 2008

Ashley Ager Lodestar Services PO Box 4465 Durango, CO 81302

TEL: (970) 946-1093 FAX (970) 385-6794

RE: Largo Compressor Station

Dear Ashley Ager:

Order No.: 0804056

Hall Environmental Analysis Laboratory, Inc. received 29 sample(s) on 4/4/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager Nancy McDuffie, Laboratory Manager

NM Lab # NM9425 AZ license # AZ0682 ORELAP Lab # NM100001



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109 505.345.3975 ■ Fax 505.345.4107 www.hallenvironmental.com

Date: 15-Apr-08

CLIENT:	Lodestar Services	
Project: Lab Order:	Largo Compressor Station 0804056	CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_S, SAMPLE 0804056-02A: Elevated surrogate due to matrix interference. Analytical Comments for METHOD 8015GRO_S, SAMPLE 0804056-03A: Elevated surrogate due to matrix interference.

Date: 15-Apr-08

CLIENT:	Lodestar Services			Client Sample ID	B1 14.5	
Lab Order:	0804056			Collection Date	: 3/31/200	8 1:05:00 PM
Project:	Largo Compressor Sta	tion		Date Received	1: 4/4/2008	
Lab ID:	0804056-01			Matrix	: SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		******		Analyst: SCC
Dieset Range C	Irganics (DRO)	ND	10	mg/Kg	1	4/8/2008 6:56:46 AM
Motor Oil Rang	e Organics (MRO)	ND	50	mg/Kg	1	4/8/2008 6:56:46 AM
Surr: DNOP		74.1	61.7-135	%REC	1	4/8/2008 6:56:46 AM
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range	e Organics (GRO)	6.7	5.0	mg/Kg	1	4/9/2008 2:35:34 PM
Surr: BFB		97.8	84-138	%REC	1	4/9/2008 2:35:34 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene	1	1.8	0.050	mg/Kg	1	4/9/2008 2:35:34 PM
Toluene		ND	0.050	mg/Kg	1	4/9/2008 2:35:34 PM
Ethylbenzene		0.12	0.050	mg/Kg	1	4/9/2008 2:35:34 PM
Xylenes, Total		0.25	0.10	mg/Kg	1	4/9/2008 2:35:34 PM
Surr: 4-Brom	ofluorobenzene	85.3	81.4-117	%REC	1	4/9/2008 2:35:34 PM

Qualifiers:

..

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 29

Date: 15-Apr-08

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804056 Largo Compressor Stat 0804056-02	ion		Co	ate Receive	e: 3/31/2008	3 1:18:00 PM
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE C	ORGANICS					Analyst: SCC
Diesel Range C	Organics (DRO)	240	10		mg/Kg	1	4/8/2008 7:28:11 AM
Motor Oil Range	e Organics (MRO)	260	50		mg/Kg	1	4/8/2008 7:28:11 AM
Surr: DNOP		113	61.7-135		%REC	1	4/8/2008 7:28:11 AM
EPA METHOD	8015B: GASOLINE RANG	E					Analyst: NSB
Gasoline Range	ə Organics (GRO)	550	50		mg/Kg	10	4/9/2008 3:05:44 PM
Surr: BFB		177	84-138	S	%REC	10	4/9/2008 3:05:44 PM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene		ND	0.50		mg/Kg	10	4/9/2008 3:05:44 PM
Toluene		ND	0.50		mg/Kg	10	4/9/2008 3:05:44 PM
Ethylbenzene		1.5	0.50		mg/Kg	10	4/9/2008 3:05:44 PM
Xylenes, Total	•	44	1.0		mg/Kg	10	4/9/2008 3:05:44 PM
•	ofluorobenzene	105	81.4-117		%REC	10	4/9/2008 3:05:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

n

Client Sample ID: B2 12.5' **CLIENT:** Lodestar Services Lab Order: 0804056 Collection Date: 3/31/2008 2:28:00 PM Largo Compressor Station **Project:** Date Received: 4/4/2008 Matrix: SOIL Lab ID: 0804056-03 **PQL** Qual Units DF Result **Date Analyzed** Analyses Analyst: SCC **EPA METHOD 8015B: DIESEL RANGE ORGANICS** 10 mg/Kg 1 4/8/2008 8:02:15 AM **Diesel Range Organics (DRO)** 45 4/8/2008 8:02:15 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 Surr: DNOP 105 61.7-135 %REC 1 4/8/2008 8:02:15 AM Analyst: NSB EPA METHOD 8015B: GASOLINE RANGE Gasoline Range Organics (GRO) 240 50 mg/Kg 10 4/9/2008 3:35:43 PM Surr: BFB 147 84-138 S %REC 10 4/9/2008 3:35:43 PM Analyst: NSB EPA METHOD 8021B: VOLATILES 10 4/9/2008 3:35:43 PM ND 0.50 mg/Kg Benzene 4/9/2008 3:35:43 PM Toluene 1.4 0.50 mg/Kg 10 mg/Kg Ethylbenzene 0.82 0.50 10 4/9/2008 3:35:43 PM 4/9/2008 3:35:43 PM Xylenes, Total 1.0 mg/Kg 10 13 94.5 81.4-117 %REC 10 4/9/2008 3:35:43 PM Surr: 4-Bromofluorobenzene

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Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 15-Apr-08

CLIENT:	Lodestar Services			Clier	t Sample ID:	B2 21'		
Lab Order:	0804056			Co	llection Date:	3/31/2008 2:25:00 PM		
Project: Largo Compressor		tion		Date Received:		4/4/2008		
Lab ID:	0804056-04			Matrix:				
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS	چند مشده می مدین سی بی بی بر				Analyst: SCC	
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	4/8/2008 2:41:38 PM	
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 2:41:38 PM	
Surr: DNOP		95.0	61.7-135		%REC	1	4/8/2008 2:41:38 PM	
EPA METHOD	8015B: GASOLINE RANG)E					Analyst: NSB	
Gasoline Range	e Organics (GRO)	7.5	5.0		mg/Kg	1	4/9/2008 4:05:49 PM	
Surr: BFB		113	84-138		%REC	1	4/9/2008 4:05:49 PM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Benzene		1.5	0.050		mg/Kg	1	4/9/2008 4:05:49 PM	
Toluene		ND	0.050		mg/Kg	1	4/9/2008 4:05:49 PM	
Ethylbenzene		ND	0.050		mg/Kg	1	4/9/2008 4:05:49 PM	
Xylenes, Total		0.23	0.10		mg/Kg	1	4/9/2008 4:05:49 PM	
Surr: 4-Brom	ofluorobenzene	97.3	81.4-117		%REC	1	4/9/2008 4:05:49 PM	

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

Date: 15-Apr-08

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT:	CLIENT: Lodestar Services				Client Sample ID: B3 21'						
Lab Order:	0804056			Col	lection Date:	3/31/2008	3:35:00 PM				
Project:	Largo Compressor Sta	tion		Da	te Received:	4/4/2008					
Lab ID:	0804056-05			Matrix:		SOIL					
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed				
EPA METHOD	8015B: DIESEL RANGE	ORGANICS	an a				Analyst: SCC				
Diesel Range C	Organics (DRO)	ND	10		mg/Kg	1	4/8/2008 3:15:41 PM				
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 3:15:41 PM				
Surr: DNOP		96.4	61.7-135		%REC	1	4/8/2008 3:15:41 PM				
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB				
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	. 1	4/9/2008 4:35:57 PM				
Surr: BFB		97.0	84-138		%REC	1	4/9/2008 4:35:57 PM				
EPA METHOD	8021B: VOLATILES						Analyst: NSB				
Benzene		ND	0.050		mg/Kg	1	4/9/2008 4:35:57 PM				
Toluene		ND	0.050		mg/Kg	1	4/9/2008 4:35:57 PM				
Ethylbenzene		ND	0.050		mg/Kg	1	4/9/2008 4:35:57 PM				
Xylenes, Total		ND	0.10	•	mg/Kg	1	4/9/2008 4:35:57 PM				
Surr: 4-Brom	ofluorobenzene	84.5	81.4-117		%REC	1	4/9/2008 4:35:57 PM				

Date: 15-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Clien	t Sample ID:	B4 23'	
Lab Order:	0804056			Collection Date: 3/31/2008			4:15:00 PM
Project:	Largo Compressor Sta	Station			te Received:	4/4/2008	·
Lab ID:	0804056-06				Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS	<u></u>				Analyst: SCC
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	4/8/2008 3:50:02 PM
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 3:50:02 PM
Surr: DNOP		99.8	61.7-135		%REC	1	4/8/2008 3:50:02 PM
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	4/9/2008 5:06:01 PM
Surr: BFB		107	84-138		%REC	1	4/9/2008 5:06:01 PM
EPA METHOD	8021B; VOLATILES						Analyst: NSB
Benzene		0.64	0.050		mg/Kg	1	4/9/2008 5:06:01 PM
Toluene		ND	0.050		mg/Kg	1	4/9/2008 5:06:01 PM
Ethylbenzene		0.19	0.050		mg/Kg	1	4/9/2008 5:06:01 PM
Xylenes, Total		0.12	0.10		mg/Kg	1	4/9/2008 5:06:01 PM
Surr: 4-Brom	ofluorobenzene	95.2	81.4-117		%REC	1	4/9/2008 5:06:01 PM

Date: 15-Apr-08

Qualifiers:

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* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT:	Lodestar Services		•	Client San	nple ID:	B5 17.5'	
Lab Order:	0804056			Collectio	on Date:	4/1/2008	11:15:00 AM
Project: Largo Compressor Station		tion		Date R	eceived:	4/4/2008	л. х. +
Lab ID:	0804056-07		<u>.</u> .	Matrix:		SOIL	
Analyses		Result	PQL	Qual Unit	s	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS			,		Analyst: SCC
Diesel Range C	organics (DRO)	60	10	mg/K	g	1	4/8/2008 4:24:09 PM
Motor Oil Range	e Organics (MRO)	67	50	mg/K	9	1	4/8/2008 4:24:09 PM
Surr: DNOP		106	61,7-135	%RE	с	1	4/8/2008 4:24:09 PM
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	400	100	mg/K	ġ	20	4/10/2008 11:11:42 AM
Surr: BFB		110	84-138	%RE	C	20	4/10/2008 11:11:42 AM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene	· ·	1.2	0.10	mg/K	g	2	4/9/2008 5:36:03 PM
Toluene		ND	0.10	mg/K	g	2	4/9/2008 5:36:03 PM
Ethylbenzene		1.7	0.10	mg/K	g	2	4/9/2008 5:36:03 PM
Xylenes, Total		17	0.20	mg/K	g ,	2	4/9/2008 5:36:03 PM
Surr: 4-Brome	ofluorobenzene	100	81.4-117	%REG	3	2	4/9/2008 5:36:03 PM

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Date: 15-Apr-08

CLIENT:	Lodestar Services		Client Sample ID: B6 18'						
Lab Order:	0804056			Collection Date: 4/1/2008 11:50:00 AM					
Project:	Largo Compressor Sta	ation		Date Receive	d: 4/4/2008				
Lab ID:	0804056-08	· · · ·			x: SOIL				
Analyses		Result	PQL	Qual Units	DF	Date Analyzed			
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		·		Analyst: SCC			
Diesel Range O	rganics (DRO)	ND	10	mg/Kg	1	4/8/2008 4:58:31 PM			
Motor Oil Range	organics (MRO)	ND	50	mg/Kg	1	4/8/2008 4:58:31 PM			
Surr: DNOP		92.2	61.7-135	%REC	1	4/8/2008 4:58:31 PM			
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB			
Gasoline Range	Organics (GRO)	ND	5.0	mg/Kg	1	4/10/2008 12:11:51 PM			
Surr: BFB		98.1	84-138	%REC	1	4/10/2008 12:11:51 PM			
EPA METHOD	8021B: VOLATILES				•	Analyst: NSB			
Benzene		ND	0.050	mg/Kg	1	4/10/2008 12:11:51 PM			
Toluene		ND	0.050	mg/Kg	1	4/10/2008 12:11:51 PM			
Ethylbenzene		NÐ	0.050	mg/Kg	1	4/10/2008 12:11:51 PM			
Xylenes, Total		ND	0.10	mg/Kg	1	4/10/2008 12:11:51 PM			
Surr: 4-Bromo	ofluorobenzene	84.4	81.4-117	%REC	1	4/10/2008 12:11:51 PM			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT: Lab Order: Project: Lab ID:	tion	·	Client Sample I Collection Dat Date Receive Matri	12:26:00 PM		
Analyses	0804056-09	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range C	Drganics (DRO)	ND	. 10	mg/Kg	1	4/8/2008 5:32:58 PM
Motor Oil Rang	e Organics (MRO)	ND	50	mg/Kg	1	4/8/2008 5:32:58 PM
Surr: DNOP		96.4	61.7-135	%REC	1	4/8/2008 5:32:58 PM
EPA METHOD	8015B: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0	mg/Kg	1	4/9/2008 6:36:21 PM
Surr: BFB	•	109	84-138	%REC	1	4/9/2008 6:36:21 PM
	8021B: VOLATILES					Analyst: NSB
Benzene		ND	0.050	mg/Kg	1	4/9/2008 6:36:21 PM
Toluene		ND	0.050	mg/Kg	1	4/9/2008 6:36:21 PM
Ethylbenzene		ND	0.050	mg/Kg	1	4/9/2008 6:36:21 PM
Xylenes, Total		ND	0.10	mg/Kg	1	4/9/2008 6:36:21 PM
	ofluorobenzene	95.3	81.4-117	%REC	· 1	4/9/2008 6:36:21 PM

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 15-Apr-08

ompressor Station		Collection Da Date Receiv	nte: 4/1/2008 ed: 4/4/2008	4/1/2008 1:47:00 PM 4/4/2008		
Result	PQL	Qual Units	DF	Date Analyzed		
SEL RANGE ORGANICS	3			Analyst: SCC		
) ND	10	mg/Kg	1	4/8/2008 6:07:21 PM		
RO) ND	50	mg/Kg	1	4/8/2008 6:07:21 PM		
99.0	61.7-135	%REC	1	4/8/2008 6:07:21 PM		
				Analyst: NSB		
RO) ND	5.0	mg/Kg	1	4/9/2008 7:06:37 PM		
111	84-138	%REC	1	4/9/2008 7:06:37 PM		
ATILES				Analyst: NSB		
ND	0.050	mg/Kg	1	4/9/2008 7:06:37 PM		
ND	0.050	mg/Kg	1	4/9/2008 7:06:37 PM		
ND	0.050	mg/Kg	1	4/9/2008 7:06:37 PM		
ND	0.10	mg/Kg	1	4/9/2008 7:06:37 PM		
e 97.9	81.4-117	%REC	1	4/9/2008 7:06:37 PM		
	SEL RANGE ORGANICS ND RO) ND 99.0 SOLINE RANGE RO) ND 111 ATILES ND ND ND ND ND	Result PQL Result PQL SEL RANGE ORGANICS 0 (ND) 10 (RO) ND 50 (P) ND 0.050 (ND) 0.050 ND (ND) 0.10 0.10	Collection Date performance of the second s	Collection Date: 4/1/2008 Date Received: 4/4/2008 -10 Matrix: SOIL Result PQL Qual Units DF SEL RANGE ORGANICS mg/Kg 1 DF SEL RANGE ORGANICS mg/Kg 1 ND 10 mg/Kg 1 SOLINE RANGE mg/Kg 1 RO) ND 50 mg/Kg 1 SOLINE RANGE mg/Kg 1 111 84-138 %REC 1 ATILES ND 0.050 mg/Kg 1 1 ND 0.050 mg/Kg 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""> 1 1</th1<>		

Qualifiers:

* Value exceeds Maximum Contaminant Level

Hall Environmental Analysis Laboratory, Inc.

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT: Client Sample ID: B9 21' Lodestar Services Lab Order: 0804056 Collection Date: 4/1/2008 2:46:00 PM **Project:** Largo Compressor Station Date Received: 4/4/2008 Matrix: SOIL Lab ID: 0804056-11 PQL Qual Units Result DF Analyses **Date Analyzed** Analyst: SCC **EPA METHOD 8015B: DIESEL RANGE ORGANICS** 1 4/8/2008 6:41:41 PM **Diesel Range Organics (DRO)** ND 10 mg/Kg Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/8/2008 6:41:41 PM Surr: DNOP 94.3 61.7-135 %REC 1 4/8/2008 6:41:41 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB ND 1 4/9/2008 10:37:19 PM Gasoline Range Organics (GRO) 5.0 mg/Kg Surr: BFB 101 %REC 1 4/9/2008 10:37:19 PM 84-138 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.050 mg/Kg 4/9/2008 10:37:19 PM 1 Toluene 0.050 4/9/2008 10:37:19 PM ND mg/Kg 1 Ethylbenzene ND 0.050 mg/Kg 4/9/2008 10:37:19 PM 1 Xylenes, Total 0.10 mg/Kg 1 4/9/2008 10:37:19 PM ND Surr: 4-Bromofluorobenzene 87.7 81.4-117 %REC 1 4/9/2008 10:37:19 PM

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

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- Value exceeds Maximum Contaminant Level
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- ŃD Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н

Date: 15-Apr-08

- MCL Maximum Contaminant Level
- **Reporting Limit** RL

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CLIENT:	Lodestar Services				t Sample ID:				
Lab Order:	0804056		Collection Date: 4			4/1/2008	4/1/2008 3:20:00 PM		
Project:	Largo Compressor Sta	tion		Da	ate Received:	4/4/2008			
Lab ID:	0804056-12	-12			Matrix:	SOIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				10 - August	Analyst: SCC		
Diesel Range O	rganics (DRO)	ND	10		mg/Kg	1	4/8/2008 7:16:06 PM		
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 7:16:06 PM		
Surr: DNOP		97.7	61.7 -13 5		%REC	1	4/8/2008 7:16:06 PM		
EPA METHOD	8015B: GASOLINE RANG	Æ					Analyst: NSB		
Gasoline Range	e Organics (GRO)	55	5.0		mg/Kg	1	4/9/2008 11:07:29 PM		
Surr: BFB		135	84-138		%REC	1	4/9/2008 11:07:29 PM		
EPA METHOD	8021B: VOLATILES						Analyst: NSB		
Benzene		0.060	0.050		mg/Kg	<u>`</u> 1	4/9/2008 11:07:29 PM		
Toluene		ND	0.050		mg/Kg	1	4/9/2008 11:07:29 PM		
Ethylbenzene		0.16	0.050		mg/Kg	1	4/9/2008 11:07:29 PM		
Xylenes, Total		2.3	0.10		mg/Kg	1	4/9/2008 11:07:29 PM		
Surr: 4-Brome	ofluorobenzene	97.7	81.4-117		%REC	1	4/9/2008 11:07:29 PM		

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT:	Lodestar Services			Clien	t Samnle T	D: B10 10'			
Lab Order:					•		0.02.00 DX 6		
	0804056	_		Collection Date: 4/1/2008 3:23:00 PM					
Project:	Largo Compressor St	ation		D٤	te Receive	d: 4/4/2008			
Lab ID:	0804056-13	Matrix: SOIL							
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC		
Diesel Range O	rganics (DRO)	ND	10		mg/Kg	1	4/8/2008 7:50:28 PM		
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 7:50:28 PM		
Surr: DNOP		97.5	61.7-135		%REC	1	4/8/2008 7:50:28 PM		
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB		
Gasoline Range	organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 12:07:39 AM		
Surr: BFB		108	84-138		%REC	1	4/10/2008 12:07:39 AM		
EPA METHOD	8021B: VOLATILES						Analyst: NSB		
Benzene		ND	0.050		mg/Kg	1	4/10/2008 12:07:39 AM		
Toluene		ND	0.050		mg/Kg	1	4/10/2008 12:07:39 AM		
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 12:07:39 AM		

0.10

81.4-117

mg/Kg

%REC

ND

94.2

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Apr-08

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4/10/2008 12:07:39 AM

4/10/2008 12:07:39 AM

Qualifiers:

Xylenes, Total

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Surr: 4-Bromofluorobenzene

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Client Sample I	D: B11 20'			
Lab Order:	0804056			Collection Dat	te: 4/1/2008	4/1/2008 3:45:00 PM		
Project:	Largo Compressor Sta	tion		Date Receive	d: 4/4/2008			
Lab ID:	0804056-14			Matri	ix: SOIL			
Analyses		Result	PQL	Qual Units	DF	Date Analyzed		
EPA METHOD 8	015B: DIESEL RANGE				Analyst: SCC			
Diesel Range On	ganics (DRO)	ND	10	mg/Kg	1	4/8/2008 8:59:18 PM		
Motor Oil Range	Organics (MRO)	ND	50	mg/Kg	1	4/8/2008 8:59:18 PM		
Surr: DNOP		101	61.7-135	%REC	1	4/8/2008 8:59:18 PM		
EPA METHOD 8	015B: GASOLINE RAN	GE				Analyst: NSB		
Gasoline Range	Organics (GRO)	ND	5.0	mg/Kg	1	4/10/2008 12:37:45 AM		
Sum BFB		97.9	84-138	%REC	1	4/10/2008 12:37:45 AM		
EPA METHOD 8	021B: VOLATILES					Analyst: NSB		
Benzene		ND	0.050	mg/Kg	1	4/10/2008 12:37:45 AM		
Toluene		ND	0.050	mg/Kg	1	4/10/2008 12:37:45 AM		
Ethylbenzene		ND	0.050	mg/Kg	1	4/10/2008 12:37:45 AM		
Xylenes, Total		ND	0.10	mg/Kg	1	4/10/2008 12:37:45 AM		
Surr: 4-Bromot	fluorobenzene	84.4	81.4-117	%REC	1	4/10/2008 12:37:45 AM		

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Lodestar Services			Client	Sample I	D: B12 20'			
0804056	Collection Date: 4/1/2008 10:43:00 AM							
Largo Compressor Sta	tion		Dat	e Receive	d: 4/4/2008			
0804056-15	·			Matri	ix: SOIL			
	Result	PQL	Qual U	Jnits	DF	Date Analyzed		
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC		
rganics (DRO)	ND	10	n	ng/Kg	·1	4/8/2008 9:33:24 PM		
Organics (MRO)	ND	50	n	ng/Kg	[.] 1	4/8/2008 9:33:24 PM		
	95.5	61.7-135	9	6REC	1	4/8/2008 9:33:24 PM		
8015B: GASOLINE RAN	GE					Analyst: NSB		
Organics (GRO)	ND	5.0	n	ng/Kg	1	4/10/2008 1:07:51 AM		
	102	84-138	9	6REC	1	4/10/2008 1:07:51 AM		
8021B: VOLATILES						Analyst: NSB		
	ND	0.050	n	ng/Kg	1	4/10/2008 1:07:51 AM		
	ND	0.050	n	ng/Kg	1	4/10/2008 1:07:51 AM		
	ND	0.050	n	ng/Kg	1	4/10/2008 1:07:51 AM		
	. ND	0.10	n	ng/Kg	1	4/10/2008 1:07:51 AM		
ofluorobenzene	87.9	81.4-117	9	6REC	1	4/10/2008 1:07:51 AM		
	0804056 Largo Compressor Sta 0804056-15 3015B: DIESEL RANGE rganics (DRO) 0 Organics (MRO) 8015B: GASOLINE RANG Organics (GRO) 8021B: VOLATILES	0804056 Largo Compressor Station 0804056-15 Result 3015B: DIESEL RANGE ORGANICS rganics (DRO) ND 0 Organics (MRO) ND 95.5 3015B: GASOLINE RANGE Organics (GRO) ND 102 3021B: VOLATILES ND ND ND ND	0804056 Largo Compressor Station 0804056-15 Result PQL 3015B: DIESEL RANGE ORGANICS rganics (DRO) ND 10 Organics (MRO) ND 50 95.5 61.7-135 3015B: GASOLINE RANGE Organics (GRO) ND 5.0 102 84-138 3021B: VOLATILES ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050	0804056 Colle Largo Compressor Station Dat 0804056-15 Dat Result PQL Qual V 3015B: DIESEL RANGE ORGANICS Topological State Topologica	0804056Collection DateLargo Compressor StationDate Receive0804056-15MatriResultPQLQual0015B: DIESEL RANGE ORGANICSrganics (DRO)ND10organics (MRO)ND5095.561.7-135%REC8015B: GASOLINE RANGEOrganics (GRO)ND5.095.561.7-135%REC8015B: CASOLINE RANGEOrganics (GRO)ND5.095.561.7-138%REC8021B: VOLATILESND0.050ND0.050mg/KgND0.050mg/KgND0.050mg/KgND0.050mg/KgND0.050mg/KgND0.050mg/KgND0.050mg/KgND0.050mg/Kg	0804056 Collection Date: 4/1/2008 1 Largo Compressor Station Date Received: 4/4/2008 0804056-15 Matrix: SOIL Result PQL Qual Units DF 3015B: DIESEL RANGE ORGANICS rganics (DRO) ND 10 Organics (MRO) ND 50 mg/Kg 1 95.5 61.7-135 %REC 1 3015B: GASOLINE RANGE Organics (GRO) ND 5.0 mg/Kg 1 102 84-138 %REC 1 3021B: VOLATILES ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 1 ND 0.050 mg/Kg 1 1 ND 0.050 mg/Kg 1 1		

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT: Lab Order:	Lodestar Services 0804056	4 ;		Co		B12 18.5' 4/2/2008 10:45:00 AM		
Project:	Largo Compressor Sta	uon		D	ate Received:			
Lab ID:	0804056-16				Matrix:	SOIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC	
Diesel Range C	Organics (DRO)	ND	10		mg/Kg	1	4/8/2008 10:07:28 PM	
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 10:07:28 PM	
Surr: DNOP		96.1	61.7-135		%REC	1	4/8/2008 10:07:28 PM	
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSB	
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 1:37:58 AM	
Surr: BFB		105	84-138		%REC	· 1	4/10/2008 1:37:58 AM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Benzene		ND	0.050		mg/Kg	1	4/10/2008 1:37:58 AM	
Toluene		ND	0.050		mg/Kg	1	4/10/2008 1:37:58 AM	
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 1:37:58 AM	
Xylenes, Total		ND	0.10		mg/Kg	1	4/10/2008 1:37:58 AM	
Surr: 4-Brom	ofluorobenzene	90.7	81.4-117		%REC	1	4/10/2008 1:37:58 AM	

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT: Lab Order:	Lodestar Services 0804056				nple ID: B13 10 n Date: 4/2/200	e ID: B13 10' Date: 4/2/2008 11:24:00 AM			
Project: Largo Compresso		Station			ceived: 4/4/200				
Lab ID:	0804056-17			 · _]	Matrix: SOIL				
Analyses		Result	PQL	Qual Unit	s DF	Date Analyzed			
EPA METHOD	8015B: DIESEL RANGE	ORGANICS			an da manana ang kanang pang pang pang pang pang pang pang	Analyst: SCC			
Diesel Range C	Organics (DRO)	ND	10	mg/K	g 1	4/8/2008 10:41:33 PM			
Motor Oil Range	e Organics (MRO)	ND	50	mg/K	g 1	4/8/2008 10:41:33 PM			
Surr: DNOP		96.8	61.7-135	%RE	C 1	4/8/2008 10:41:33 PM			
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB			
Gasoline Range	e Organics (GRO)	ND	5.0	mg/K	g 1	4/10/2008 2:07:53 AM			
Sum: BFB		103	84-138	%RE	C .1	4/10/2008 2:07:53 AM			
EPA METHOD	8021B: VOLATILES					Analyst: NSB			
Benzene		ND	0.050	mg/Kg	j 1	4/10/2008 2:07:53 AM			
Toluene		ND	0.050	mg/Kg	g 1	4/10/2008 2:07:53 AM			
Ethylbenzene		ND	0.050	mg/Kg	j 1	4/10/2008 2:07:53 AM			
Xylenes, Total		ND	0.10	mg/Kg	y 1	4/10/2008 2:07:53 AM			
Surr: 4-Brom	ofluorobenzene	89.9	81.4-117	%REC) 1	4/10/2008 2:07:53 AM			

Date: 15-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

10

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CLIENT:	Lodestar Services			Clien	t Sample ID:	B13 12.5'		
Lab Order:	0804056			Col	lection Date:	4/2/2008 11:17:00 AM		
Project: Largo Compressor		tion		Da	te Received:	4/4/2008		
Lab ID:	0804056-18				Matrix:	SOIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC	
Diesel Range C	Organics (DRO)	ND	10		m g/Kg	1	4/8/2008 11:15:46 PM	
Motor Oil Rang	e Organics (MRO)	ND	50		mg/Kg	1	4/8/2008 11:15:46 PM	
Surr: DNOP		102	61.7 -13 5		%REC	1	4/8/2008 11:15:46 PM	
EPA METHOD	8015B: GASOLINE RANG	E					Analyst: NSB	
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 2:37:57 AM	
Sun: BFB		103	84-138		%REC	1	4/10/2008 2:37:57 AM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Benzene		ND	0.050		mg/Kg	1	4/10/2008 2:37:57 AM	
Toluene		ND	0.050		mg/Kg	1	4/10/2008 2:37:57 AM	
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 2:37:57 AM	
Xylenes, Total		ND	0.10		mg/Kg	1	4/10/2008 2:37:57 AM	
Surr: 4-Brom	ofluorobenzene	88.9	81.4-117		%REC	1	4/10/2008 2:37:57 AM	

Date: 15-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

10

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CLIENT: Lab Order:	Lodestar Services 0804056				Sample ID:		11:15:00 AM
Project:	Largo Compressor Sta	ation			te Received:		11.15.00 ANI
Lab ID:	0804056-19			Da	Matrix:		· · · · ·
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range C	Organics (DRO)	ND	10	ſ	mg/ Kg	1	4/8/2008 11:49:50 PM
Motor Oil Range	e Organics (MRO)	ND	50	I	mg/Kg	1	4/8/2008 11:49:50 PM
Surr: DNOP		98.9	61.7-135	ç	%REC	1	4/8/2008 11:49:50 PM
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	9.8	5.0	г	ng/Kg	1	4/10/2008 3:08:14 AM
Surr: BFB		109	84-138	c,	%REC	1	4/10/2008 3:08:14 AM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene		0.092	0.050	r	ng/Kg	1	4/10/2008 3:08:14 AM
Toluene		ND	0.050	r	ng/Kg	1	4/10/2008 3:08:14 AM
Ethylbenzene		ND	0.050	r	ng/Kg	1	4/10/2008 3:08:14 AM
Xylenes, Total		ND	0.10	r	ng/Kg	1	4/10/2008 3:08:14 AM
Surr: 4-Brom	ofluorobenzene	93.9	81.4-117	q	%REC	1	4/10/2008 3:08:14 AM

Date: 15-Apr-08

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 15-Apr-08

CLIENT: Lodestar Services			Client Sample ID: B14 5'						
Lab Order:	0804056			Collecti	ction Date: 4/2/2008 12:07:00 PM				
Project:	Largo Compressor Sta	tion		Date R	eceived: 4/4/200	8			
Lab ID:	0804056-20		·		Matrix: SOIL				
Analyses		Result	PQL	Qual Unit	ts DF	Date Analyzed			
EPA METHOD 8015B: DIESEL RANGE ORGANICS			<u>1997 - All Tables (1997), Anno 1997</u> - Anno 1997			Analyst: SCC			
Diesel Range C	organics (DRO)	ND	10	mg/k	(g 1	4/9/2008 12:23:58 AM			
Motor Oil Range	e Organics (MRO)	ND	50	mg/k	(g 1	4/9/2008 12:23:58 AM			
Surr: DNOP		95.9	61.7-135	%RE	C 1	4/9/2008 12:23:58 AM			
EPA METHOD	8015B: GASOLINE RANG	GE				Analyst: NSB			
Gasoline Range	• Organics (GRO)	ND	5.0	mg/k	(g · 1	4/10/2008 3:38:16 AM			
Surr: BFB		111	84-138	%RE	C 1	4/10/2008 3:38:16 AM			
EPA METHOD	8021B: VOLATILES					Analyst: NSB			
Benzene		ND	0.050	mg/K	(g 1	4/10/2008 3:38:16 AM			
Toluene		ND	0.050	mg/K	•	4/10/2008 3:38:16 AM			
Ethylbenzene		ND	0.050	mg/K	(g 1	4/10/2008 3:38:16 AM			
Xylenes, Total		ND	0.10	mg/K	ig 1	4/10/2008 3:38:16 AM			
Surr: 4-Brom	ofluorobenzene	96.8	81.4-117	%RE	C 1	4/10/2008 3:38:16 AM			

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT:	Lodestar Services			Clien	t Sample ID:	B14 17.5'		
Lab Order: 0804056			Collection Date: 4			4/2/2008 12:10:00 PM		
Project:	Largo Compressor Sta	ation	Date Received: 4			4/4/2008		
Lab ID:	0804056-21	· .			Matrix:	SOIL		
Analyses	· ·	Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD 8015B: DIESEL RANGE ORGANICS					((,,,,,,))))))))))))))))))))))))))))))	- -	Analyst: SCC	
Diesel Range O	rganics (DRO)	ND	10		mg/Kg	1	4/9/2008 12:58:03 AM	
Motor Oil Range	Organics (MRO)	ND	50		mg/Kg	1	4/9/2008 12:58:03 AM	
Surr: DNOP		96.5	61.7-135		%REC	1	4/9/2008 12:58:03 AM	
EPA METHOD 8	015B: GASOLINE RAN	GE					Analyst: NSB	
Gasoline Range	Organics (GRO)	870	25		mg/Kg	5	4/10/2008 11:46:01 PM	
Surr: BFB		125	84-138		%REC	5	4/10/2008 11:46:01 PM	
EPA METHOD 8	021B: VOLATILES						Analyst: NSB	
Benzene		6.2	0.25		mg/Kg	5	4/10/2008 11:46:01 PM	
Toluene		5.5	0.25		mg/Kg	5	4/10/2008 11:46:01 PM	
Ethylbenzene		1.8	0.25		mg/Kg	5	4/10/2008 11:46:01 PM	
Xylenes, Total		18	0.50		mg/Kg	5	4/10/2008 11:46:01 PM	
Surr: 4-Bromo	fluorobenzene	97.8	81.4-117		%REC	5	4/10/2008 11:46:01 PM	

Date: 15-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

Date: 15-Apr-08

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804056 Largo Compressor Sta 0804056-22	Client Sample ID: B14 22' Collection Date: 4/2/2008 12:13:00 PM Date Received: 4/4/2008 Matrix: SOIL					
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: SCC	
Diesel Range C	Irganics (DRO)	ND	10	mg/Kg	1	4/9/2008 1:32:06 AM	
Motor Oil Rang	e Organics (MRO)	ND	50	mg/Kg	1	4/9/2008 1:32:06 AM	
Surr: DNOP		98.6	61.7-135	%REC	1	4/9/2008 1:32:06 AM	
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB	
Gasoline Range	e Organics (GRO)	NĎ	5.0	mg/Kg	1	4/10/2008 1:42:08 PM	
Surr: BFB		98.3	84-138	%REC	1	4/10/2008 1:42:08 PM	
EPA METHOD	8021B: VOLATILES					Analyst: NSB	
Benzene		ND	0.050	mg/Kg	1	4/10/2008 1:42:08 PM	
Toluene		ND	0.050	mg/Kg	1	4/10/2008 1:42:08 PM	
Ethylbenzene		. ND	0.050	mg/Kg	1	4/10/2008 1:42:08 PM	
Xylenes, Total		ND	0.10	mg/Kg	1	4/10/2008 1:42:08 PM	
Surr: 4-Brom	ofluorobenzene	86.3	81.4-117	%REC	1	4/10/2008 1:42:08 PM	

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT: Lab Order:	Lodestar Services 0804056		Client Sample ID: B15 17.5' Collection Date: 4/2/2008 12:41:00 PM					
Project:	Largo Compressor Sta	tion			ate Received			
Lab ID:	0804056-23				Matrix			
Analyses		Result	PQL	Qual	Units	ĎF	Date Analyzed	
EPA METHOD 8015B: DIESEL RANGE ORGANICS			******		inites in a state of the surgery of		Analyst: SCC	
Diesel Range Org	anics (DRO)	ND	10		mg/Kg	1 .	4/9/2008 2:06:15 AM	
Motor Oil Range	Organics (MRO)	ND	50		mg/Kg	1	4/9/2008 2:06:15 AM	
Surr: DNOP		78.1	61.7-135		%REC	1	4/9/2008 2:06:15 AM	
EPA METHOD 8	015B: GASOLINE RANG	GE					Analyst: NSB	
Gasoline Range (Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 2:12:21 PM	
Surr: BFB	·	104	84-138		%REC	1	4/10/2008 2:12:21 PM	
EPA METHOD 80	21B: VOLATILES						Analyst: NSB	
Benzene		ND	0.050		mg/Kg	1	4/10/2008 2:12:21 PM	
Toluene		ND	0.050		mg/Kg	1	4/10/2008 2:12:21 PM	
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 2:12:21 PM	
Xylenes, Total		ND	0.10		mg/Kg	1	4/10/2008 2:12:21 PM	
Surr: 4-Bromof	luorobenzene	90.8	81.4-117		%REC	1	4/10/2008 2:12:21 PM	

Date: 15-Apr-08

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 15-Apr-08

CLIENT:	Lodestar Services				Sample ID:			
Lab Order:	0804056			Coll	ection Date:	4/2/2008 12:45:00 PM		
Project:	Largo Compressor St	ation		Dat	te Received:	4/4/2008		
Lab ID:	0804056-24				Matrix:	SOIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		<u></u>	••••••••••••••••••••••••••••••••••••••		Analyst: SCC	
Diesel Range O	Irganics (DRO)	ND	10	r	ng/Kg	1	4/9/2008 3:14:26 AM	
Motor Oil Range	e Organics (MRO)	ND	50	r	ng/Kg	1	4/9/2008 3:14:26 AM	
Surr: DNOP		97.5	61.7-135	ç	%REC	1	4/9/2008 3:14:26 AM	
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB	
Gasoline Range	e Organics (GRO)	ND	5.0	r	ng/Kg	1	4/10/2008 2:42:26 PM	
Surr: BFB		102	84-138	ç	%REC	1	4/10/2008 2:42:26 PM	
EPA METHOD	8021B: VOLATILES						Analyst: NSB	
Benzene		ND	0.050	r	ng/Kg	1	4/10/2008 2:42:26 PM	
Toluene		ND	0.050	· r	ng/Kg	1	4/10/2008 2:42:26 PM	
Ethylbenzene		ND	0.050	r	ng/Kg	1	4/10/2008 2:42:26 PM	
Xylenes, Total		ND	0.10	r	ng/Kg	1	4/10/2008 2:42:26 PM	
Surr: 4-Brom	ofluorobenzene	88.0	81.4-117	ġ	%REC	1	4/10/2008 2:42:26 PM	

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 15-Apr-08

CLIENT: Lodestar Service	es		Client Sample II): B16 20'		
Lab Order: 0804056			e: 4/2/2008	4/2/2008 1:09:00 PM		
Project: Largo Compress	or Station		Date Received	d: 4/4/2008	N	
Lab ID: 0804056-25			Matri	x: SOIL		
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	
EPA METHOD 8015B: DIESEL RA		anna an Arlanda ann an Airtean an		Analyst: SCC		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/9/2008 3:48:16 AM	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1 .	4/9/2008 3:48:16 AM	
Surr: DNOP	98.6	61.7-135	%REC	1	4/9/2008 3:48:16 AM	
EPA METHOD 8015B: GASOLINE	RANGE				Analyst: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/10/2008 3:12:37 PM	
Surr: BFB	99.2	84-138	%REC	1	4/10/2008 3:12:37 PM	
EPA METHOD 8021B: VOLATILE	S				Analyst: NSB	
Benzene	ND	0.050	mg/Kg	1	4/10/2008 3:12:37 PM	
Toluene	ND	0.050	mg/Kg	1	4/10/2008 3:12:37 PM	
Ethylbenzene	ND	0.050	mg/Kg	1	4/10/2008 3:12:37 PM	
Xylenes, Total	ND	0.10	mg/Kg	1	4/10/2008 3:12:37 PM	
Surr: 4-Bromofluorobenzene	85.2	81.4-117	%REC	1	4/10/2008 3:12:37 PM	

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

CLIENT:	Lodestar Services			Clien	it Sample ID:	B17 20'			
Lab Order:	0804056			Co	llection Date:	4/2/2008	1:40:00 PM		
Project:	Largo Compressor Sta	tion		Da	ate Received:	4/4/2008			
Lab ID:	0804056-26				Matrix:	SOIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		an a		64 64.6 25 64.6 19. de,	Analyst: SCC		
Diesel Range C	Drganics (DRO)	ND	10		mg/Kg	1	4/9/2008 4:22:02 AM		
Motor Oil Rang	e Organics (MRO)	ND	50		mg/Kg	1	4/9/2008 4:22:02 AM		
Surr: DNOP		96.8	61.7-135		%REC	· 1	4/9/2008 4:22:02 AM		
EPA METHOD	8015B: GASOLINE RANG	GE					Analyst: NSB		
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 3:42:41 PM		
Surr: BFB		109	84-138		%REC	1	4/10/2008 3:42:41 PM		
EPA METHOD	8021B: VOLATILES						Analyst: NSB		
Benzene		0.069	0.050		mg/Kg	1	4/10/2008 3:42:41 PM		
Toluene		ND	0.050		mg/Kg	1	4/10/2008 3:42:41 PM		
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 3:42:41 PM		
Xylenes, Total		ND	0.10		mg/Kg	1	4/10/2008 3:42:41 PM		
Surr: 4-Brom	ofluorobenzene	96.3	81.4-117		%REC	1	4/10/2008 3:42:41 PM		

Date: 15-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 26 of 29

CLIENT:	Lodestar Services			Clier	t Sample ID:	B17 17.5'	
Lab Order:	0804056			Co	llection Date:	4/2/2008	1:42:00 PM
Project:	Largo Compressor St	ation		D	ate Received:	4/4/2008	
Lab ID:	0804056-27				Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		17. - 1			Analyst: SCC
Diesel Range C	Organics (DRO)	ND	10		mg/Kg	1	4/9/2008 4:55:56 AM
Motor Oil Range	e Organics (MRO)	ND	50		mg/Kg	1	4/9/2008 4:55:56 AM
Surr: DNOP		98.5	61.7-135		%REC	1	4/9/2008 4:55:56 AM
EPA METHOD	8015B: GASOLINE RAN	GE					Analyst: NSB
Gasoline Range	e Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2008 4:12:49 PM
Surr: BFB		104	84-138		%REC	1	4/10/2008 4:12:49 PM
	8021B: VOLATILES						Analyst: NSB
Benzene		0.47	0.050		mg/Kg	1	4/10/2008 4:12:49 PM
Toluene		ND	0.050		mg/Kg	1	4/10/2008 4:12:49 PM
Ethylbenzene		ND	0.050		mg/Kg	1	4/10/2008 4:12:49 PM
Xylenes, Total		ND	0.10		mg/Kg	1	4/10/2008 4:12:49 PM
Surr: 4-Brom	ofluorobenzene	90.6	81.4-117		%REC	1	4/10/2008 4:12:49 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Date: 15-Apr-08

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 15-Apr-08

CLIENT: Lab Order:	Lodestar Services 0804056	Client Sample ID: B18 20' Collection Date: 4/2/2008 2:07:00 PM								
Project:	Largo Compressor Sta	ation		Date Receive	ate Received: 4/4/2008					
Lab ID:	0804056-28			Matri	x: SOIL					
Analyses		Result	PQL	Qual Units	DF	Date Analyzed				
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: SCC				
Diesel Range C	Organics (DRO)	ND	10	mg/Kg	1	4/9/2008 5:21:31 AM				
Motor Oil Rang	e Organics (MRO)	ND	50	mg/Kg	1	4/9/2008 5:21:31 AM				
Surr: DNOP		96.6	61.7-135	%REC	1	4/9/2008 5:21:31 AM				
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB				
Gasoline Range	e Organics (GRO)	ND	5.0	mg/Kg	1	4/10/2008 4:43:01 PM				
Surr: BFB		101	84-138	%REC	1	4/10/2008 4:43:01 PM				
	8021B: VOLATILES					Analyst: NSB				
Benzene		ND	0.050	m g/K g	· 1	4/10/2008 4:43:01 PM				
Toluene		ND	0.050	mg/Kg	· 1	4/10/2008 4:43:01 PM				
Ethylbenzene		ND	0.050	mg/Kg	1	4/10/2008 4:43:01 PM				
Xylenes, Total		ND	0.10	mg/Kg	1	4/10/2008 4:43:01 PM				
Surr: 4-Brom	ofluorobenzene	86.1	81.4-117	%REC	1	4/10/2008 4:43:01 PM				

Qualifiers:

* Value exceeds Maximum Contaminant Level

Hall Environmental Analysis Laboratory, Inc.

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 28 of 29

CLIENT:	Lodestar Services			Client Sample II): B19 20'	
Lab Order:	0804056			Collection Dat	e: 4/2/2008	2:42:00 PM
Project:	Largo Compressor Sta	tion		Date Received	1: 4/4/2008	
Lab ID:	0804056-29			Matri	x: SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS		nga pang manang manang manang kanang kana L	territetika di Banda de Kalmana da pada	Analyst: SCC
Diesel Range O	rganics (DRO)	ND	10	mg/Kg	1	4/9/2008 5:55:19 AM
Motor Oil Range	e Organics (MRO)	ND	50	mg/Kg	1	4/9/2008 5:55:19 AM
Surr: DNOP		97,9	61.7-135	%REC	1	4/9/2008 5:55:19 AM
EPA METHOD	8015B: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range	Organics (GRO)	· ND	5.0	mg/Kg	1	4/10/2008 5:43:11 PM
Surr: BFB		103	84-138	%REC	1	4/10/2008 5:43:11 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene		ND	0.050	mg/Kg	1	4/10/2008 5:43:11 PM
Toluene		ND	0.050	mg/Kg	1	4/10/2008 5:43:11 PM
Ethylbenzene		ND	0.050	mg/Kg	1	4/10/2008 5:43:11 PM
Xylenes, Total	1	ND	0.10	mg/Kg	1	4/10/2008 5:43:11 PM

81.4-117

%REC

88.7

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Apr-08

1

Qualifiers:

Surr: 4-Bromofluorobenzene

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- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

ЗŊ

4/10/2008 5:43:11 PM

QA/QC SUMMARY REPORT

Client:Lodestar ServicesProject:Largo Compressor Station

Work Order: 0804056

Analyte	Result	Units	PQL	%Rec	LowLimit Hig	hLimit	%RPD RP[DLimit Qual
Method: EPA Method 8015B: D	iesel Range	•			Detek ID:	45570	Analysia Data	4/7/0000 0:14:12 DM
Sample ID: MB-15576		MBLK			Batch ID:	15576	Analysis Date:	4/7/2008 9:14:13 PN
Diesel Range Organics (DRO)	ND	mg/Kg	10					
Motor Oil Range Organics (MRO) Sample ID: MB-15577	ND	mg/Kg <i>MBLK</i>	50		Batch ID:	15577	Analysis Date:	4/7/2008 10:57:30 PN
Diesel Range Organics (DRO)	ND	mg/Kg	10					
Motor Oil Range Organics (MRO) Sample ID: LCS-15576	ND	mg/Kg LCS	50		Batch ID:	15576	Analysis Date:	4/7/2008 9:48:40 PM
Diesel Range Organics (DRO)	32.56	mg/Kg	10	65.1	64.6 1 ⁻	16		
Sample ID: LCS-15577		LCS			Batch ID:	15577	Analysis Date:	4/7/2008 11:31:49 PN
Diesel Range Organics (DRO)	41.12	mg/Kg	10	82.2	64.6 1 [.]	16		
Sample ID: LCSD-15576		LCSD			Batch ID:	15576	Analysis Date:	4/7/2008 10:23:08 PN
Diesel Range Organics (DRO)	38.24	mg/Kg	10	76.5	64.6 1 ⁻	16	16.0 17	.4
Sample ID: LCSD-15577		LCSD			Batch ID:	15577	Analysis Date:	4/8/2008 12:40:00 AN
Diesel Range Organics (DRO)	48.36	mg/Kg	10	96.7	64.6 1	16	16.2 17	
Method: EPA Method 8015B: G	asoline Ran	•						
Sample ID: MB-16568		MBLK			Batch ID:	15568	Analysis Date:	4/9/2008 10:07:08 PN
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0					
Sample ID: MB-16574		MBLK			Batch ID:	15574	Analysis Date:	4/10/2008 5:38:37 AM
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0					
Sample ID: LCS-15568		LCS			Batch ID:	15568	Analysis Date:	4/9/2008 8:37:00 PM
Gasoline Range Organics (GRO)	25.25	mg/Kg	5.0	10 1	69.5 12	20		
Sample ID: LCS-15574		LCS			Batch ID:	15574	Analysis Date:	4/10/2008 5:08:33 AM
Gasoline Range Organics (GRO)	25,25	mg/Kg	5.0	101	69.5 12	20		

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

31

S Spike recovery outside accepted recovery limits

Client: Project:	Lodestar Services Largo Compressor Stat	ion						Work	Order: 0804056
Analyte	Result	Units	PQL	%Rec	LowLimit	HighLim	iit -	%RPD RP	DLimit Qual
Method: EPA Me	ethod 8021B: Volatiles	· ·	· ·						
Sample ID: MB-18	5568	MBLK			Batch	ID: 15	568	Analysis Date:	4/9/2008 10:07:08 PM
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/ Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: MB-18	5574	MBLK			Batch	ID: 15	674	Analysis Date:	4/10/2008 5:38:37 AM
Benzene	ND	mg/Kg	0.050						
Toluene	. ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-1	5568	LCS			Batch	ID: 15	568	Analysis Date:	4/9/2008 8:37:00 PM
Benzene	0.3315	mg/Kg	0.050	118	78.8	132			
Toluene	2,258	mg/Kg	0.050	112	78.9	112			
Ethylbenzene	0.4746	mg/Kg	0.050	119	69.3	125			
Xylenes, Total	2.801	mg/Kg	0.10	122	73	128			
Sample ID: LCS-1	5574	LCS			Batch	ID: 15	574	Analysis Date:	4/10/2008 5:08:33 AM
Benzene	0.3291	mg/Kg	0.050	118	78.8	132			
Toluene '	2.233	mg/Kg	0.050	111	78.9	112			
Ethylbenzene	0.4649	mg/Kg	0.050	116	69.3	125			
Xylenes, Total	2.781	mg/Kg	0.10	121	73	128			

QA/QC SUMMARY REPORT

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

32

S Spike recovery outside accepted recovery limits

	Sample F	Receipt	Check	dist				
Client Name LOADSTAR SERVICES			I	Date Receive	ed:		4/4/2008	
Work Order Number 0804056			-	Received by	y: TLS			
Checklist completed by: - Comp	min	<u> </u> 4 4	OX Date	Sample ID I	abels checked	by:	Initials	
Matrix:	Carrier name	Greyhour	nd					
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 re	aceived?	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 🗔				
Water - VOA vials have zero headspace?	No VOA vials submit	ted 🗹	Y	'es 🗌	No 🗔			
Water - Preservation labels on bottle and cap mat	ich?	Yes 🗌		No 🗀	N/A 🗹			
Water - pH acceptable upon receipt?	١	Yes 🗌		No 🗌	N/A 🗹			
Container/Temp Blank temperature?		5°		C Acceptat				
COMMENTS:			lf g	iven sufficien	t time to cool.			
Client contacted D	ate contacted:			Pers	son contacted		<u></u>	
Contacted by:	Regarding:							
Comments:								
Corrective Action								
		·						

HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE, Suite D	Tel. 505.345.3975 Fax 505.345.4107		ANALYSIS REQUEST	(4)	6]) 6])	508) 2' niloseð sei()/se 2 ₁₀ 0q 808) 2 808) 2'	\ 608. \ 608. ' N0 ⁵ 531) 411) 281) 16H(+ 381 06 60 07 64 00 60 08 00 10 0 10 0 10 0 10 0 10 0 10 0 10	- - - - - - - - - - - - - - - - - - -	8550 8550 8550 8510 8550 8550 8550 8550			2	2								Remarks:	
0.4/0.C Package: Std 💢 Level 4 🗖 Other:	Project Name:	Largo Compressor Station	Project #:		Project Manager:	Ashley Ager	Sampler: ALA	Sample Temperature: 5,	Preservative UEA No.	HgCI ₂ HNO ₃	1/402	1/402 2	1/4ic 3	1/402 4	1/402 5	i/402	1/402	x 20/1	1/402 01	1/402	1/1/02 1/12	Received By: (Signature) 4/4/08 MMU COMUN 10 Received By (Signature)	Ć
CHAIN-OF-CUSTODY RECORD	Client: Ashley Ager	odestar	Address: M Box 4465	Duranao, CD 81302			Hone # 970 385 6794	Eax #: ~ 970 946 1093	Date Time Matrix Samula No		03-31-08 1305 Soil BI 14.5'	033-08 1318 Soil B1 4'	03-31-88 1428 Soil B2 125'	03-31-08 [425 Sai] B2 21'	03-31-08 1535 Soil 83 21'	03-31-08 1615 Soil B4 23'	04-01-08 [115 sil 85 175'	of-61-58 1150 5011 86 18'	04-048 [226 Soi B7 18'	04-0108 1347 Soil B8 18'	Q	Date: Time: Relinquished By: (Signature) 04-03-48 1620 1/0/000 5-001 Date: Time: Relinquished By: (Signature)	

HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE, Suite D Albuquerque, New Mexico 87109 Tel. 505.345.3975 Fax 505.345.4107		ANALYSIS REQUEST		85)	308) a	, БСВ.; 1 БСВ.; 1 ИО ^{5;} 1 И)	08 bo A9 70 / slb3t 60 / (f 80 / 60 / (A0 A0V-in	EDC (Meth 8310 (PUP 8310 (PUP 8270 (Sen 7597 Pest 7597 Pest 750 (Sen 750 750 750 750 750 750 750 750 750 750	5		7		<u>}</u>			<u>}</u>	>	3			
			[٨]	InO ani	lloseð	9) 89 9) 89	+ 381 + 381	BTEX + M BTEX + M H9th Metho BTEX + M	X	>			<u> </u>	<u>``</u>	2	>	2	>	>		Remarks:
0ther: Project Name:	Largo Compressor Station	Project #:		Project Manager:	Ashley Ager	Sampler: ALA	Sample Temperature: 5 '	Number/Volume HgCl ₂ HNO ₃ ACH No.			1/402 15	1/402 10		1/402 18	1/402 19	1/402 20	1402 21	1/402 22	1/402 23	1/402 24	1 By: (Signature) 4 (4) 05 L P. MOMUN 00 1 By: (Signature)
CHAIN-OF-CUSTODY RECORD	Lodestar Services	Address: PD Box 4465	Durango, CO \$1302			Phone #: 970 846 1093	Fax#. 970 385 6794	Date Time Matrix Sample I.D. No.	04-01-08 1523 soil BID 10'	04-01-08 1545 Seil Bil 20'	64-02-08 1043 Soil Biz 20'	ot-2208 1045 50x B12 185'	ot-02-08 1124 soi / B13 12'	040208 [117 Soil B13 12.5'	OUR 08/11/5 Soil B13 20'	64-02-05 1207 Soil BUY 5'	Cto208 1210 Soil BW 17.5'	04206 R13 501 B14 22'	ortoz-08/24 Soil BIS 175'	24Z1 80	Date: Time: Relinquished By: (Signature) O4-03-05 1 1 0 00 00 00 00 00 00 00 00 00 00 00

	QA / QC Package: Stor Level 4 D			:
CHAIN-OF-CUSTODY RECORD		4901 Hawk	ANALYSIS LABOHALORY 4901 Hawkins NE, Suite D	
m: Ashlev Ager	1	Albuquerqu	Albuquerque, New Mexico 8/1U9 Tel. 505.345.3975 Fax 505.345.4107	
Lodestar Services	Large Compressor Station	www.hallen	www. hallenvironmental. com	
Address, PO Box 4465	Project #:	ANALYSIS	IS REQUEST	
Jurango, CD 81302		[Á]		
	Project Manager:	(lea		(N J
	Ashley Ager	ilozeð siO\ze		o Y) ec
Phone #: 9770 946 1093	Sampler: A.L.A.	н) 51) 8'1) 8'1) 28 (6	, bCB,	eqsbe
Fax#: 9子10 385 6794	Sample Temperature: 57	+ 381 06 b0 07 PA 07 PA 08 b0 07 PA	cides / (A) (AOA)	seH no
Dete Time Matrix Sample I.D. No.	Number/Volume HgCl ₂ HNO ₃ ACAD	BTEX + M BTEX + M BTEX + M EDB (Meth EDB (Meth B310 (PN B310 (PN B310 (PN B310 (PN	0,73) anoinA 82808 (V0 8270 (Sem 8270 (Sem 8270 (Sem	Air Bubbles
04-02-08 1309 Soil B16 20'		-		·
B17	1/402 2.4	<u> </u>		
other of 1342 soil BV7 17,5'	1402 27	2		
0402-08 (407 Soil 1318 20'	1402 28	2,		
04-22-08 1442 Soil B19 20	1/402 204/1		3	
-08 1630	Represented By: (Signature) 4/4/07	Remarks:]
Date: Time: Relinquished By: (Signature?	(Heceived By: Gignature)			



COVER LETTER

Wednesday, April 16, 2008

Ashley Ager Lodestar Services PO Box 4465 Durango, CO 81302

TEL: (970) 946-1093 FAX (970) 385-6794

RE: Largo Comp Station

Dear Ashley Ager:

Order No.: 0804099

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 4/9/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

lan

Andy Freeman, Business Manager Nancy McDuffie, Laboratory Manager

NM Lab # NM9425 AZ license # AZ0682 ORELAP Lab # NM100001



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109 505.345.3975 ■ Fax 505.345.4107 www.hallenvironmental.com

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804099 Largo Comp Station 0804099-01	· ·		Client Sample ID Collection Date Date Received Matrix	: 4/4/2008	
Analyses	· · · · · · · · · · · · · · · · · · ·	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE					Analyst: SCC
Diesel Range C	Irganics (DRO)	ND	1.0	mg/L	1	4/11/2008 4:23:02 AM
Motor Oil Range	e Organics (MRO)	ND	5.0	mg/L	1	4/11/2008 4:23:02 AM
Surr: DNOP		107	58-140	%REC	1	4/11/2008 4:23:02 AM
EPA METHOD	8015B: GASOLINE RANG	È				Analyst: NSB
Gasoline Range	Organics (GRO)	53	5.0	mg/L	100	4/14/2008 12:39:44 PM
Surr: BFB		96.9	79.2-121	%REC	100	4/14/2008 12:39:44 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene		5700	100	µg/L	100	4/14/2008 12:39:44 PM
Toluene		2200	100	μg/L	100	4/14/2008 12:39:44 PM
Ethylbenzene		310	100	µg/L	100	4/14/2008 12:39:44 PM
Xylenes, Total		5500	200	µg/L	100	4/14/2008 12:39:44 PM
Surr: 4-Brom	ofluorobenzene	80.4	68.9-122	%REC	100	4/14/2008 12:39:44 PM

Date: 16-Apr-08

Qualifiers:

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Value exceeds Maximum Contaminant Level
 E Value above quantitation range

- J Analyte detected below quantitation limits
- 3 Maryto dolotiou bolow quantitation min
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- $\mathbf{B}^{\scriptscriptstyle \mathsf{C}}$ Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 6

CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804099 Largo Comp Station 0804099-02	•		Co	nt Sample ID: llection Date: ate Received: Matrix:	4/4/2008	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE		***			ang	Analyst: SCC
Diesel Range O	rganics (DRO)	6.8	1.0		mg/L	1	4/11/2008 4:56:48 AM
Motor Oil Range	e Organics (MRO)	ND	5.0		mg/L	1	4/11/2008 4:56:48 AM
Surr: DNOP		102	58-140		%REC	1	4/11/2008 4:56:48 AM
EPA METHOD	8015B: GASOLINE RANG	E					Analyst: NSB
Gasoline Range	Organics (GRO)	120	2.5		mg/L	50	4/14/2008 2:40:10 PM
Surr: BFB		230	79.2-121	S	%REC	50	4/14/2008 2:40:10 PM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene		15000	250		µg/L	250	4/14/2008 2:10:02 PM
Toluene		2100	50		µg/L	50	4/14/2008 2:40:10 PM
Ethylbenzene		380	50		µg/L	50	4/14/2008 2:40:10 PM
Xylenes, Total		4600	100		µg/L	50	4/14/2008 2:40:10 PM
Surr: 4-Brome	ofluorobenzene	91.8	68.9-122		%REC	50	4/14/2008 2:40:10 PM

B Analyte detected in the associated Method Blank

Date: 16-Apr-08

- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Qualifiers:

Value exceeds Maximum Contaminant Level
 E Value above quantitation range

- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Page 2 of 6

CLIENT:	Lodestar Services			Client Sample II		
Lab Order:	0804099			Collection Date		•
Project:	Largo Comp Station			Date Received		
Lab ID:	0804099-03			Matrix	AQUEO	US
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	weinerer winterscore				Analyst: SCC
Diesel Range C	Drganics (DRO)	ND	1.0	mg/L	1	4/11/2008 5:30:54 AM
Motor Oil Rang	e Organics (MRO)	ND	5.0	mg/L	1	4/11/2008 5:30:54 AM
Surr: DNOP		108	58-140	%REC	1	4/11/2008 5:30:54 AM
EPA METHOD	8015B: GASOLINE RANG	E				Analyst: NSB
Gasoline Range	e Organics (GRO)	4.2	0.50	mg/L	10	4/14/2008 4:10:49 PM
Surr: BFB		102	79.2 - 121	%REC	10	4/14/2008 4:10:49 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene		780	10	µg/L	10	4/14/2008 4:10:49 PM
Toluene	13	10	μg/L	10	4/14/2008 4:10:49 PM	
Ethylbenzene	81	10	µg/L	10	4/14/2008 4:10:49 PM	
Xylenes, Total	20	20	µg/L	10	4/14/2008 4:10:49 PM	
Surr: 4-Brom	ofluorobenzene	83.3	68.9-122	%REC	10	4/14/2008 4:10:49 PM

Date: 16-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804099 Largo Comp Station 0804099-04	•		Co	ate Receive	D: P-4 e: 4/4/2008 d: 4/9/2008 x: AQUEOU	
Analyses	· · · · · · · · · · · · · · · · · · ·	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE						Analyst: SCC
Diesel Range O	rganics (DRO)	ND	1.0		mg/L	-1	4/11/2008 6:05:01 AM
Motor Oil Range	e Organics (MRO)	ND	5.0		mg/L	1	4/11/2008 6:05:01 AM
Surr: DNOP		104	58-140		%REC	1	4/11/2008 6:05:01 AM
EPA METHOD	8015B: GASOLINE RANG	E			•		Analyst: NSB
Gasoline Range	Organics (GRO)	0.42	0.050		mg/L	1	4/14/2008 5:10:57 PM
Surr: BFB	· · ·	127	79.2-121	S	%REC	1	4/14/2008 5:10:57 PM
EPA METHOD	8021B: VOLATILES						Analyst: NSB
Benzene		ND	1.0		μg/L	1	4/14/2008 5:10:57 PM
Toluene	ND	1.0		µg/L	1	4/14/2008 5:10:57 PM	
Ethylbenzene	ND	1.0		µg/L	1	4/14/2008 5:10:57 PM	
Xylenes, Total	ND	2.0		µg/L	1	4/14/2008 5:10:57 PM	
Surr: 4-Brom	ofluorobenzene	95.5	68.9-122		%REC	1	4/14/2008 5:10:57 PM

Date: 16-Apr-08

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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CLIENT:	Lodestar Services			Client Sample	ID: P-5	
Lab Order:	0804099			Collection Da	ate: 4/4/2008	4:08:00 PM
Project:	Largo Comp Station			Date Receiv	ed: 4/9/2008	
Lab ID:	0804099-05			Mat	rix: AQUEOU	JS
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE			, ,	an and the Children of the State of the Stat	Analyst: SCC
Diesel Range C	Irganics (DRO)	ND	1.0	mg/L	1	4/11/2008 6:39:11 AM
Motor Oil Range	e Organics (MRO)	ND	5.0	mg/L	1	4/11/2008 6:39:11 AM
Surr: DNOP		104	58-140	%REC	1	4/11/2008 6:39:11 AM
EPA METHOD	8015B: GASOLINE RANG	E		· ·		Analyst: NSB
Gasoline Range	e Organics (GRO)	0.10	0.050	mg/L	1	4/14/2008 5:40:59 PM
Surr: BFB		101	79.2-121	%REC	1	4/14/2008 5:40:59 PM
	8021B: VOLATILES					Analyst: NSB
Benzene		ND	1.0	µg/L_	1	4/14/2008 5:40:59 PM
Toluene		ND	1.0	µg/L	1	4/14/2008 5:40:59 PM
Ethylbenzene		ND	1.0	µg/L	1	4/14/2008 5:40:59 PM
Xylenes, Total		ND	2.0	μg/L	1	4/14/2008 5:40:59 PM
Surr: 4-Bromofluorobenzene		81.4	68.9-122	%REC	1	4/14/2008 5:40:59 PM

Date: 16-Apr-08

Qualifiers:

Value exceeds Maximum Contaminant LevelE Value above quantitation range

- E Value above quantitation rangeJ Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level

RL Reporting Limit

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CLIENT: Lab Order: Project: Lab ID:	Lodestar Services 0804099 Largo Comp Station 0804099-06		· ·	Client Sample I Collection Dat Date Receive Matri	te:	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: GASOLINE RANG	E		***		Analyst: NSB
Gasoline Range	e Organics (GRO)⊷	ND	0.050	mg/Լ	1	4/14/2008 6:10:59 PM
Surr: BFB		103	79.2-121	%REC	1	4/14/2008 6:10:59 PM
EPA METHOD	8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	μg/L	1	4/14/2008 6:10:59 PM	
Toluene		ND	1.0	μg/L	1	4/14/2008 6:10:59 PM
Ethylbenzene		ND	1.0	μg/L	1	4/14/2008 6:10:59 PM
Xylenes, Total	ND	2.0	µg/L	1	4/14/2008 6:10:59 PM	

68.9-122

%REC

87.7

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Date: 16-Apr-08

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4/14/2008 6:10:59 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- ${\bf B}$ Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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QA/QC SUMMARY REPORT

Client: Lodestar Ser	vices			•				
Project: Largo Comp	Station						W	ork Order: 080409
Analyle	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit Qual
Method: EPA Method 8015B: D	iesel Range		· .				An abraia Dat	400000 6:24:40
Sample ID: MB-15598		MBLK 			Batch I	D: 15598	Analysis Dat	e: 4/9/2008 6:31:40 I
Diesel Range Organics (DRO)	ND	mg/L	1.0					
Motor Oil Range Organics (MRO)	ND	mg/L LCS	5.0		Batch I	D: 15598	Analysis Dat	e: 4/9/2008 7:05:50 I
Sample ID: LCS-15598							Analysis Dat	G. 4/9/2000 / .00.001
Diesel Range Organics (DRO)	4.932	mg/L	1.0	98.6	74 R-4-6 I	157	An-lusia Dat	ALO (2000 7-20)26 I
Sample ID: LCSD-15598		LCSD			Batch I		Analysis Dat	
Diesel Range Organics (DRO)	5.511	mg/L	1.0	110	74	157	11.1	23
Method: EPA Method 8015B: G	asoline Ran	ige MBLK			Batch I	D: R28074	Analysis Dat	e: 4/11/2008 3:56:21 I
Sample ID: 5ML RB					Datoni	D. R200/4	Analysis Dat	e. 4/11/2008 5.50.211
Gasoline Range Organics (GRO)	ND	mg/L	0.050		D -1-1-1			
Sample ID: 6ML RB		MBLK			Batch I	D: R28092	Analysis Dat	e: 4/14/2008 9:08:40 /
Gasoline Range Organics (GRO)	ND	mg/L	0.050					
Sample ID: 2.5UG GRO LCS		LCS			Batch I		Analysis Dat	e: 4/12/2008 5:35:13 /
Gasoline Range Organics (GRO)	0.5218	mg/L	0.050	104	80	115		• •
Sample ID: 2.5UG GRO LCS		LCS			Batch I	D: R28092	Analysis Dat	e: 4/14/2008 9:11:39 I
Gasoline Range Organics (GRO)	0.5128	mg/L	0.050	103	80	115		
Sample ID: 2,5UG GRO LCSD		LCSD			Batch I	D: R28074	Analysis Dat	e: 4/12/2008 6:05:21 /
Gasoline Range Organics (GRO)	0.5546	mg/L	0.050	111	80	115	6.09	8.39
Method: EPA Method 8021B: V	olatiles							
Sample ID: 5ML RB	•	MBLK		·	Batch II	D: R28074	Analysis Dat	e: 4/11/2008 3:56:21 F
Benzene	ND	µg/L	1.0					
Toluene	ND	µg/L	1.0					
Ethylbenzene	ND	μg/L	1.0					
Kylenes, Total	ND	µg/L	2.0					
Sample ID: 100NG BTEX LCS		LCS			Batch I	D: R28074	Analysis Dat	e: 4/12/2008 6:35:31 A
Benzene	20.87	μg/L	1.0	104	85.9	113		
Foluene	21.60	µg/L	1.0	108	86.4	113		
Ethylbenzene	20.84	μg/L	1.0	104	83.5	118		
Kylenes, Total	63.32	µg/L	2.0	106	83.4	122		
Sample ID: 100NG BTEX LCSD		LCSD			Batch II	D: R28074	Analysis Dat	e: 4/12/2008 7:05:41 /
Benzene	20.74	µg/L	1.0	104	85.9	113	0.663	27
Foluene	21.49	µg/L	1.0	107	86.4	113	0.529	19
Ethylbenzene	20.97	µg/L	1.0	105	83.5	118	0.622	10
Kylenes, Total		µg/L	2.0	107	83.4	122	0.993	13

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

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	Sample	Rec	eipt Ch	ecklist				
Client Name LODESTAR SERVICES				Date Receive	:d:		4/9/2008	
Work Order Number 0804099	M.		i l	Received by	/: AT abels checked	by	R	
Checklist completed by:	Man		C/19 Date	108			Initials	
Matrix	Carrier name	Gre	<u>yhound</u>					
Shipping container/cooler in good condition?		Yes		No 🗔	Not Present			
Custody seals intact on shipping container/coole	r?	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 r	eceived?	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 🗍				
Water - VOA vials have zero headspace?	No VOA vials subm	nitted		Yes 🗹	No 🗔			
Water - Preservation labels on bottle and cap ma	itch?	Yes		No 🗀	N/A 🗹			
Water - pH acceptable upon receipt?		Yes		No 🗔	N/A 🗹			
Container/Temp Blank temperature?			1°	<6° C Acceptab				
COMMENTS:				If given sufficient	t time to cool.			·
	======					 		
Client contacted	Date contacted:			Pers	on contacted			
Contacted by:	Regarding							
Comments:								
		•••		· · · · · · · · · · · · · · · · · · ·				
		_						
Corrective Action								
					· · · · ·			

HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE, Suite D	Hall Environmental Hall Envivolt Hall V						808, 8520 8520 8520 8530 8530 8530 8530 8530 8530 8530 853		<u>}</u>				<u>></u>				Remarks:				
04/0C Package: Std dd Level 4 🗖 Other:		Largo Lamp. Station	Project #:		Project Manager:	Ashley Ager	Sampler: Ashley Ager	Sample Temperature:	Nimber/Animo Preservative JEAN No. 2	H9C12 HNO3 HCI NR		N - N	5- 7	h - 1	<u>`</u>	1 - i		· ·	2	14/9/03 Du-1/930	Received By: (Signature)
CHAIN-OF-CUSTODY RECORD	Client: Ashley Ager	25	Address: Po Box 4465	Durango, CD 81302			# 970 946 1093		Date Matrix Samule (D No		04.04-08 15340 Gimlazzz P-1	04-04-08 1552 Granding P-2	040408 1557 ground P-3	ourotes loot great Put	otex-a 1008 grand P-5	ON-OHUS OTO WATCH TRIP BUNK				Date: Time: Relinquished By: (Signature)	Date: Time: Relinquishe&By: (SignateAre)