R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745 Artesia ▲ Carlsbad ▲ Durango ▲ Midland

November 13, 2015

RECEIVED

By OCD; Dr. Oberding at 11:33 am, Nov 16, 2015

Dr. Tomáš Oberding Ms. Kellie Jones NMOCD District 1 1625 French Drive Hobbs, New Mexico 88240 VIA EMAIL

APPROVED conditionally

By OCD; Dr. Oberding at 11:33 am, Nov 16, 2015

1RP-3820

RE: Remediation Plan for Paloma State #1 - API # 30-025-31153 8/25/15 Tank Battery Release.\, UL O, Section 36, T18S R32E Strata Production

Dr. Oberding and Ms. Jones:

OCD Conditions for approval:
If at the conclusion of the proposed time, the project is deemed unsuccessful as outlined herein, the operator will be responsible for excavation and removal of the impacted soils.

On behalf of Strata Production, R.T. Hicks Consultants submits Remediation Plan for the above referenced release. For the purpose of ease of review this plan includes three sections:

- 1. Environmental Setting
- 2. Investigation and Results
- 3. Contractor instructions

Environmental Setting

Plate 1 shows the location of the Paloma State #1 location on a surface geology map that displays groundwater from nearby wells and wells listed on the OSE database. The elevation data are from the USGS database (colored triangles), published reports or field data obtained by Hicks Consultants (colored squares). These measurements are taken by professionals.

Wells from the OSE database are shown as triangles within circles and show depth to water data. Wells in the OSE database are often mis-located (e.g. L-3454 is not evident on any Google Earth images) and the depth to water measurements are estimates from drillers obtained after completing the well. Sometimes, this database provides reasonable data and sometimes the data are seriously flawed.

Plate 2 shows the measured water elevation data and an interpretation of the potentiometric surface based upon the relatively sparse data. Note that two USGS wells near the site show a difference of water elevations in excess of 200 feet. USGS well 1018 is 850 feet deep and USGS well is 130 feet deep. For the potentiometric surface interpretation we used the shallow water data.

The data suggest that groundwater lies at an elevation of about 3550 beneath the site. As the site has a surface elevation of 3710, depth to water is about 160 feet.

In this area, the uppermost water-bearing unit is the Dockum Group Redbeds. This unit can be confined or unconfined (non-pressurized). The lithology of this unit typically consists of relatively thin, discontinuous lenses of sandstone within a siltstone/claystone matrix. At the base of the Dockum Group is the continuous Santa Rosa Sandstone, which is the principal aquifer of the unit.

The site is relatively flat, sloping from northeast to south-southwest. There are no defined watercourses nearby. The nearest water body is Laguna Tonto, about 6 miles to the southeast (Plate 3). The nearest mapped watercourses lie about 4 miles north. Our surface investigation shows no watercourses near the site as it is characterized by sand dunes.

Initial Response, Sampling and Results

About 2-3 days prior to the lightning strike that caused the release, the produced water tank was emptied. Thus, the volume of produced water released was close to zero. Tank gauging data allows a fairly good estimate of the volume of crude released: 110 barrels. Knowing how much of the release crude was consumed by the fire is unknown. Figures 1-2 show the site soon after the fire. Plate 4 shows our interpretation of the area where ash and evidence of the fire is dominant and where ash and residual liquid is dominant. We found only one area in the zone of ash that exhibited some liquids; a 2-foot by 2-foot area where a crude tank landed.

The initial response by Strata involved using a backhoe/end loader to scoop the crude from the surface. The crew removed as much liquid crude as possible, creating a stockpile of impaired material near the heater treater. The area of impact (ash and residual oil) was then dragged by the end-loader of the backhoe to cover the crude to reduce the potential of exposure to cattle. Figures 3 and 4 show the result of the initial response.

Hicks Consultants obtained several samples on September 2, 2015 and October 1, 2015. The samples were taken from various places measured from the heater treater. The photograph Figure 5 shows the boring for Sample 93S 5E (93 feet south of the heater treater and 5 feet east of due south) and illustrates the nature of all sample locations: the crude is either 100% of a particular volume of earth or 0%. At each of the five sampling locations taken in September, the boring terminated at dune sand that showed no evidence of any release (recent crude, old crude, produced water). We found no evidence of crude below a depth of 6-18 inches. The October 1 sampling event used a backhoe to excavate eight sampling trenches within the area of impact. The laboratory results of the sampling are presented in Table 1 and Appendix A.

	Table 1- Laboratory Results										
Samp	le ID				Results	in mg/kg			Date		
		Depth									
South	East	(inches)	BTEX	GRO	DRO	MRO	TPH	Chloride			
90	86	9						ND	1-Sep		
90	86	0-4	6.25	1400	12000	0	13400	63	1-Sep		
93	5	12	0	37	350	290	677	2600	1-Sep		
93	13	4	0	19	490	390	899	1300	1-Sep		
94	22	2		ND	ND	ND		3800	1-Oct		
104	16	2		94.1	1200	1800	3094.1	1600	1-Oct		
104	16	4						2500	1-Oct		
104	16	10						100	1-Oct		
120	10	18						3200	1-Sep		
120	10	0-16	9	1300	3500	1900	6700	2100	1-Sep		
140	10	24	_	_				3500	1-Sep		
Stockpile			0.068	17	2200	2500	4717	3700	1-Sep		

We also used field titration methods to estimate chloride concentrations from many samples obtained on October 1. The samples results as well as all of the laboratory results are presented in the following table. Comments relating to the results appear to the right of the table.

Table 2- Field and Laboratory Chloride

Table 2- Fleiu			1 1
Sample ID	Depth - feet	Cl mg/kg	
60 s 26 e	2	308.9	1
60 s 26 e	4	277.0	
90 s 86 e	0.25	63	Lab
90 s 86 e	0.75	0	Lab
93 s 5 e	1	2600	Lab
93 s 13 e	4	1300	Lab
94 s 22 e	2	3800.0	Lab
94 s 22 e	2	2130.4	
94 s 22 e	2	3848.6	
94 s 22 e	4		
		180.4	+
94 s 22 e	4	325.1	+
94 s 22 e	6	192.1	
94 s 22 e	6	125.0	
94 s 22 e	8	265.0	
94 s 22 e	10	331.4	
104 s 16 e	2	1576.8	
104 s 16 e	2	1600.0	Lab
104 s 16 e	2	1688.9	
104 s 16 e	4	2454.9	
104 s 16 e	4	2539.4	
104 s 16 e	4	2500.0	Lab
104 s 16 e	6	131.2	
104 s 16 e	8	399.9	
104 s 16 e	10	344.1	
105 s 16 e	10	100.0	Lab
105 s 16 e	10	153.1	Lab
120 s 10 e	0-1.3	2100	Lab
120 s 10 e	1.5	3200	Lab
131 s 16e	2	73.3	+
131 s 16 e 131 s 16 e	4	83.9 75.6	
131 s 16 e	6	171.8	
131 s 28 e	2	2204.6	
131 s 28 e	2	2427.8	
131 s 28 e	4	3102.2	
131 s 28 e	4	2686.4	
131 s 28 e	6	3456.1	
131 s 28 e	8	1574.4	+
132 s 28 e	10	207.0	Lob
140 s 10 e 161 s 0 e	2	3500 106.7	Lab
161 s 0 e	2	78.7	+
161 s 0 e	4	99.6	+
161 s 21 e	2	3147.5	†
161 s 21 e	2	3198.5	
161 s 21 e	4	2917.5	
161 s 21 e	8	111	
161 s 21 e	10	76.0	-
Stockpile		3700	

The sample 90 s 86 e was a crude-rich sample where the crude tank landed to the east of the pad after the lighting strike. We collected this sample to determine if BTEX was present where staining existed. BTEX and chloride were very low.

The agreement between laboratory results and field titration is quite good.

Chloride concentrations are low below 4 feet in the area from the heater treater (0,0) to about 100 feet south of the heater treater.

Obvious crude staining occurs from about 100 feet south of the heater treater to the southern edge of the former battery.

Agreement between field titrations and lab results are quite good.

Correlation between lab and field methods for this sample are acceptable.

The sample 131 s 16 e is near the pad and is low in chloride. Spilled produced water and crude drained to the east as shown in the figures.

Where the produced water pooled, near 131 s 28e, penetration of chloride reached about 8 feet.

Near the production pad, chloride concentrations are low.

Penetration of chloride to 6 feet is obvious from sample 161 s 21 e.

Proposed Remedy

Strata Production has elected to address the most recent release and, as a voluntary action, address any historic impacts beneath the tank battery. The attached contractor instructions provide the proposed step-by-step remedial plan for phyto-remediation¹ of stained soil and chloride flushing of soil that does not contain hydrocarbon constituents. As suggested in the attached Contractor Instructions, the proposed remediation will consist of

- A. Moving stained soil from the stockpile created during the initial response (Figure 4) and any stained soil excavated during construction of the remediation area to the southern portion (see Plate 6) of the remediation area.
- B. Tilling the stained soil to break up the released crude into smaller particles perhaps 1-3 inches in width/length
- C. Placing unstained sand/soil with chloride concentrations greater than 800 mg/L over the rototilled stained soil
- D. Allowing several precipitation events to flush salt from the stained soil and provide moisture to the hydrocarbon-impacted material
- E. Early in the 2016 monsoon season, seeding the area to create a root zone where microbes will, over time, degrade the crude
- F. Annual sampling events to document the growth of native species and to provide evidence of the disintegration and degradation of the hydrocarbons and flushing of salt.

Please contact me as necessary after your review of this document. We stand ready to submit a final C-141 if the proposed protocol meets with approval.

Sincerely,

R.T. Hicks Consultants

Randall Hicks Principal

Copy: Paul Ragsdale, Strata Production

State Land Office

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¹ A reasonable overview of the phytoremediation process is provided in https://clu-in.org/download/Citizens/a citizens guide to phytoremediation.pdf

Contractor Instructions - Strata Production Paloma State #1

- 1. Remove crude-stained soil in the area northeast of the battery (where the tank fell) with a rake, shovel and wheel barrow to the existing Stockpile (Stockpile #S shown in Figure 4— for stained soil).
- 2. In the footprint of the remediation area (Plate 5) remove
 - a. stained material to 3-feet below the elevation of the production pad to Stockpile S
 - b. unstained material to 1 to 2-feet below production pad Stockpile UCl (Unstained with chloride)
 - c. As sand near the production pad shows chloride less than 800 mg/kg, place it in a third stockpile (C clean sand). This material will be used to create the berms discussed below.
 - d. The result will be an excavation that is 3 foot below the grade of the constructed location in the phyto-remediation area (green) and 2-feet below the pad in the flushing area (yellow).
 - e. **Note**: The evaluation shows that stained soil does not exist below 24 inches in most of the area scheduled for excavation and is not present in the soil flushing area.
- 3. In the phytoremediation area (beneath the tanks in Plate 5),
 - a. Place the material of Stockpile S such that it is 6-inches thick <u>or less</u> and at least 2 feet below the elevation of the production pad. Expand the phyto-remediation area as needed to allow for thin-spreading this material.
 - b. Roto till or otherwise disaggregate the stained material such that the size of the stained particles is less than 2-inches in diameter
 - c. Place the material of Stockpile UCl over the stained material such that this layer is 12-inches or less expand the phytoremediation
 - i. area as required to maintain the top of the placed material about 12- inches below the elevation of the production pad.
 - d. Using clean sand from the excavation or caliche borrowed from the
 - i. production pad, construct a berm around the phytoremediation area such that the top of the berm is at least 12 inches above the elevation of the production pad
- 4. The soil flushing area (the northern portion of the remediation area that contains little or no hydrocarbons) should also be about 1-foot below the elevation of the production pad. This will be accomplished by excavating clean sand from the remediation area as necessary
- 5. As shown in Plates 4-5,
 - a. Construct a swale that is about 150 feet long and about 1-2 inches below the elevation of the production pad to direct runoff toward the bermed remediation area
 - b. Where the swale meets the berm of the remediation area, install a culvert through the berm to allow directed stormwater to enter the remediation area
 - c. Install a culvert on the north side of the remediation area that is the same elevation as the pad to allow flow of water to a constructed ponding area as shown on Plate 5. Place all clean sand from this construction on the berms of the remediation area as this will facilitate final reclamation as described below.
- 6. Install a barbed wire fence around the remediation area.

Post Construction Monitoring

- Soon after completion of this construction, the phytoremediation be sampled by Hicks Consultants in 5 locations:
 - Two locations within the area defined by the former tanks
 - o Three locations outside of the area of the former tanks
- Depths of sampling are
 - o 0-12 inches (chloride-impacted sand),
 - o 12-24 inches (stained soil),
 - o Discrete samples at 36, 48, 60 and 72 inches
- For the initial sampling event and October annual events, samples will be obtained at the depths identified above and a laboratory will evaluate samples for
 - o chloride.
 - GRO, DRO and MRO
- In May-July 2015, after the first rainfall events, seed the phytoremediation area with native species to begin the phytoremediation process within the root zone of the plants
- On a quarterly basis, obtain 5 additional samples at locations described above and use field techniques to evaluate the samples for chloride at the following depths
 - \circ 0-12 inches
 - o 12-24 inches
 - Discrete sample at 36 inches
- On a quarterly basis, provide sample results and photographic documentation
 of the conditions at the site (condition of berms, vegetative growth, condition of
 drainage) to OCD and the SLO.
- The program terminates when two post-construction monitoring events meet the following criteria
 - Average chloride is less than 800 mg/kg for the samples at the five locations above 24-inches
 - Average chloride is less than 20,000 mg/kg for the samples at the five locations below 24 inches
 - Average GRO+DRO+MRO is less than 2,500 mg/kg (averaged over all depths and locations)
 - GRO+DRO is less than 1,000 mg/kg (averaged over all depths and locations)

After sampling shows compliance with the criteria of this plan, use the clean sand of the berms to reclaim the remediation area such that the upper surface of the remediation area is 4-feet below natural grade. Essentially, the final surface will be the reconstruction of nearby dunes and final restoration of this part of the production pad.



Figure 1 – The remains of the fiberglass produced water tank is in the foreground. One of the two oil tanks is in the background. Some liquid crude is on the location and some of the black material in the photograph is ash from the fire.



Figure 2 – One oil tank landed in the nearby pasture.



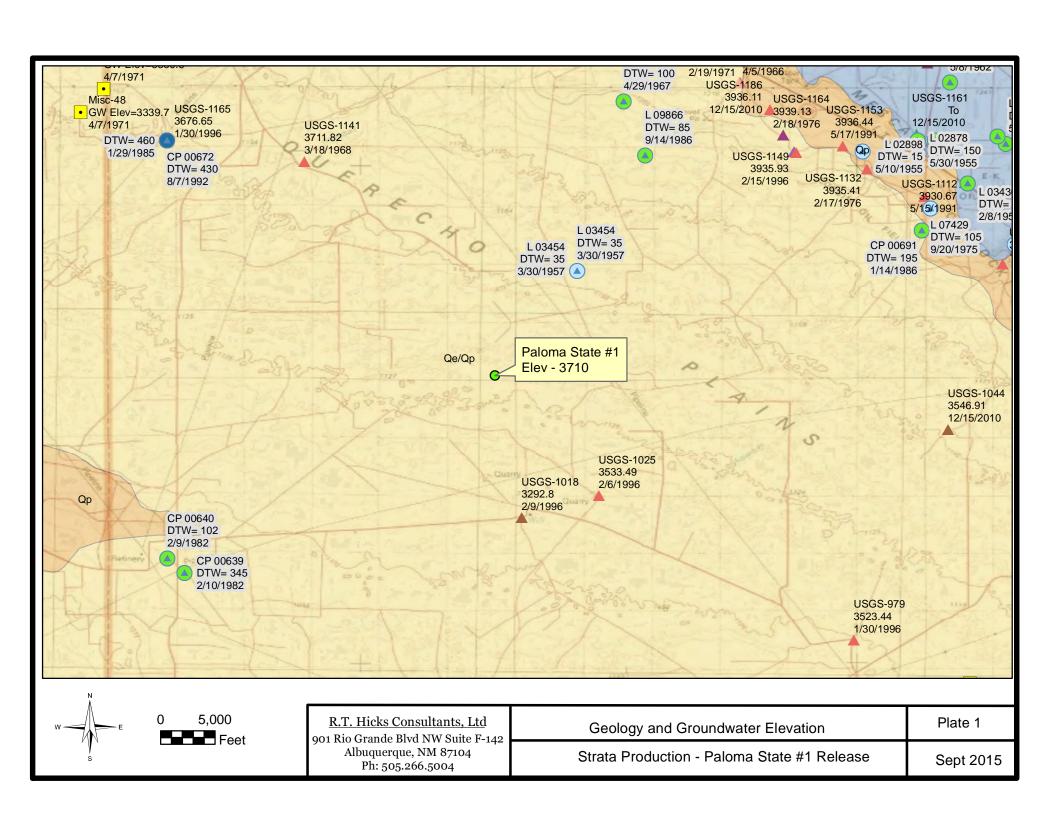
Figure 3 — View to the south from the same location as Figure 1. The initial response removed as much liquid crude as possible with a backhoe, creating a stockpile of impaired material near the heater treater. The area of impact (ash and residual oil) was then dragged by the end-loader of the backhoe to cover the crude to reduce the potential of exposure to cattle.

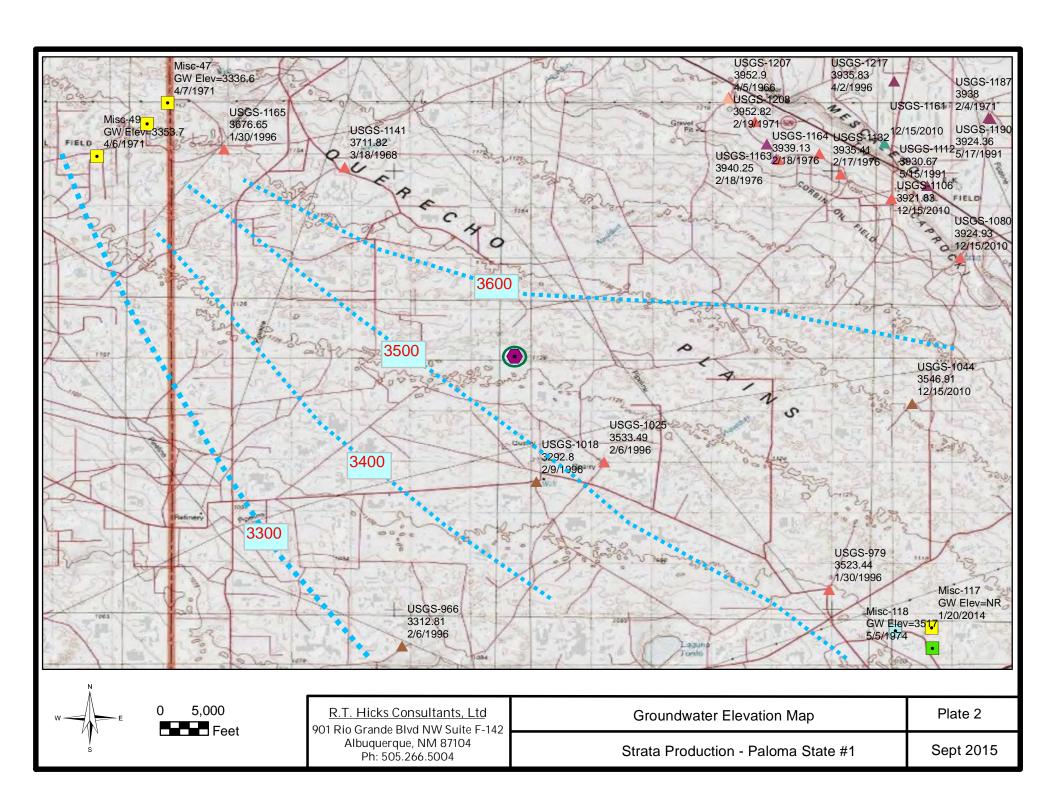


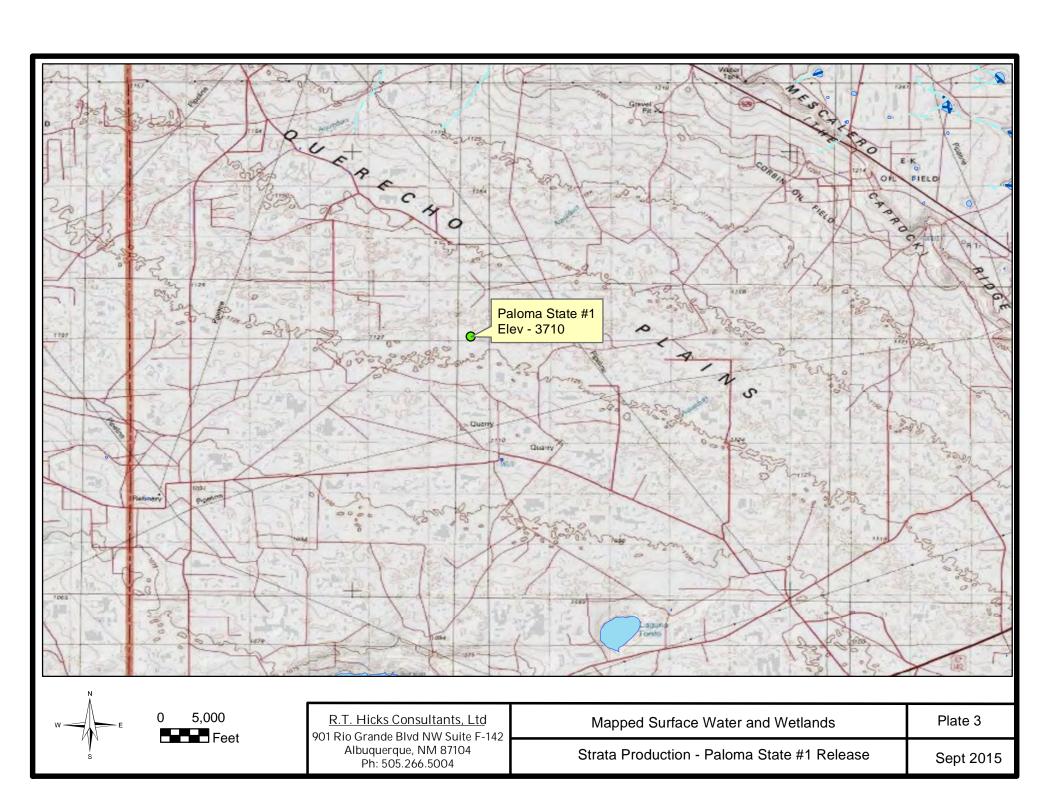
Figure 4 – View north from the access road. The tank battery was north of the yellow pipeline marker (center of photograph). The stockpile of impacted sand is near the heater treater (left). This image also shows the stabilized dunes that characterize the area. The new tank battery will be north of the yellow pipeline marker.

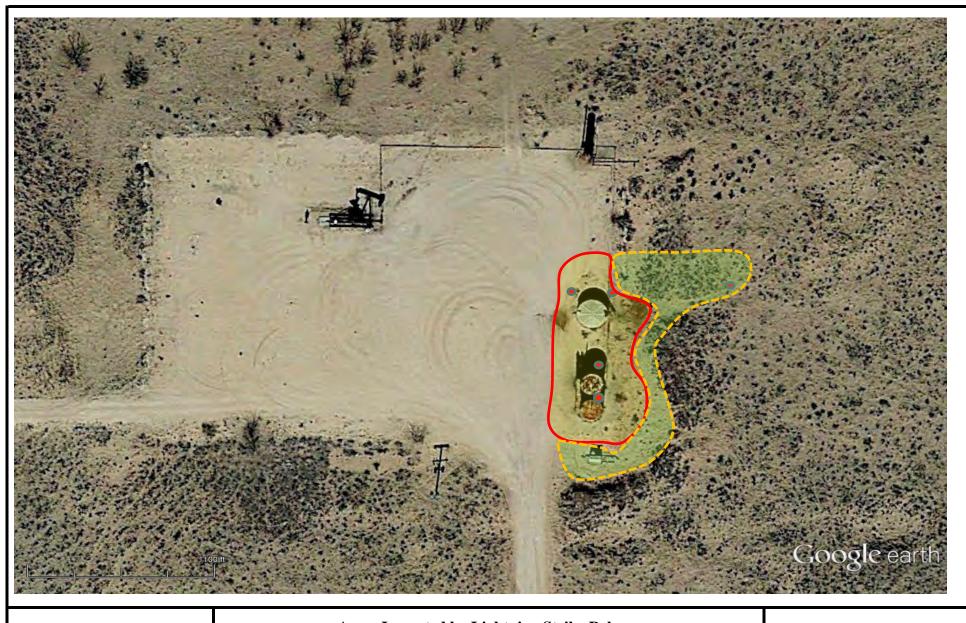


Figure 5 — Sample 93S 05E (measured from the heater treater) is a 12-inch boring. This sample, like all samples, shows that the crude oil is in discrete, small pockets. Thus, a 1-oz sample could be 100% crude or 100% clean dune sand. The largest pocket of crude observed during the sampling was slightly smaller than a football.









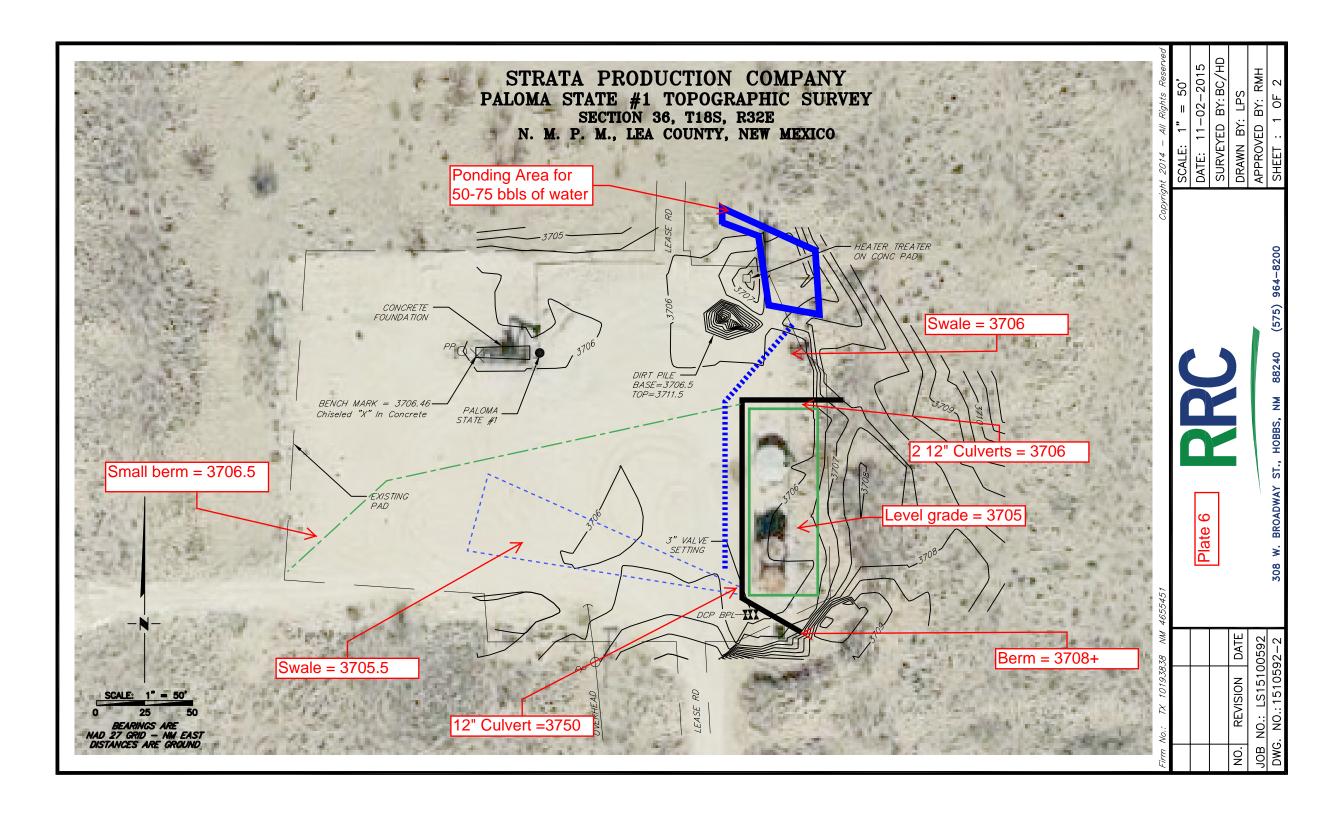
R.T. Hicks Consultants
Albuquerque, NM

Areas Impacted by Lightning Strike Release	Plate 4
Red Outline = Liquids and Ash & Orange Outline - Ash	riate 4

Strata Production - Paloma State #1

Sep-15

STRATA PRODUCTION COMPANY PALOMA STATE #1 TOPOGRAPHIC SURVEY SECTION 36, T18S, R32E N. M. P. M., LEA COUNTY, NEW MEXICO Plate 5 TOPOGRAPHIC BOUNDARY AREA B LEASE 3705 3705.76 HEATER TREATER ON CONC PAD 3704.85 3706.37 CONCRETE: FOUNDATION PPQ DIRT PILE — BASE=3706.5 TOP=3711.5 3707.84 PALOMA BENCH MARK = 3706.46 Chiseled "X" In Concrete 3707. EXISTING PAD 3" VALVE SETTING 3706.62 3705.63 3707.39 DCP BPL 3705.23 3705.90 RD OVERHEAD LEASE TOPOGRAPHIC BOUNDARY AREA HOWE Μ. MEX I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief. 19680 25' BEARINGS ARE GRID NAD 27 NM EAST DISTANCES ARE HORIZ. GROUND. ESS/ONAL Robert M. Howett TX 10193838 NM 4655451 SCALE: 1" = 50 DATE: 11-02-2015 SURVEYED BY: BC/HD NO. REVISION DATE DRAWN BY: LPS APPROVED BY: RMH JOB NO.: LS1510592 DWG. NO.: 1510592-1 308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200 SHEET: 1 OF 2



Amigo Simulations - Paloma #1 Release

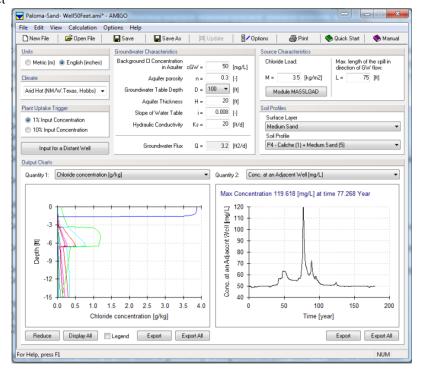
Two Hydrus-1D simulations using API's Amigo Decision Tool employ site-specific data and, where such data are not readily available, highly conservative input parameters. The result of the two simulations presented in the following reports is that the proposed flushing of chloride to below the root zone will not impair groundwater quality.

Site data include:

- > Depth to groundwater is greater than 100 feet
- ➤ Hydraulic gradient is 0.008
- ➤ Medium sand is the surface layer
- Chloride concentration (chloride load) in the subsurface is less than 3700 mg/kg, which is displayed for the 0-2.5 foot thickness in the simulation
- ➤ The climate is similar to Hobbs, NM

Conservative assumptions are:

- ➤ The simulation model is 1-D, thus lateral dispersion of chloride is not allowed
- ➤ The plant uptake trigger is 1% which prevents transpiration by plants until salinity decreases to 1% of the initial concentration
- ➤ The aquifer is a water table aquifer, which is not common in the Dockum Group (most permeable units are confined)
- The thickness of the aquifer and hydraulic conductivity are equal to or lower than what is expected in the Dockum Group sandstone
- Artificial flushing of the impacted area with fresh water does not occur



We used the same input parameters as those identified above and evaluated two scenarios of vadose zone texture beneath the surface layer:

- 1. 17% caliche and 83% medium sand and
- 2. 8% sandy clay and 92% medium sand

In fact, the vadose zone in this area is probably comprised of less than 50 feet of relict and reworked Ogallala Formation overlying the red mudstones of the Dockum Group. Thus, the choice of a relatively sandy vadose zone is a conservative input parameter and would exaggerate the impact of the release to groundwater.

The proposed flushing of the vadose zone with diverted storm water should result in numerous times during the year when the impact site lies beneath 12 inches of ponded fresh water. The periodic impoundment of fresh water over the impacted area will accelerate the downward migration of chloride molecules. Thus, center of chloride mass will penetrate a water table aquifer sooner than the 75 year time span predicted by the two simulations.

However, the chloride concentration of pore water released from the vadose zone to groundwater will be much less. Amigo predicts that the chloride concentration of pore water of the medium sand surface layer of the site (about 3800 mg/kg) will be about 19,000 mg/L with a water content of 38% (e.g. the pores are 100% filled by released produced water). The volume of pore space in the 2.5 foot thick surface layer is equivalent to (2.5*.38=) 0.95 feet of water. If the impacted area is impounded by 12 inches of water 10 times during the first two years of the corrective action, the concentration of chloride in the pore water would decline to about 2,000 mg/L

After two years of flushing, the root zone should be able to support vegetation and the diversion of storm water to the area will cease and the chloride concentration of pore water beneath the root zone would be about 2,000 mg/L. The last simulation presented provides a rough estimate of the impact to groundwater under this scenario by adjusting the chloride load input to cause the pore water concentration in pore water underlying the root zone to be about 2,000 mg/L. The result of this last simulation suggests that the dilution of salt in the pore water lessens the impact to groundwater.

Project: Paloma-Sand+Caliche.ami

Path: M:\Strata Production\Paloma State #1 Release\Amigo\Paloma-Sand+Caliche.ami

Date: 11/14/2015 Units: English (inches)

Climate: Arid Hot (NM/W.Texas, Hobbs)
Plant Uptake Trigger: 1% Input Concentration

Groundwater Characteristics

Background CI Concentration in Aquifer: 50 [mg/L]

Aquifer porosity: 0.3 [-]

Groundwater Table Depth: 100 [ft]

Aquifer Thickness: 20 [ft] Slope of Water Table: 0.008 [-] Hydraulic Conductivity: 20 [ft/d] Groundwater Flux: 3.2 [ft2/d]

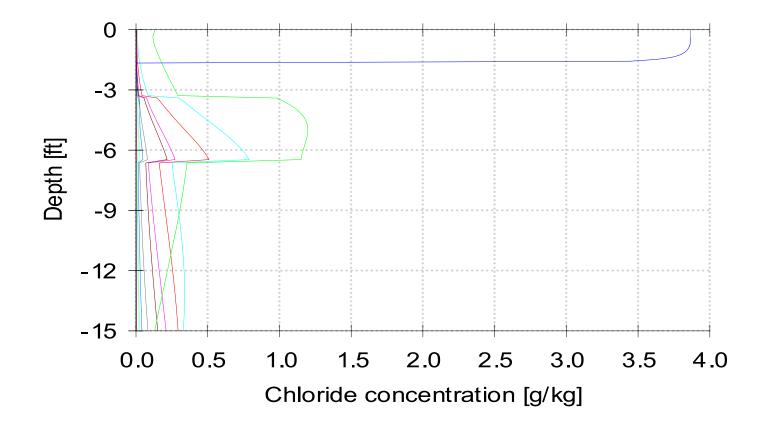
Source Characteristics Chloride Load:: 3.5 [kg/m2]

Max. length of the spill in direction of GW flow:: 75 [ft]

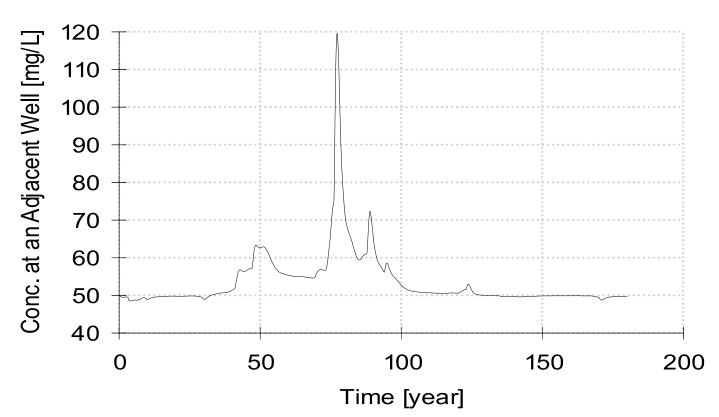
Soil Profiles

Surface Layer: Medium Sand

Soil Profile: P4 - Caliche (1) + Medium Sand (5)



Max Concentration 119.618 [mg/L] at time 77.268 Year



Project: Paloma-Sand+SandyClay.ami

Path: M:\Strata Production\Paloma State #1 Release\Amigo\Paloma-Sand+SandyClay.ami

Date: 11/14/2015 Units: English (inches)

Climate: Arid Hot (NM/W.Texas, Hobbs)
Plant Uptake Trigger: 1% Input Concentration

Groundwater Characteristics

Background CI Concentration in Aquifer: 50 [mg/L]

Aquifer porosity: 0.3 [-]

Groundwater Table Depth: 100 [ft]

Aquifer Thickness: 20 [ft] Slope of Water Table: 0.008 [-] Hydraulic Conductivity: 20 [ft/d] Groundwater Flux: 3.2 [ft2/d]

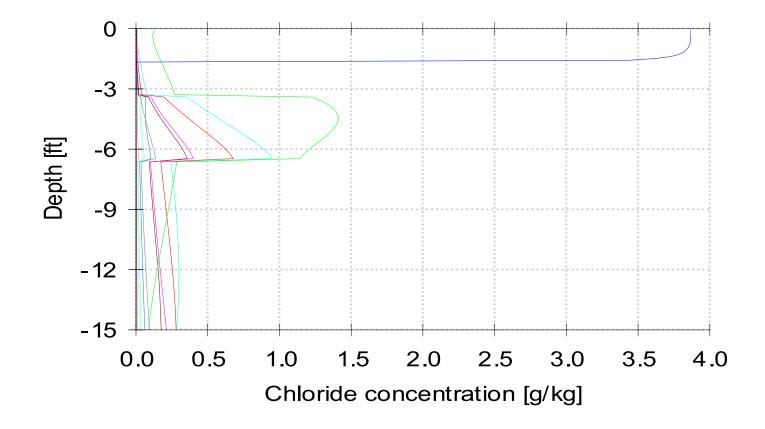
Source Characteristics Chloride Load:: 3.5 [kg/m2]

Max. length of the spill in direction of GW flow:: 75 [ft]

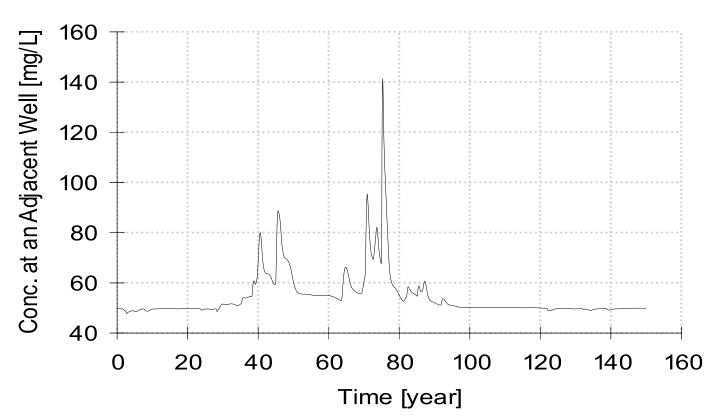
Soil Profiles

Surface Layer: Medium Sand

Soil Profile: P2 - Sandy Clay (1) + Medium Sand (11)



Max Concentration 14 1.290 [mg/L] at time 75.312 Year



Project: Paloma-Sand+SandyClay+Flushing.ami

Path: M:\Strata Production\Paloma State #1 Release\Amigo\Paloma-Sand+SandyClay+Flushing.ami

Date: 11/14/2015 Units: English (inches)

Climate: Arid Hot (NM/W.Texas, Hobbs)
Plant Uptake Trigger: 1% Input Concentration

Groundwater Characteristics

Background CI Concentration in Aquifer: 50 [mg/L]

Aquifer porosity: 0.3 [-]

Groundwater Table Depth: 100 [ft]

Aquifer Thickness: 20 [ft]
Slope of Water Table: 0.008 [-]
Hydraulic Conductivity: 20 [ft/d]
Groundwater Flux: 3.2 [ft2/d]

Source Characteristics

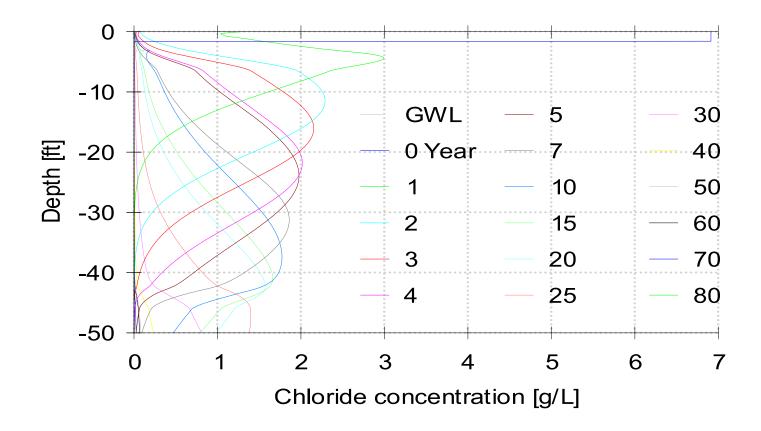
Chloride Load:: 1.25 [kg/m2]

Max. length of the spill in direction of GW flow:: 75 [ft]

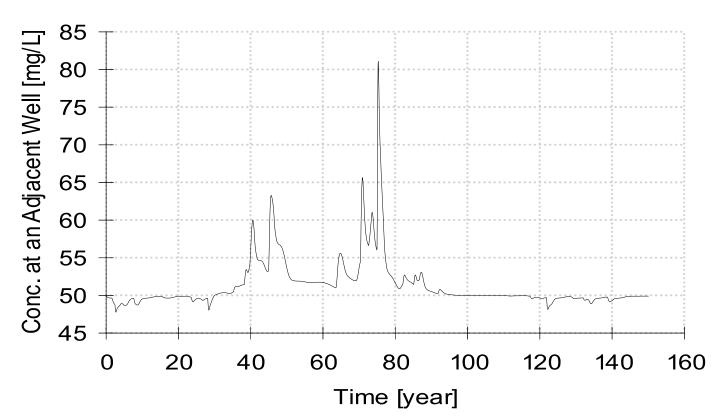
Soil Profiles

Surface Layer: Medium Sand

Soil Profile: P2 - Sandy Clay (1) + Medium Sand (11)



Max Concentration 81.121 [mg/L] at time 75.312 Year





Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 16, 2015

Randall Hicks

R.T. Hicks Consultants, LTD 901 Rio Grande Blvd. NW Suite F-142

Albuquerque, NM 87104 TEL: (505) 266-5004 FAX (505) 266-0745

RE: Paloma Release OrderNo.: 1509253

Dear Randall Hicks:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/4/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **1509253**Date Reported: **9/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: Stockpile HT

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:04:00 PM

 Lab ID:
 1509253-001
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	3700	750	mg/Kg	500	9/9/2015 10:02:50 PM	21206
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	17	5.0	mg/Kg	1	9/9/2015 6:54:08 PM	21177
Surr: BFB	116	70-130	%REC	1	9/9/2015 6:54:08 PM	21177
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	2200	120	mg/Kg	10	9/11/2015 9:02:16 AM	21186
Motor Oil Range Organics (MRO)	2500	620	mg/Kg	10	9/11/2015 9:02:16 AM	21186
Surr: DNOP	0	57.9-140	S %REC	10	9/11/2015 9:02:16 AM	21186
EPA METHOD 8260B: VOLATILES S	SHORT LIST				Analyst	: AG
Benzene	ND	0.050	mg/Kg	1	9/9/2015 6:54:08 PM	21177
Toluene	0.068	0.050	mg/Kg	1	9/9/2015 6:54:08 PM	21177
Ethylbenzene	ND	0.050	mg/Kg	1	9/9/2015 6:54:08 PM	21177
Xylenes, Total	ND	0.10	mg/Kg	1	9/9/2015 6:54:08 PM	21177
Surr: 1,2-Dichloroethane-d4	94.7	70-130	%REC	1	9/9/2015 6:54:08 PM	21177
Surr: 4-Bromofluorobenzene	83.3	70-130	%REC	1	9/9/2015 6:54:08 PM	21177
Surr: Dibromofluoromethane	99.9	70-130	%REC	1	9/9/2015 6:54:08 PM	21177
Surr: Toluene-d8	88.3	70-130	%REC	1	9/9/2015 6:54:08 PM	21177

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S $\,\,$ $\,$ % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**Date Reported: **9/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 98 S 13W 4"

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:26:00 PM

 Lab ID:
 1509253-002
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	1300	750	mg/Kg	500	9/9/2015 10:27:38 PM	21206
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	19	5.0	mg/Kg	1	9/9/2015 7:22:55 PM	21177
Surr: BFB	115	70-130	%REC	1	9/9/2015 7:22:55 PM	21177
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	490	11	mg/Kg	1	9/11/2015 10:51:57 AM	21186
Motor Oil Range Organics (MRO)	390	55	mg/Kg	1	9/11/2015 10:51:57 AM	21186
Surr: DNOP	110	57.9-140	%REC	1	9/11/2015 10:51:57 AM	21186
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	: AG
Benzene	ND	0.050	mg/Kg	1	9/9/2015 7:22:55 PM	21177
Toluene	ND	0.050	mg/Kg	1	9/9/2015 7:22:55 PM	21177
Ethylbenzene	ND	0.050	mg/Kg	1	9/9/2015 7:22:55 PM	21177
Xylenes, Total	ND	0.10	mg/Kg	1	9/9/2015 7:22:55 PM	21177
Surr: 1,2-Dichloroethane-d4	93.5	70-130	%REC	1	9/9/2015 7:22:55 PM	21177
Surr: 4-Bromofluorobenzene	76.0	70-130	%REC	1	9/9/2015 7:22:55 PM	21177
Surr: Dibromofluoromethane	97.2	70-130	%REC	1	9/9/2015 7:22:55 PM	21177
Surr: Toluene-d8	86.2	70-130	%REC	1	9/9/2015 7:22:55 PM	21177

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**Date Reported: **9/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 120 S 10E 0-16"

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:54:00 PM

 Lab ID:
 1509253-003
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	2100	750	mg/Kg	500	9/9/2015 10:52:27 PM	21206
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	:: RAA
Gasoline Range Organics (GRO)	1300	100	mg/Kg	20	9/10/2015 2:31:33 PM	21177
Surr: BFB	107	70-130	%REC	20	9/10/2015 2:31:33 PM	21177
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	8			Analyst	: KJH
Diesel Range Organics (DRO)	3500	110	mg/Kg	10	9/11/2015 12:14:07 PM	21186
Motor Oil Range Organics (MRO)	1900	540	mg/Kg	10	9/11/2015 12:14:07 PM	21186
Surr: DNOP	0	57.9-140	S %REC	10	9/11/2015 12:14:07 PM	21186
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	: AG
Benzene	ND	0.050	mg/Kg	1	9/9/2015 7:51:43 PM	21177
Toluene	1.2	0.050	mg/Kg	1	9/9/2015 7:51:43 PM	21177
Ethylbenzene	1.5	0.050	mg/Kg	1	9/9/2015 7:51:43 PM	21177
Xylenes, Total	6.3	0.10	mg/Kg	1	9/9/2015 7:51:43 PM	21177
Surr: 1,2-Dichloroethane-d4	95.7	70-130	%REC	1	9/9/2015 7:51:43 PM	21177
Surr: 4-Bromofluorobenzene	112	70-130	%REC	1	9/9/2015 7:51:43 PM	21177
Surr: Dibromofluoromethane	96.1	70-130	%REC	1	9/9/2015 7:51:43 PM	21177
Surr: Toluene-d8	95.6	70-130	%REC	1	9/9/2015 7:51:43 PM	21177

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**

Date Reported: 9/16/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 140 S 10E 24"

 Project:
 Paloma Release
 Collection Date: 9/2/2015 4:01:00 PM

 Lab ID:
 1509253-004
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	/st: SRM
Chloride	3500	750	mg/Kg	500 9/10/2015 11:57:48 A	AM 21248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**

Date Reported: 9/16/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 120 S 10E 18"

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:53:00 PM

 Lab ID:
 1509253-005
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	/st: SRM
Chloride	3200	750	mg/Kg	500 9/10/2015 12:22:36 F	PM 21248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**Date Reported: **9/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 90 S 86E 0-4

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:30:00 PM

 Lab ID:
 1509253-006
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SRM
Chloride	63	30		mg/Kg	20	9/10/2015 12:35:01 PM	21248
EPA METHOD 8015D MOD: GASOLI	NE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	1400	99		mg/Kg	20	9/10/2015 3:00:21 PM	21177
Surr: BFB	107	70-130		%REC	20	9/10/2015 3:00:21 PM	21177
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S				Analyst	KJH
Diesel Range Organics (DRO)	12000	1100		mg/Kg	100	9/10/2015 6:53:21 PM	21186
Motor Oil Range Organics (MRO)	ND	5400		mg/Kg	100	9/10/2015 6:53:21 PM	21186
Surr: DNOP	0	57.9-140	S	%REC	100	9/10/2015 6:53:21 PM	21186
EPA METHOD 8260B: VOLATILES S	SHORT LIST					Analyst	AG
Benzene	ND	0.050		mg/Kg	1	9/9/2015 8:20:29 PM	21177
Toluene	0.31	0.050		mg/Kg	1	9/9/2015 8:20:29 PM	21177
Ethylbenzene	0.94	0.050		mg/Kg	1	9/9/2015 8:20:29 PM	21177
Xylenes, Total	5.0	0.099		mg/Kg	1	9/9/2015 8:20:29 PM	21177
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	9/9/2015 8:20:29 PM	21177
Surr: 4-Bromofluorobenzene	20.5	70-130	S	%REC	1	9/9/2015 8:20:29 PM	21177
Surr: Dibromofluoromethane	104	70-130		%REC	1	9/9/2015 8:20:29 PM	21177
Surr: Toluene-d8	88.1	70-130		%REC	1	9/9/2015 8:20:29 PM	21177

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S $\,\,$ $\,$ % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1509253

Date Reported: 9/16/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 90 S 86E 9'

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:53:00 PM

 Lab ID:
 1509253-007
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analyst:	SRM
Chloride	ND	30	mg/Kg	20 9/10/2015 1:24:40 PM	21248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 7 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order **1509253**Date Reported: **9/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: 93 S 05E 12"

 Project:
 Paloma Release
 Collection Date: 9/2/2015 3:22:00 PM

 Lab ID:
 1509253-008
 Matrix: SOIL
 Received Date: 9/4/2015 9:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	2600	750	mg/Kg	500	9/10/2015 2:01:53 PM	21248
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: RAA
Gasoline Range Organics (GRO)	37	5.0	mg/Kg	1	9/10/2015 3:29:06 PM	21177
Surr: BFB	115	70-130	%REC	1	9/10/2015 3:29:06 PM	21177
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	350	11	mg/Kg	1	9/11/2015 1:36:21 PM	21186
Motor Oil Range Organics (MRO)	290	53	mg/Kg	1	9/11/2015 1:36:21 PM	21186
Surr: DNOP	113	57.9-140	%REC	1	9/11/2015 1:36:21 PM	21186
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	: RAA
Benzene	ND	0.050	mg/Kg	1	9/10/2015 3:29:06 PM	21177
Toluene	ND	0.050	mg/Kg	1	9/10/2015 3:29:06 PM	21177
Ethylbenzene	ND	0.050	mg/Kg	1	9/10/2015 3:29:06 PM	21177
Xylenes, Total	ND	0.10	mg/Kg	1	9/10/2015 3:29:06 PM	21177
Surr: 1,2-Dichloroethane-d4	93.5	70-130	%REC	1	9/10/2015 3:29:06 PM	21177
Surr: 4-Bromofluorobenzene	78.6	70-130	%REC	1	9/10/2015 3:29:06 PM	21177
Surr: Dibromofluoromethane	100	70-130	%REC	1	9/10/2015 3:29:06 PM	21177
Surr: Toluene-d8	87.7	70-130	%REC	1	9/10/2015 3:29:06 PM	21177

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 8 of 12
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509253**

16-Sep-15

Client: R.T. Hicks Consultants, LTD

Project: Paloma Release

Sample ID MB-21206 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 21206 RunNo: 28738

Prep Date: 9/9/2015 Analysis Date: 9/9/2015 SeqNo: 871283 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-21206 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 21206 RunNo: 28738

Prep Date: 9/9/2015 Analysis Date: 9/9/2015 SeqNo: 871284 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 94.1 90 110

Sample ID MB-21248 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 21248 RunNo: 28773

Prep Date: 9/10/2015 Analysis Date: 9/10/2015 SeqNo: 872640 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-21248 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 21248 RunNo: 28773

Prep Date: 9/10/2015 Analysis Date: 9/10/2015 SeqNo: 872641 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 96.3 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- P Sample pH Not In RangeRL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **1509253**

16-Sep-15

Client: R.T. Hicks Consultants, LTD

Project: Paloma Release

Sample ID MB-21186 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics PBS Client ID: Batch ID: 21186 RunNo: 28739 Prep Date: 9/8/2015 Analysis Date: 9/10/2015 SeqNo: 872207 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 102 57.9 140

Sample ID LCS-21186	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	n ID: 21	186	R	RunNo: 2	8739				
Prep Date: 9/8/2015	Analysis D	ate: 9/	10/2015	S	SeqNo: 8	72208	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	119	57.4	139			
Surr: DNOP	5.9		5.000		117	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **1509253**

16-Sep-15

Client: R.T. Hicks Consultants, LTD

Project: Paloma Release

Sample ID Ics-21177	SampType: LCS			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: LCSS	Batch ID: 21177			RunNo: 28737						
Prep Date: 9/8/2015	Analysis Date: 9/9/2015			SeqNo: 871550 Units: m			Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	70	130			
Toluene	0.88	0.050	1.000	0	87.9	70	130			
Ethylbenzene	0.95	0.050	1.000	0	94.7	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.7	70	130			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.4	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.0	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.45		0.5000		90.1	70	130			

Sample ID mb-21177	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: 21177		RunNo: 28737							
Prep Date: 9/8/2015	Analysis Date: 9/9/2015		SeqNo: 871551 Units: m			Units: mg/K	g/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.2	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.45		0.5000		90.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **1509253**

16-Sep-15

Client: R.T. Hicks Consultants, LTD

Project: Paloma Release

Talonia	recicuse						
Sample ID Ics-21177	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 21177	RunNo: 28737					
Prep Date: 9/8/2015	Analysis Date: 9/9/2015	SeqNo: 871419	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Gasoline Range Organics (GRO)	23 5.0 25.00	0 90.2 70	123				
Surr: BFB	540 500.0	109 70	130				
Sample ID mb-21177	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: PBS	Batch ID: 21177	RunNo: 28737					
Prep Date: 9/8/2015	Analysis Date: 9/9/2015	SeqNo: 871420	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Gasoline Range Organics (GRO)	ND 5.0						
Surr: BFB	550 500.0	109 70	130				
Sample ID Ics-21199	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 21199	RunNo: 28788					
Prep Date: 9/9/2015	Analysis Date: 9/10/2015	SeqNo: 873066	Units: %REC				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: BFB	550 500.0	109 70	130				
Sample ID mb-21199	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range				
Client ID: PBS	Batch ID: 21199	RunNo: 28788					
Prep Date: 9/9/2015	Analysis Date: 9/10/2015	SeqNo: 873067	Units: %REC				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: BFB	550 500.0	110 70	130				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuguergue, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Work Order Number: 1509253 RcptNo: 1 Client Name: **RT HICKS** 09/04/15 Received by/date: anne Alm 9/4/2015 9:25:00 AM Logged By: **Anne Thorne** anne Am Completed By: Anne Thorne 9/8/2015 Reviewed By: Chain of Custody Not Present Yes 🗌 1. Custody seals intact on sample bottles? Yes 🔽 No 🗌 Not Present 2. Is Chain of Custody complete? Client 3. How was the sample delivered? Log In Yes 🗸 No 🗆 NA \square 4. Was an attempt made to cool the samples? NA 🔲 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗌 No 🔽 Approved by client. Yes 🗹 No 🗌 Sample(s) in proper container(s)? No \square 7. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗔 8. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗆 Yes 9. Was preservative added to bottles? No VOA Vials No 🗌 Yes 🗌 10. VOA vials have zero headspace? Yes 🗀 No 🗸 11. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗹 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗔 13. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Yes 🔽 14. Is it clear what analyses were requested? No 🗌 Checked by: Yes 🗹 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes 🗌 No 🗌 16. Was client notified of all discrepancies with this order? Date Person Notified: ☐ eMail Phone Fax In Person Via: By Whom: Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Condition Seal Intact | Seal No Seal Date Signed By Temp ºC 6.9 Good Not Present

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Σ	OR	_	Albuquerque, NM 87109	107				(,		09 11-11	məS) 0728	X	イ	\mathcal{N}	-X	<u> </u>	X			_			40/6	ĺ
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Ш	ANALYSIS	www.hallenvironmental.com	1	2	Ana		(CIVIC	017			PAH's (831 M 8 AЯЭЯ							_		-		-	approved temp.	
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Turn-Around Ti	Z Standard	Project Name:	PACOMA	Project #:		Project Manager:		Sampler:	On Ice:	Sample Temperature:	Container Type and #												Received by: Received by:	
Chain-of-Custody Record	Hoke					R. @ rthicks com suct. 100	☐ Level 4 (Full Validation)	,			Sample Request ID	STOUKANE HT	985 13W 4"	1,30 \$ 105 0-16"	lin	101 71	Set,	_	935 OSE 12"			(ing by:	
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hain-	4	-	Mailing Address:		#:	r Fax#:	QA/QC Package: Z Standard	itation	٦ <u>۲</u>	EDD (Type)	Time	नुऽऽ।	1526	1554	160)	1533	530		1522				Time:	
ပ	Client:		Mailing		Phone #:	email or Fax#:	QA/QC Packa	Accreditation	□ NELAP		Date	7.6	2	9	9.5	5.5	25	6.7	9.5				Date:	

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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

October 13, 2015

Randall Hicks
RT HICKS
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104
TEL:
FAX

RE: Paloma OrderNo.: 1510114

Dear Randall Hicks:

Hall Environmental Analysis Laboratory received 4 sample(s) on 10/2/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **1510114**

Date Reported: 10/13/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: RT HICKS Client Sample ID: 104 S 16E 2'

 Project:
 Paloma
 Collection Date: 10/1/2015 1:41:00 PM

 Lab ID:
 1510114-001
 Matrix: SOIL
 Received Date: 10/2/2015 12:20:00 PM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	t: LGT
Chloride	1600	750		mg/Kg	500	10/7/2015 6:47:43 PM	21731
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S				Analyst	t: KJH
Diesel Range Organics (DRO)	1200	100		mg/Kg	10	10/8/2015 3:48:58 PM	21643
Motor Oil Range Organics (MRO)	1800	500		mg/Kg	10	10/8/2015 3:48:58 PM	21643
Surr: DNOP	0	57.9-140	S	%REC	10	10/8/2015 3:48:58 PM	21643
EPA METHOD 8015D: GASOLINE RA	ANGE					Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/6/2015 4:30:10 PM	21666
Surr: BFB	94.1	75.4-113		%REC	1	10/6/2015 4:30:10 PM	21666

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order **1510114**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/13/2015

CLIENT: RT HICKS Client Sample ID: 104 S 16E 4'

 Project:
 Paloma
 Collection Date: 10/1/2015 1:45:00 PM

 Lab ID:
 1510114-002
 Matrix: SOIL
 Received Date: 10/2/2015 12:20:00 PM

Analyses	Result	RL Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	yst: LGT
Chloride	2500	750	mg/Kg	500 10/7/2015 7:12:33 PI	M 21731

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical ReportLab Order **1510114**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/13/2015

CLIENT: RT HICKS Client Sample ID: 104 S 16E 10'

 Project:
 Paloma
 Collection Date: 10/1/2015 1:58:00 PM

 Lab ID:
 1510114-003
 Matrix: SOIL
 Received Date: 10/2/2015 12:20:00 PM

Analyses	Result	RL Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Ana	alyst: LGT
Chloride	100	30	mg/Kg	20 10/7/2015 7:49:47	PM 21731

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S $\,\,$ % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical ReportLab Order **1510114**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 10/13/2015

CLIENT: RT HICKS Client Sample ID: 94 S 22E 2'

 Project:
 Paloma
 Collection Date: 10/1/2015 3:21:00 PM

 Lab ID:
 1510114-004
 Matrix: SOIL
 Received Date: 10/2/2015 12:20:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	3800	750	mg/Kg	500	10/7/2015 8:27:01 PM	21731
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANIC	S			Analys	t: KJH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/8/2015 5:51:18 AM	21643
Motor Oil Range Organics (MRO)	ND	64	mg/Kg	1	10/8/2015 5:51:18 AM	21643
Surr: DNOP	114	57.9-140	%REC	1	10/8/2015 5:51:18 AM	21643
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/6/2015 4:53:15 PM	21666
Surr: BFB	90.3	75.4-113	%REC	1	10/6/2015 4:53:15 PM	21666

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1510114**

13-Oct-15

Client: RT HICKS
Project: Paloma

Sample ID MB-21731 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 21731 RunNo: 29381

Prep Date: 10/7/2015 Analysis Date: 10/7/2015 SeqNo: 893383 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-21731 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 21731 RunNo: 29381

Prep Date: 10/7/2015 Analysis Date: 10/7/2015 SeqNo: 893384 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.9 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 5 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1510114**

13-Oct-15

Client: Project:	RT HICK Paloma	XS .									
Sample ID	MB-21652	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 21	652	F	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis D	Date: 10	0/5/2015	5	SeqNo: 8	90900	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		7.9		10.00		78.7	57.9	140			
Sample ID	LCS-21652	SampT	ype: LC	cs	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	LCSS	Batch	n ID: 21	652	F	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis D)ate: 1	0/5/2015	9	SeqNo: 8	90901	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.7		5.000		94.7	57.9	140			
Sample ID	MB-21643	SampT	уре: МІ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 21	643	F	RunNo: 2	9273				
Prep Date:	10/2/2015	Analysis D	oate: 10	0/7/2015	5	SeqNo: 8	94135	Units: mg/l	K g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	ND	10								
	ge Organics (MRO)	ND	50	10.00		104	F7.0	140			
Surr: DNOP		10		10.00		104	57.9	140			
Sample ID	LCS-21643	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:			n ID: 21			RunNo: 2					
Prep Date:	10/2/2015	Analysis D	oate: 10	0/7/2015	(SeqNo: 8	94136	Units: mg/l	K g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
=	Organics (DRO)	44	10	50.00	0	88.9	57.4	139			
Surr: DNOP		4.8		5.000		95.7	57.9	140			
Sample ID	MB-21679	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	PBS	Batch	n ID: 21	679	F	RunNo: 2	9273				
Prep Date:	10/6/2015	Analysis D	oate: 10	0/8/2015	5	SeqNo: 8	94236	Units: %RE	C		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		10		10.00		105	57.9	140			
Sample ID	LCS-21679	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	LCSS	Batch	n ID: 21	679	F	RunNo: 2	9273				
Prep Date:	10/6/2015	Analysis D)ate: 1	0/8/2015	5	SeqNo: 8	94238	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.6		5.000		112	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 6 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1510114**

13-Oct-15

Client: RT HICKS
Project: Paloma

Sample ID MB-21666 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 21666 RunNo: 29332

Prep Date: 10/5/2015 Analysis Date: 10/6/2015 SeqNo: 892323 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 870 1000 86.6 75.4 113

Sample ID LCS-21666 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 21666 RunNo: 29332

Prep Date: 10/5/2015 Analysis Date: 10/6/2015 SeqNo: 892324 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Gasoline Range Organics (GRO)
 26
 5.0
 25.00
 0
 103
 79.6
 122

 Surr: BFB
 940
 1000
 94.1
 75.4
 113

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 7 of 7



4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com

Client	Name:	RT HICKS		Work Order N	umber:	1510114		RcptNo:	1
Receive	ed by/date	:	AT 101	62/15					
Logged	Ву:	Anne Thor	те	10/2/2015 12:20	:00 PM		ame Sham	_	
Comple	ted By:	Anne Thor	ne	10/5/2015	١		anne Am	_	
Review	ed By:	XX		ID/DE	115				
<u>Chain</u>	of Cust	tody	\	- 10 (0	1.				
1. Cus	stody seal	s intact on sa	mple bottles?			Yes \square	No 🗔	Not Present 🗹	
2. Is C	hain of C	ustody compl	ete?			Yes 🗹	No 🗌	Not Present	
3. Hov	v was the	sample deliv	ered?			Client			
Log lr	<u>2</u>								
4. Wa	ıs an atte	mpt made to	cool the sampl	es?		Yes 🗸	No 🗌	na 🗆	
5. We	re all sam	iples received	l at a tempera	ture of >0° C to 6.0°	С	Yes 🗹	No 🗀	na 🗆	
6. Sai	mple(s) in	proper conta	iner(s)?			Yes 🗸	No 🗌		
7. Suf	ficient sar	nple volume i	or indicated te	est(s)?		Yes 🗹	No 🗌		
8. Are	samples	(except VOA	and ONG) pro	perly preserved?		Yes 🗹	No 🗆		
9. Wa	s preserv	ative added to	bottles?			Yes \square	No 🗹	NA 🗆	
						🗖	· [7]	Na VOA VIIIa la	
		ve zero head	•			Yes ∐	No 🗌	No VOA Vials	
11. We	ere any sa	mple contain	ers received b	roken?		Yes 🗀	No 🗹	# of preserved	
12 Dos	es naneru	ork match bo	ttle labels?			Yes 🗹	No 🗆	bottles checked for pH:	
			ain of custody)					or >12 unless noted)
13. Are	matrices	correctly ider	ntified on Chai	n of Custody?		Yes 🗹	No 🗆	Adjusted?	
			ere requested	?		Yes 🗹	No ∐	01 1 15	
		ling times abl				Yes 🗹	No ∐	Checked by:	
(IT I	ю, пошу	customer for a	authorization.)						
Specie	al Hand	ling (if app	dicable)						
				vith this order?		Yes 🗌	No 🗌	NA 🗹	
IO. Wa			screpancies w			169	NO L	III 🗷	٦
		Notified:			Date				
	By Wh	¥			Via:	eMail	Phone Fax	In Person	
	Regard			and the second s	*. 2. *				
4-		Instructions:	- 10				+ <u>F - + +</u>	· · ·	
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Project Name: Project Name	stody Record	Turn-Around Time:	HALL ENVIRONMENTAL
Project Varme. Proj	: theks		ANALYSIS LABORATORY
Project #:		Project Name:	www.hallenvironmental.com
Project #: Project Manager: C.C. Project Manager: C.C.	ress:	FROMA	
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Sult 104 S 166 2' 1 Gluss	Matrix	Preservative Type	THEX + MT THE 8015B TPH (Methors (B31 PAH's (831 PAH's
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