SITE INFORMATION

Report Type: Closure Report 1RP-1518

General Site Information:						
Site:	**Wyatt A Federal**					
Company:	**ConocoPhillips**					
Section, Township and Range	**Unit Letter E**	**Sec. 33**	**T 17 S**	**R 33 E**		
Lease Number:	**Associated API No. N/A**					
County:	**Lea**					
GPS:	**32.794661°**			**-103.674247°**		
Surface Owner:	**Private**					
Mineral Owner:	**BLM**					
Directions:	Depart from Maljamar (NM1/NM82), head south on NM126A for 0.6 miles. Turn left (east) onto Mescalero Rd for 5.8 miles. Turn right (south) onto Dog Lake Rd for 89 feet. Turn left (southeast) for 0.5 miles. Turn left (northeast) for 0.2 miles. Turn right (south) onto production road for 400 feet.					

Release Data:		
Date Released:	7/29/2007	
Type Release:	Oil	
Source of Contamination:	300 bbl steel tank	
Fluid Released:	21 bbls	
Fluids Recovered:	4 bbls	

Official Communication:			
Name:	Marvin Soriwei		Christian M. Llull
Company:	Conoco Phillips - RMR		Tetra Tech
Address:	935 N. Eldridge Pkwy.		8911 North Capital of Texas Highway
			Building 2, Suite 2310
City:	Houston, Texas 77079		Austin, Texas
Phone number:	(832) 486-2730		(512) 338-2861
Fax:			
Email:	marvin.soriwei@conocophillips.com		christian.llull@tetratech.com

Site Characterization	
Shallowest Depth to Groundwater:	*165' below surface*
Impact to groundwater or surface water:	*No*
Extents within 300 feet of a watercourse:	*No*
Extents within 200 feet of lakebed, sinkhole, or playa la	*No*
Extents within 300 feet of an occupied structure:	*No*
Extents within 500 horizontal feet of a private water wel	*No*
Extents within 1000 feet of any water well or spring:	*No*
Extents within incorporated municipal well field:	*No*
Extents within 300 feet of a wetland:	*No*
Extents overlying a subsurface mine:	*No*
Karst Potential:	*Low*
Extents within a 100-year floodplain:	*No*
Impact to areas not on a production site:	*No*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*N/A*	*2500 mg/kg*	*20,000 mg/kg*

TETRA TECH

February 12, 2021

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Closure Request
ConocoPhillips
1RP-1518
Wyatt A Federal Battery Release
PLSS Unit Letter E, Section 33, Township 17 South, and Range 33 East
Lea County, New Mexico
1RP-1518
Incident ID nPAC0722530906

Sir or Madam:

On behalf of ConocoPhillips (COP), Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The COP Wyatt A Federal Battery Release area (Site) is located approximately 6.7 miles southeast of Maljamar in Lea County, New Mexico. The Site coordinates are 32.794661°, -103.674247°, located in the Public Land Survey System (PLSS) Unit Letter E, Section 33, Township 17 South, and Range 33 East. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), on July 29, 2007 a release of 21 barrels (bbls) of oil occurred from a hole at the bottom of a 300-bbl steel tank at the Wyatt A Federal Battery. The affected area was reported as 10-feet (ft) by 1,100-ft of prepared location pad and roadway. Figure 3 depicts the footprint of the initial release. During initial response activities, a vacuum truck recovered approximately 4 bbls of the released fluids. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on July 29, 2007. The NMOCD approved the initial C-141 on August 3, 2007 and assigned the release the Remediation Permit (RP) number 1RP-1518. Incident ID nPAC0722530906 was assigned to this release. The 1RP-1518 release is included in an Agreed Compliance Order-Releases (ACO-R) between COP and the NMOCD signed on May 7 and 9, 2019, respectively.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, playa lakes, sinkholes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area.

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there are no water wells within 800 meters (approximately ½ mile) of the Site. The search radius was expanded and two (2) water wells were located within 1,600 meters (approximately 1 mile) of the release location. The average depth to groundwater is 165 ft below ground surface (bgs). The site characterization data is shown in Appendix B.

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REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

Constituent	Remediation RRAL
Chloride	20,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation RRALs for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

Constituent	Reclamation RRAL
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg

SITE ASSESSMENT ACTIVITIES

Tetra Tech was contacted to assess the release site footprint on behalf of COP in 2007. A Work Plan to perform a subsurface investigation at the Site (dated August 10, 2007) was prepared by Tetra Tech on behalf of COP and submitted to the NMOCD (Appendix C). This Work Plan is found in the NMOCD imaging database for the 1RP-1518 release. Tetra Tech commenced site assessment activities on September 20, 2007. In accordance with activities proposed in the Work Plan, Tetra Tech excavated six (6) exploratory trenches (T-1 through T-6) within the release extent to achieve vertical and horizontal delineation of the release. The approximate release footprint is shown in Figure 3.

During the assessment activities, three (3) 15-ft-long trenches were excavated in the release extent across the impacted road area (T-1, T-2, and T-3). Two (2) trenches were excavated on the back side of the battery (T-4 and T-5), and one (1) trench was excavated adjacent to the leaking tank location (T-6). Soil samples were collected every 5 feet from three (3) locations (clean left, affected area, clean right) in each of the three trenches excavated across the road. Soil samples collected from the trenches were field tested using salinity and electrical conductivity (EC) field screening techniques to achieve vertical and horizontal delineation of the release.

Six (6) soil samples from each road trench (T-1, T-2, T-3) and two (2) soil samples from each trench in and around the battery (T-4, T-5, T-6) were collected for laboratory analysis. The sampling interval was based on EC field screening, and on the judgment of the field personnel. The soil sample with the highest EC measurement and the sample from the excavation total depth were retained for laboratory analysis.

A total of twenty-four (24) samples were collected from the six (6) trenches and submitted to TestAmerica Laboratories, Inc in Houston Texas, where they were analyzed for chloride (USEPA Method 300.0A), electrical conductivity (Standard Method 2510B SW-846 Method 9050A), diesel and gasoline range hydrocarbons (TPH_{DRO} and TPH_{GRO}, Method 8015) and BTEX (Method 8260). In addition, one (1) basal sample for the trench inside the bermed catch basin was analyzed for BTEX and chloride synthetic precipitation leaching potential ($SPLP_{BTEX}$ and $SPLP_{Cl}$; USEPA Method 1312/8015 & 300.0A, respectively). Site assessment activities and results were documented by Tetra Tech in a Findings Report dated

November 28, 2007 (Appendix E). Copies of laboratory analysis and chain-of-custody documentation are included in Appendix A of the Findings Report. The results of the 2007 assessment sampling events are summarized in Table 1. The exploratory trench locations are shown in Figure 4. Photographic documentation of the release footprint and investigation activities is presented in Appendix D.

Email correspondence records (Appendix F) indicate that the November 28, 2007 Findings Report was submitted to the NMOCD and the Bureau of Land Management (BLM) for approval. The Findings Report presented the data collected and concluded with recommendations for remedial actions at the Wyatt A Federal Battery Release area. The analytical results associated with the assessment were above the RRAL for TPH (100 mg/kg). The remedial action proposed within the Findings Report consisted of excavation and removal of the impacted soils to depths of 3 to 4 ft bgs. Post-excavation, a liner was proposed for the remaining impacted soils in the T-3/battery area. The BLM and the NMOCD approved the proposed remedial work plan in email correspondence with Tetra Tech, dated December 3 and December 4, 2007, respectively (Appendix F).

REMEDIAL ACTIVITIES

In accordance with the proposed remedial work plan in the approved Findings Report, Tetra Tech personnel began remedial activities at the site in April 2008 on behalf of COP. From April to May 2008, Tetra Tech personnel were onsite to supervise the remediation activities at the Site, including excavation, disposal and confirmation sampling. The remedial activities and confirmation sampling results were documented in a Request for Closure report, dated September 5, 2008 (Appendix G). It is unclear whether this Closure Request was officially submitted to the NMOCD and the BLM.

As documented in the Request for Closure Report, the release extent was subdivided into 19 individual sample cells (C-1 through C-19). Soils were excavated to depths of approximately 3 to 4 ft bgs near the battery (sample cells C-1, C-2, C-3), and soils along the road (sample cells C-4 through C-19) were excavated to depths of 5 to 10 ft bgs. Random screening occurred every 50 ft using a PID, PetroFlag-TPH, and chloride field screening to determine that remediation levels have been achieved (PID reading <10 ppm, chloride titration <500 ppm). Confirmation sampling cell locations are shown in Figure 5. Excavated material was hauled to a NMOCD-approved facility for disposal. The excavated areas were backfilled with clean soil.

A total of fifty-five (55) samples were collected from the nineteen (19) sample cells, and submitted to SPL, Inc. in Houston Texas, where they were analyzed for chloride (USEPA Method 300.0A), electrical conductivity (Standard Method 2510B SW-846 Method 9050A), diesel and gasoline range hydrocarbons (TPH_{DRO} and TPH_{GRO}, Method 8015) and BTEX (Method 8260). Copies of laboratory analysis and chain-of-custody documentation are included in the Appendix to the Request for Closure report (Appendix G). The results of the 2008 confirmation sampling events are summarized in Table 2. Through review of available data, a final signed C-141 was located, however, there was no additional correspondence between NMOCD and Tetra Tech indicating that the Final C-141 was submitted and/or approved by NMOCD.

LINER INSTALLATION

Analytical results associated with confirmation cell locations C-1 through C-3 were elevated for chlorides. To mitigate the effects of this residual contamination, a 1-ft deep anchor trench was constructed around the inside perimeter of the excavation and a 40-mil medium density polyethylene geo-membrane was installed. The membrane was cut to fit into the perimeter trench and native soil was backfilled around the perimeter to hold the geo-membrane in-place. Native soil was backfilled over the membrane to meet surrounding surface grade. Four (4) carsonite markers were set at the corners of the remediation area notifying interested parties that a subsurface structure was in-place. The inscription on each marker reads “CAUTION, SUBSURFACE STRUCTURE, Call Before Digging, MCA Unit 575-393-0130.” Photos of remedial activities are shown in Appendix D.

RECLAMATION AND REVEGETATION

From review of recent aerial photography (2017), it appears that the formerly impacted off-pad surface areas were restored to the conditions that existed prior to the release in accordance with 19.15.29.13 NMAC. The existing caliche pad and lease road areas remain unvegetated by design, as they are needed for production operations.

CONCLUSION

COP respectfully requests closure of this release based on the remediation activities performed and confirmation sampling results. The final C-141 form is enclosed in Appendix A. If you have any questions concerning the soil assessment or the remediation activities for the Site, please call me at (512) 338-2861 or Greg at (432) 682-4559.

Sincerely,
Tetra Tech, Inc.

Christian M. Llull, P.G.
Project Manager

Greg W. Pope, P.G.
Program Manager

cc:
Mr. Marvin Soriwei, RMR – ConocoPhillips
Mr. Charles Beauvais, GPBU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Site Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent
Figure 4 – Site Assessment
Figure 5 – Approximate Remediation Extent and Confirmation Sampling Cell Locations

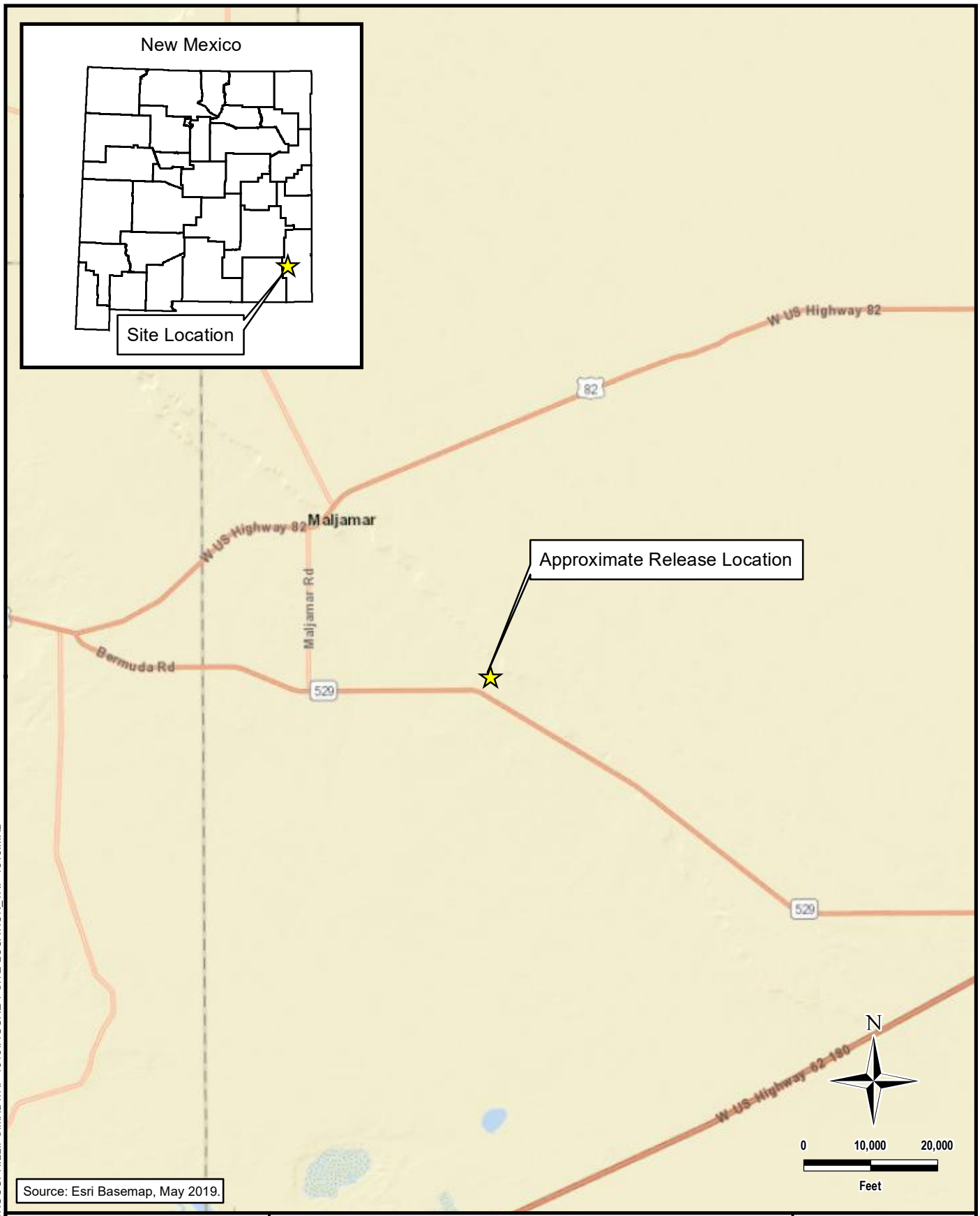
Tables:

Table 1 – Summary of Analytical Results – Initial Soil Assessment
Table 2 – Summary of Analytical Results – Confirmation Sampling

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Work Plan (Tetra Tech, August 10, 2007)
Appendix D – Photographic Documentation
Appendix E – Findings Report (Tetra Tech, November 26, 2007)
Appendix F – Email Correspondence
Appendix G – Closure Report (Tetra Tech, September 8, 2008)

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-1518\FIGURE 1 SITE LOCATION_1RP-1518.MXD

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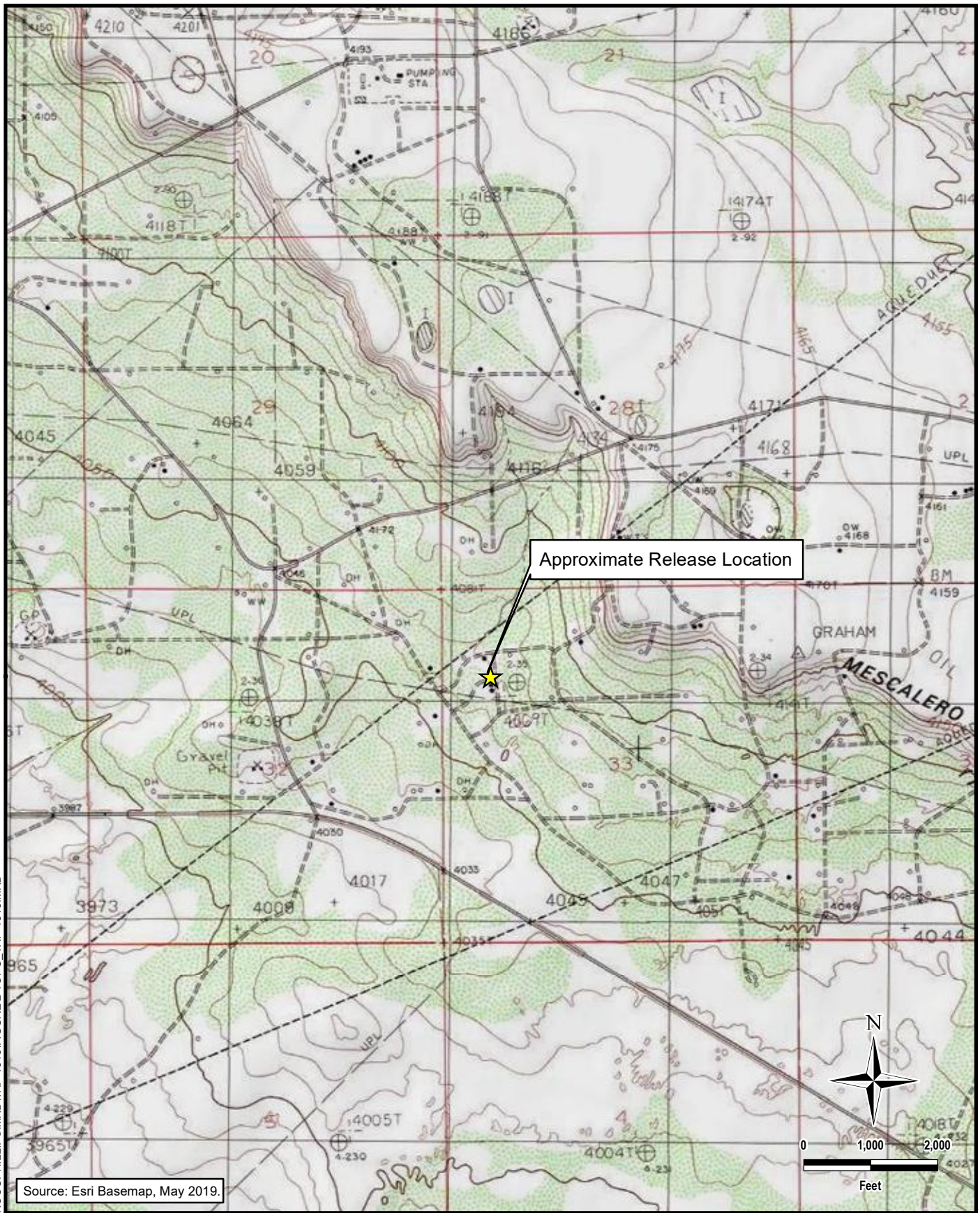
CONOCOPHILLIPS

1RP-1518
(32.794666°, -103.674279°)
LEA COUNTY, NEW MEXICO

WYATT A FEDERAL TANK RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02365
DATE:	JANUARY 11, 2021
DESIGNED BY:	AAM

Figure No.
1



Source: Esri Basemap, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-1518\FIGURE 2 TOPO_1RP-1518.MXD

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CONOCOPHILLIPS

1RP-1518
(32.794666°, -103.674279°)
LEA COUNTY, NEW MEXICO

WYATT A FEDERAL TANK RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02365
DATE:	JANUARY 11, 2021
DESIGNED BY:	AAM

Figure No.
2

Legend

Approximate Release Extent

Source: Google Earth Pro, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-1518\FIGURE 3 RELEASE_1RP-1518.MXD

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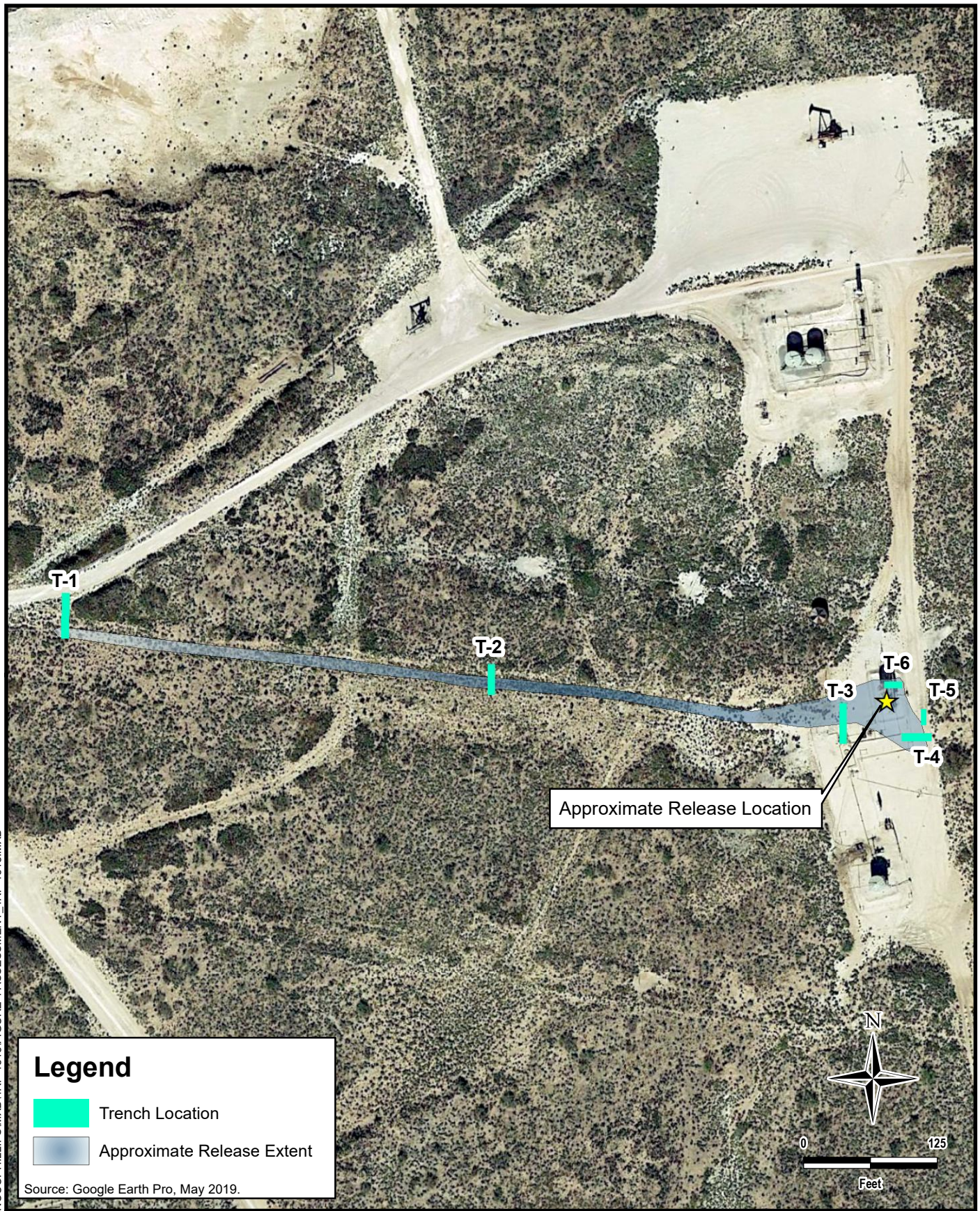
CONOCOPHILLIPS

1RP-1518
(32.794666°, -103.674279°)
LEA COUNTY, NEW MEXICO

WYATT A FEDERAL TANK RELEASE
APPROXIMATE RELEASE EXTENT

PROJECT NO.:	212C-MD-02365
DATE:	JANUARY 18, 2021
DESIGNED BY:	AAM

Figure No.
3



Legend

- Trench Location
- Approximate Release Extent

Source: Google Earth Pro, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-1518\FIGURE 4 ASSESSMENT_1RP-1518.MXD

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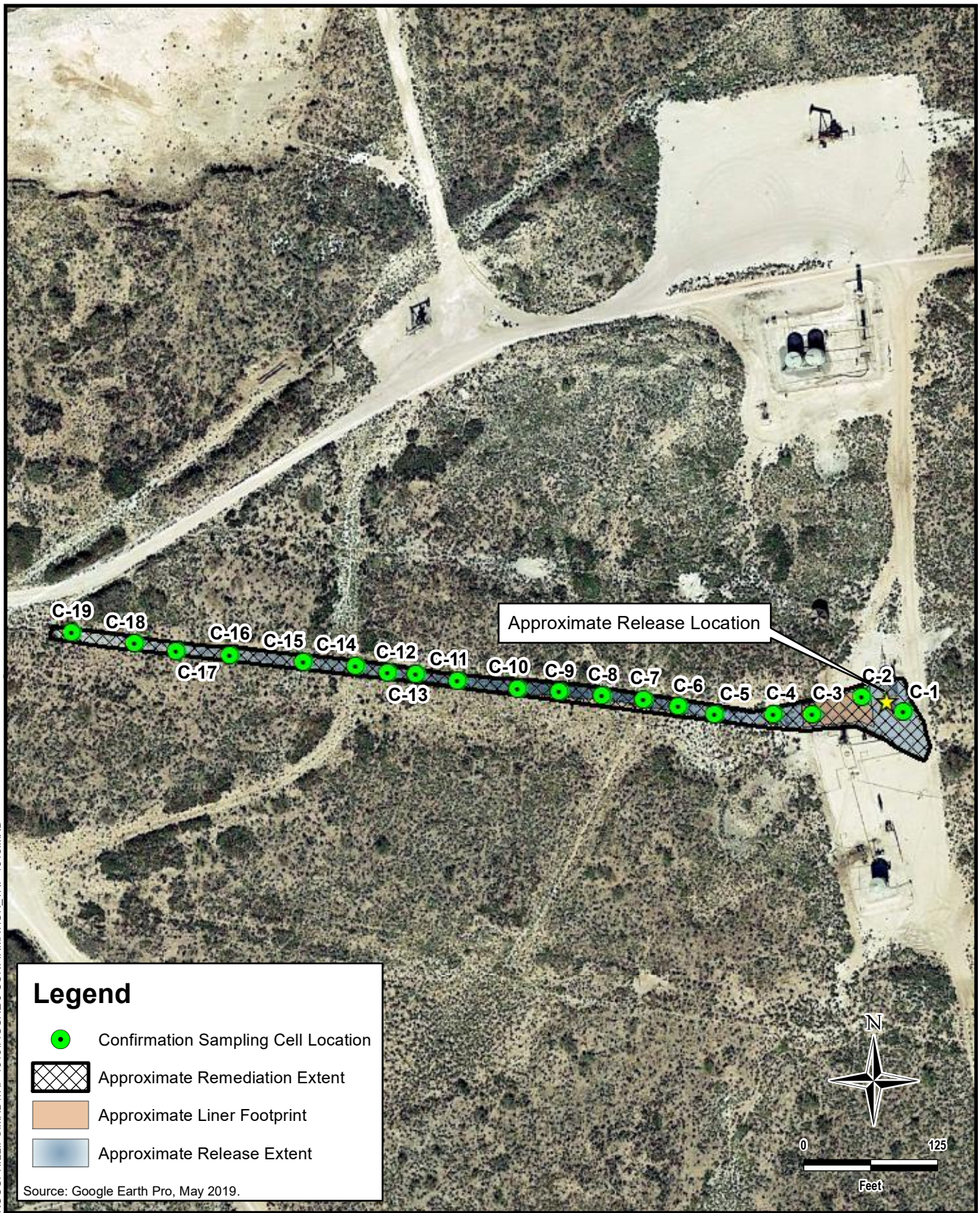
CONOCOPHILLIPS

1RP-1518
(32.794666°, -103.674279°)
LEA COUNTY, NEW MEXICO

WYATT A FEDERAL TANK RELEASE
SITE ASSESSMENT MAP

PROJECT NO.:	212C-MD-02365
DATE:	FEBRUARY 08, 2021
DESIGNED BY:	AAM

Figure No.
4



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-1518\FIGURE 5 CONFIRMATION_1RP-1518.MXD

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CONOCOPHILLIPS

1RP-1518
(32.794666°, -103.674279°)
LEA COUNTY, NEW MEXICO

WYATT A FEDERAL TANK RELEASE
APPROXIMATE REMEDIATION EXTENT AND
CONFIRMATION SAMPLING CELL LOCATIONS

PROJECT NO.:	212C-MD-02365
DATE:	JANUARY 18, 2021
DESIGNED BY:	AAM

Figure No.
5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - 1RP-1518
CONOCOPHILLIPS
WYATT A FEDERAL
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	EC Field Screening Results	Specific Conductivity[1]		Chloride[2]		SPLP Chloride[3]		BTEX[4]							SPLP BTEX[5]									TPH[6]				
										Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	Benzene		Toluene		Ethylbenzene		Total Xylenes		Total SPLP BTEX	GRO		DRO		Total TPH (GRO+DRO)
		ft. bgs	µS/cm	µmhos/cm	Q	mg/kg	Q	mg/L	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	mg/kg	Q	mg/kg	Q	mg/kg
T-1A	9/20/2007	0-0.5	185	340		18.4		-		< 0.005		< 0.005		0.00697		< 0.015		0.00697	-		-		-		-		-	1.73		12		13.73
		5	432	639		134		6.1		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		24		24
T-1B	9/20/2007	0-0.5	225	254		18.2		-		< 0.020		3.57		14.4		24		42.0	-		-		-		-		-	927		19000		19927
		5	428	721		149		5.79		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		< 8.3		-
T-1C	9/20/2007	0-0.5	106	140		8.33		-		< 0.005		< 0.005		< 0.005		< 0.015		-	-		-		-		-		-	1.13		< 8.3		1.13
		5	133	319		27.5		2.03		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		110		110
T-2A	9/20/2007	0-0.5	952	154		7.73		-		< 0.005		< 0.005		< 0.005		< 0.015		-	-		-		-		-		-	< 1.0		19		19
		5	560	1450		275		11.3		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		< 8.3		-
T-2B	9/20/2007	0-0.5	111	186		10.2		-		< 0.005		0.00717		0.0099		0.0199		0.0370	-		-		-		-		-	40.1		4000		4040
		5	743	1460		221		9.66		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		13		13
T-2C	9/20/2007	0-0.5	61	116		7.54		-		< 0.005		< 0.005		< 0.005		< 0.015		-	-		-		-		-		-	< 1.0		260		260
		5	302	762		67.9		3.28		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		< 8.3		-
T-3A	9/20/2007	0-0.5	239	492		29.2		-		< 0.005		< 0.005		< 0.005		< 0.015		-	-		-		-		-		-	< 1.0		1400		1400
		5	3817	8980		3750		156		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		600		600
T-3B	9/20/2007	10	189	1030		152		5.31		< 0.020		2.62		14.1		26.4		43.1	< 0.005		0.0111		0.0327		0.0651		0.109	714		15000		15714
		14	1925	4780		1570		75.8		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		31		31
T-3C	9/20/2007	0-0.5	78	194		9.30		-		< 0.005		< 0.005		< 0.005		< 0.015		-	-		-		-		-		-	< 1.0		12		12
		5	1127	4050		1510		59.5		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		< 8.3		-
T-4	9/20/2007	0-5	-	2890		285		-		< 0.020		11.3		49.9		89.4		151	-		-		-		-		-	1800		27000		28800
		14	1235	4390		1310		56.3		< 0.005		< 0.005		< 0.005		0.0488		0.0488	< 0.005		< 0.005		< 0.005		0.0256		0.0256	757		6500		7257
T-5	9/20/2007	0-5	161	462		58.8		-		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	3.53		540		544
		5	1202	3250		1110		47.4		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		< 8.3		-
T-6	9/20/2007	0-5	-	2300		726		-		0.481		8.88		13		36.2		58.6	-		-		-		-		-	1120		11000		12120
		10	-	1890		491		21.9		< 0.005		< 0.005		< 0.005		< 0.015		-	< 0.005		< 0.005		< 0.005		< 0.015		-	< 1.0		63		63

NOTES:

ft.	Feet
bgs	Below ground surface
µS/cm	MicroSiemens per centimeter
µmhos/cm	MicroOhms per centimeter
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
EC	Electrical conductivity
SPLP	Synthetic precipitation leaching procedure
TPH	Total petroleum hydrocarbons
GRO	Gasoline range organics

1	EPA Method 120.1
2	SW-846 Method 9056
3	EPA Method 300.0 REV2
4, 5	SW-846 Method 8260B
6	SW-846 Method 8015B

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - 1RP-1518
CONOCOPHILLIPS
WYATT A FEDERAL
LEA COUNTY, NM

Sample ID	Sample Date	Sample Location	Chloride[1]		SPLP Chloride[2]		BTEX[3]								SPLP BTEX[4]								TPH[5]				
							Benzene		Toluene		Ethylbenzene		m,p-Xylene		o-Xylene		Total Xylenes	Total BTEX	Benzene		Toluene		Ethylbenzene		m,p-Xylene		o-Xylene		Total Xylenes	SPLP Total BTEX	GRO		DRO		Total TPH (GRO+DRO)
																													C_6 - C_{10}		C_{10} - C_{28}		
			mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg
C1	4/22/2008	SW-N	< 5.00		-		< 0.0010		< 0.0020		< 0.0010		< 0.0020		< 0.0010		-	-	-		-		-		-		-		-	-	< 15.5		< 15.5		-
C2	4/30/2008	SW-N	92.6		-		< 0.0056		< 0.0056		< 0.0056		< 0.0056		< 0.0056		< 0.0056	-	-		-		-		-		-		-	-	< 0.11		< 5.6		-
C3	4/30/2008	SW-N	145		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/24/2008	SW-S-3	223		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/22/2008	BOT - 25'	445		-		< 0.0010		< 0.0020		< 0.0010		< 0.0020		< 0.0010		-	-	-		-		-		-		-		-	-	< 15.8		< 15.8		-
C4	4/28/2008	SW-N	159		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		15		15
	4/28/2008	SW-S	29.7		-		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	-		-		-		-		-		-	-	< 0.1		< 5.1		-
	4/23/2008	BOT - 14'	82		2.62		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.11		< 5.4		-
C5	4/28/2008	SW-N	11.4		-		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	-		-		-		-		-		-	-	< 0.1		< 5.0		-
	4/28/2008	SW-S	199		-		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/30/2008	BOT - 14'	121		7.18		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		5.9		5.9
C6	4/28/2008	SW-N	186		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.1		6.5		6.5
	4/28/2008	SW-S	229		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/28/2008	BOT - 12'	80.8		3.23		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.11		< 5.3		-
C7	4/28/2008	SW-N	187		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/28/2008	SW-S	236		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/28/2008	BOT - 10'	133		6.14		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		0.0050		< 0.0050		0.020		0.015		0.035	0.075	< 0.1		5.5		5.5
C8	4/28/2008	SW-N	155		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/28/2008	SW-S	35.5		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/28/2008	BOT - 9'	89.6		3.38		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C9	4/29/2008	SW-N	128		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/29/2008	SW-S	150		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	4/29/2008	BOT - 8'	198		59..3		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C10	4/29/2008	SW-N	16		-		< 0.0057		< 0.0057		< 0.0057		< 0.0057		< 0.0057		< 0.0057	-	-		-		-		-		-		-	-	< 0.11		< 5.6		-
	4/29/2008	SW-S	171		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/29/2008	BOT - 8'	198		63.6		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C11	4/29/2008	SW-N	144		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/29/2008	SW-S	163		-		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053		< 0.0053	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/29/2008	BOT - 9'	242		60.9		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C12	4/29/2008	SW-N	125		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/29/2008	SW-S	205		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/29/2008	BOT - 9'	128		6.51		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		16		16
C13	4/30/2008	SW-N	72.5		-		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	4/30/2008	SW-S	115		-		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	-		-		-		-		-		-	-	< 0.1		9.2		9.2
	5/1/2008	BOT - 12'	49.3		23		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C14	5/1/2008	SW-N	76.2		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	5/1/2008	SW-S	< 6.22		-		< 0.0062		< 0.0062		< 0.0062		< 0.0062		< 0.0062		< 0.0062	-	-		-		-		-		-		-	-	< 0.12		< 6.2		-
	5/1/2008	BOT - 8'	46.2		2.93		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C15	5/1/2008	SW-N	255		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	5/1/2008	SW-S	< 5.14		-		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	-		-		-		-		-		-	-	< 0.1		< 5.1		-
	5/1/2008	BOT - 8'	27.2		1.7		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-
C16	5/2/2008	SW-N	5.31		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.1		-
	5/2/2008	SW-S	27.3		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	5/2/2008	BOT - 8'	94.3		6.78		< 0.0064		< 0.0064		< 0.0064		< 0.0064		< 0.0064		< 0.0064	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.13		< 6.4		-
C17	5/2/2008	SW-N	32.9		-		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	-		-		-		-		-		-	-	< 0.1		< 5.1		-
	5/2/2008	SW-S	5.27		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.1		-
	5/2/2008	BOT - 6'	149		45.3		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054		< 0.0054	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.11		< 5.4		-
C18	5/2/2008	SW-N	27.3		-		< 0.0055		< 0.0055		< 0.0055		< 0.0055		< 0.0055		< 0.0055	-	-		-		-		-		-		-	-	< 0.11		< 5.5		-
	5/2/2008	SW-S	46.4		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.11		< 5.3		-
	5/2/2008	BOT - 6'	< 5.11		< 0.5		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051		< 0.0051	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.1		-
C19	5/2/2008	SW-N	31		-		< 0.0056		< 0.0056		< 0.0056		< 0.0056		< 0.0056		< 0.0056	-	-		-		-		-		-		-	-	< 0.11		< 5.6		-
	5/2/2008	SW-S-5	36.4		-		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	-		-		-		-		-		-	-	< 0.1		< 5.2		-
	5/2/2008	SW-W	14		-		< 0.0055		< 0.0055		< 0.0055		< 0.0055		< 0.0055		< 0.0055	-	-		-		-		-		-		-	-	< 0.11		< 5.6		-
	5/2/2008	BOT - 5'	< 5.18		8.82		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052		< 0.0052	-	< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050		< 0.0050	-	< 0.1		< 5.2		-

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
SPLP Synthetic precipitation leaching procedure
SW-N Sidewall-north
SW-S Sidewall-south
SW-W Sidewall-west
BOT Bottom of excavation

1 EPA Method 300.0 MOD
2 SW-846 Method 9056
3,4 SW-846 Method 8260B
5 SW-846 Method 8015B

APPENDIX A
C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **ConocoPhillips Company**	Contact **Mickey Garner**
Address **3300 North A St. Bldg 6, Midland, TX 79705-5406**	Telephone No. **505.391.3158**
Facility Name **Wyatt A Federal**	Facility Type **Oil and Gas**

Surface Owner **State of New Mexico**	Mineral Owner **BLM**	Lease No **NM108507**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	**33**	**17S**	**33E**					**Lea**

Latitude N 32.79480 Longitude W 103.67433

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **21bbl (21oil, 0water)**	Volume Recovered **(4oil, 0water)**
Source of Release **300 bbl Steel Tank**	Date and Hour of Occurrence **7-29-2007 02:00**	Date and Hour of Discovery **7-29-2007 07:30**
Was Immediate Notice Given? ☒ Yes ☐ No ☒ Not Required	If YES, To Whom? **Pat Richards NMOCD**	
By Whom? **Mickey Garner**	Date and Hour **7-29-2007 17:52**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The source of discharge was a hole in the bottom of a 300 bbl steel tank. A vacuum truck was called out to pick up free liquids.

Describe Area Affected and Cleanup Action Taken.*
The area affected is an 1100' X 10' section of prepared location pad and roadway. No vegetation was affected. The area will be delineated and remediated in accordance with NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: **Mickey Garner**	Approved by District Supervisor: ENVIROENGR
Title: **HSER Lead**	Approval Date: 8.3.07 Expiration Date: 10.3.07
E-mail Address: **Mickey.D.Garner@conocophillips.com**	Conditions of Approval: SUBMITTAL OF FINAL C-141 W/ DELINEATION & CLEANUP DOCUMENTATION BY RP# 1518 Attached ☐
Date: **7-31-2007** Phone: **505.391.3158**	

- Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 14159 POD1	L	LE	3	1	3	28	17S	33E	624030	3630169	857	298	165	133
L 03713	L	LE	3	4	1	28	17S	33E	624391	3630617*	1321	210		

Average Depth to Water: **165 feet**

Minimum Depth: **165 feet**

Maximum Depth: **165 feet**

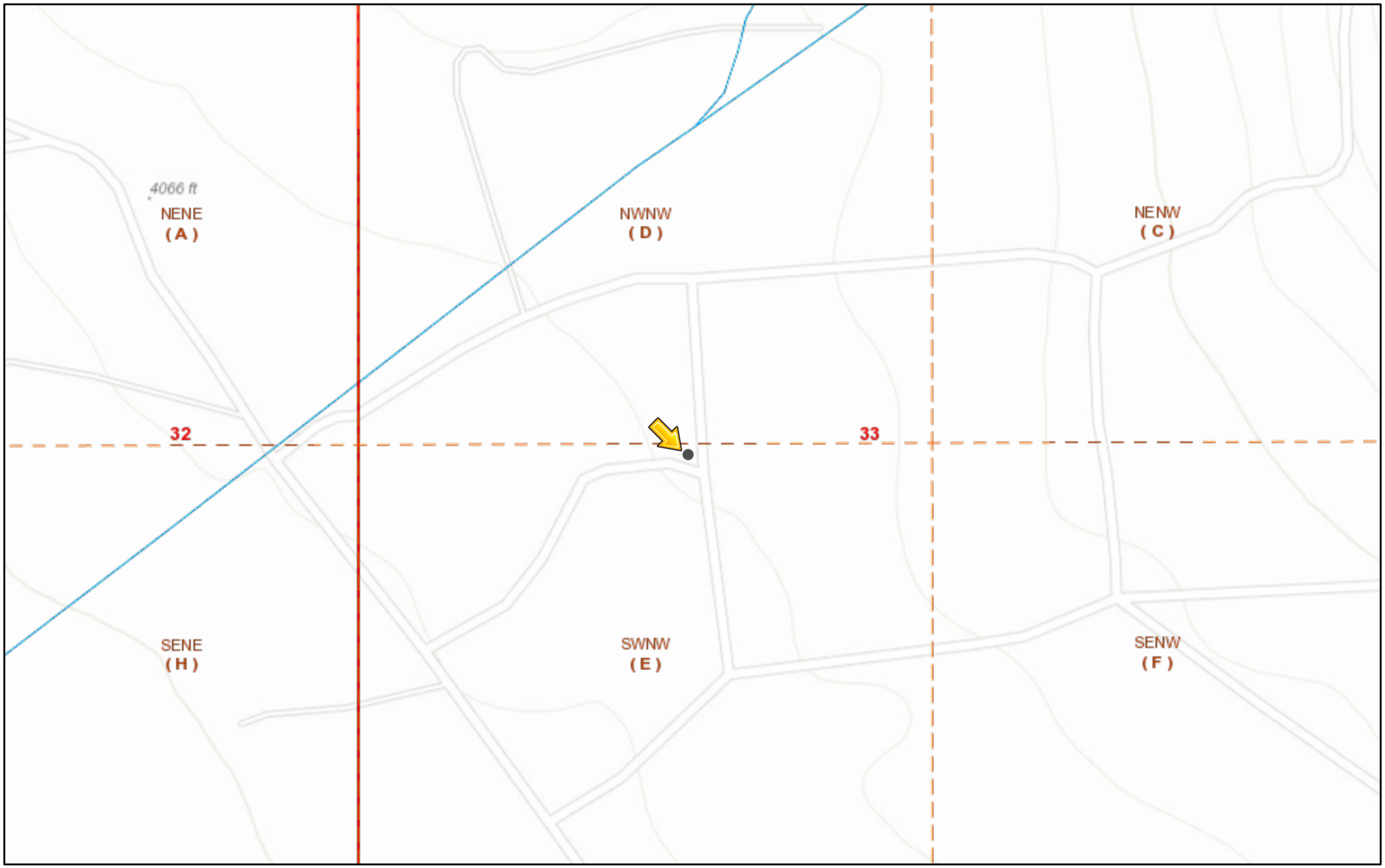
Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 624141.15 **Northing (Y):** 3629319.47 **Radius:** 1600

***UTM location was derived from PLSS - see Help**

1RP-1518



12/9/2020, 1:21:19 PM

Override 1

OCD District Offices

PLSS First Division

PLSS Second Division

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:4,514

0 175 350 700 ft

0 50 100 200 m

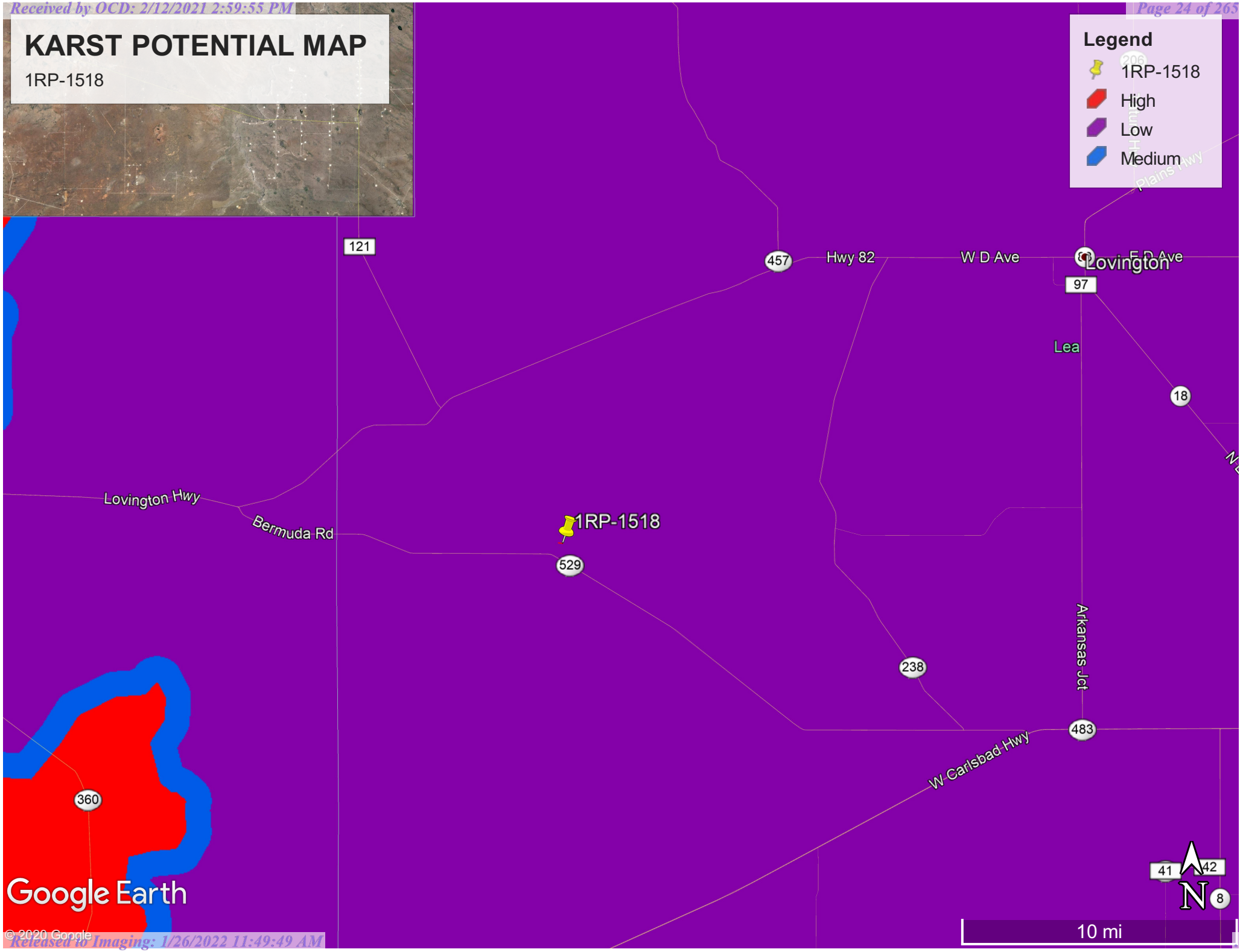
OCD, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

KARST POTENTIAL MAP

1RP-1518



APPENDIX C
Work Plan
(Tetra Tech, August 10, 2007)

TETRA TECH, INC.

1703 W. Industrial Ave.
Midland, Texas 79701
(432) 686-8081

August 10, 2007

Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, NM 88240

Ms. Trishia Bad Bear
US Bureau of Land Management
414 West Taylor
Hobbs, NM 88240

RE: Wyatt A Federal Work Plan - Revised
Lea County, New Mexico
Unit E, Sec. 33, T17S, R33E
OCD RP#1518

Dear Mr. Johnson:

On Behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits this work plan to perform a subsurface investigation at ConocoPhillips' MCA Wyatt A Federal (Site; Figure 1). This work is in support of ConocoPhillips efforts to delineate and remediate a recent 21 barrel crude oil release onto an oil field road (10 x 1,100 feet; C141 attached) and on the backside of the battery. The Site is below and located approximately 0.4 miles southwest of the Mescalero Ridge. It is approximately 5.9 miles southeast of ConocoPhillips' Maljamar office. (32.79480N, 103.37433W). The State of New Mexico is the land administrator.

Wyatt A is located in the Querecho Plains of eastern New Mexico. This area generally consists of a thin cover of Quaternary sand dunes overlying the undivided Triassic Upper Chinle Group .[1] The Pyote and Dune Series soil at the Site consists of very deep well-drained sand and sandy loam. Typically, the surface layer is yellowish red to dark reddish-brown fine sand. It is underlain by yellowish red sandy clay. Below this is light yellowish brown gravelly fine sandy loam.[2]

Depth to water in the vicinity of the Site is estimated to be approximately 90 feet below ground surface (fbgs). This interpretation is based potentiometric surface contours described by Nicholson and Clebsch[1] for groundwater conditions in Southern Lea County. The New Mexico Office of State Engineer's database[3] did not yield any depth to groundwater information in this area. The United States Geological Survey's database[4] only described groundwater conditions above Mescalero Ridge. Nicholson and Clebsch did indicate a well approximately 2.1 miles to the northwest that registered groundwater at 70 fbgs.

Fresh surface water is not present in the area. There are dry playas that briefly hold water following a rainfall event. The nearest playa is approximately 330 feet northwest of the site.

---

[1] Nicholson Jr., A. and A. Clebsch, 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. USGS, GW Rpt 6, Socorro, NM. pp. 123.

[2] U S. Department of Agriculture, Natural Resources Conservation Services. Web Soil Survey Database.

[3] New Mexico Office of State Engineer. W.A.T.E.R.S. Database.

[4] United States Geological Survey. Groundwater Levels for the Nation Database.

Following the ranking criteria presented in "*Guidelines for Remediation of Leaks, Spills, and Releases*" promulgated on August 13, 1993 by the NMOCD, this Site has the following score:

Criteria		Ranking Score
Depth to groundwater	<100 feet	10
Distance from water source	>1000 feet	0
Distance from domestic water source	>200 feet	0
Distance from surface water body	<1,000 feet	10
Total Ranking Score		20

The remediation action level for a ranking score of >19 is 10 parts per million (ppm) for benzene, 50 ppm for total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm for total petroleum hydrocarbons (TPH).

Scope of Work

To delineate the lateral and vertical extent of the crude oil affected area, Tetra Tech will perform the following activities:

1. A backhoe will be used to dig exploratory trenches in the affected area.

2. The New Mexico Oil Conservation Division (NMOCD) and the BLM will be notified 48 hours prior to initiation of the site investigation.

3. It is anticipated that five (3) 15-foot long trenches will be excavated across the 1,100-foot long affected area and two (2) trenches will be excavated on the back side of the battery (Figure 2). Soil samples will be collected every five feet from 3 locations (clean left, affected area, clean right) in each trench. Soil samples collected from the trenches will be field tested using chloride and electrical conductivity (EC) field screened techniques[5,6] to find the vertical and lateral clean boundary of the release area. A photo-ionization detector (PID) will be used to screen for volatile organic hydrocarbons (VOC). Diesel range petroleum hydrocarbons (TPH_{DRO}) will be field screened using a PetroFLAG System.[7] Field analyses using a chloride test kit and EC test will determine that a clean boundary of less than (<) 1,000 milligrams per kilogram (mg/kg) chloride and < 1,000 micro Siemens per meter (µS/m) EC. VOC and TPH_{DRO} field analysis will determine the clean boundary of < 10 parts per million (ppm) VOC and < 100 ppm TPH.

[5] U.S. Environmental Protection Agency Grant No. R827015-01-1. IPEC Guidelines for Remediation of Small Brine Spills, January 12, 2004. Univ. of Tulsa, OK.

[6] Conner, J.A. and C.J. Newell. 2004. Strategies for Addressing Oil Field Brine Releases to Plants, Soil and Groundwater. Publ. No. 4758, American Petroleum Institute, Washington D.C. p 25.

[7] U.S. Environmental Protection Agency, 2001. Innovative Technology Verification Report, Dexsil Corporation PetroFLAG™ System. Prepared by Tetra Tech EM Inc. for USEPA National Exposure Research Laboratory Office of Research and Development. EPA/R-01/092.

4. Six to Nine soil samples from each soil trench (highest salinity and TPH $_{DRO}$ reading and basal sample, (45 possible) will be submitted to a laboratory for confirmation analyses. The samples will be placed into glass sample jars, sealed with Teflon-lined lids, and placed on ice for transportation to an analytical laboratory where they will be analyzed for chloride (USEPA Method 300.0A), electrical conductivity (Standard Method 2510B SW-846 Method 9050A), total petroleum hydrocarbons (TPH_{DRO} and TPH_{GRO}, Method 8015) and benzene, ethylbenzene, toluene and total xylenes (BTEX, Method 8260). In addition, the basal samples (5) from each soil trench will be analyzed for BTEX and chloride synthetic precipitation leaching potential ($SPLP_{BTEX}$ and $SPLP_{Cl}$; USEPA Method 1312/8015 & 300.0A, respectively). These analyses will be used to confirm clean boundaries have been identified.

5. Excavated soil will be returned to the trench for handling during site remediation.

Tetra Tech will supervise and direct all subcontractor activities, and prepare a findings report describing and documenting what was done at the Site, including a site map. This report on activities, results, and recommendations will be submitted for ConocoPhillips, BLM's and NMOCD's review and approval.

Project Schedule

ConocoPhillips has authorized Tetra Tech to proceed and Tetra Tech is prepared to commence work on this project immediately following receipt of NMOCD's and BLM's notification to proceed.

Mr. Greg Pope will serve as the Project Manager and will have the authority to commit whatever resources are necessary to support the project team. It will be Mr. Pope's responsibility to ensure that the Client's needs are met in terms of scope of work and schedule. Mr. Pope is located in Tetra Tech's Midland, Texas, office.

If you concur with this Work Plan, please authorize by giving me or Mr. Greg Pope notification to proceed. Please contact me or Mr. Pope if you have any questions or require additional information.

Sincerely,

Tetra Tech, Inc.

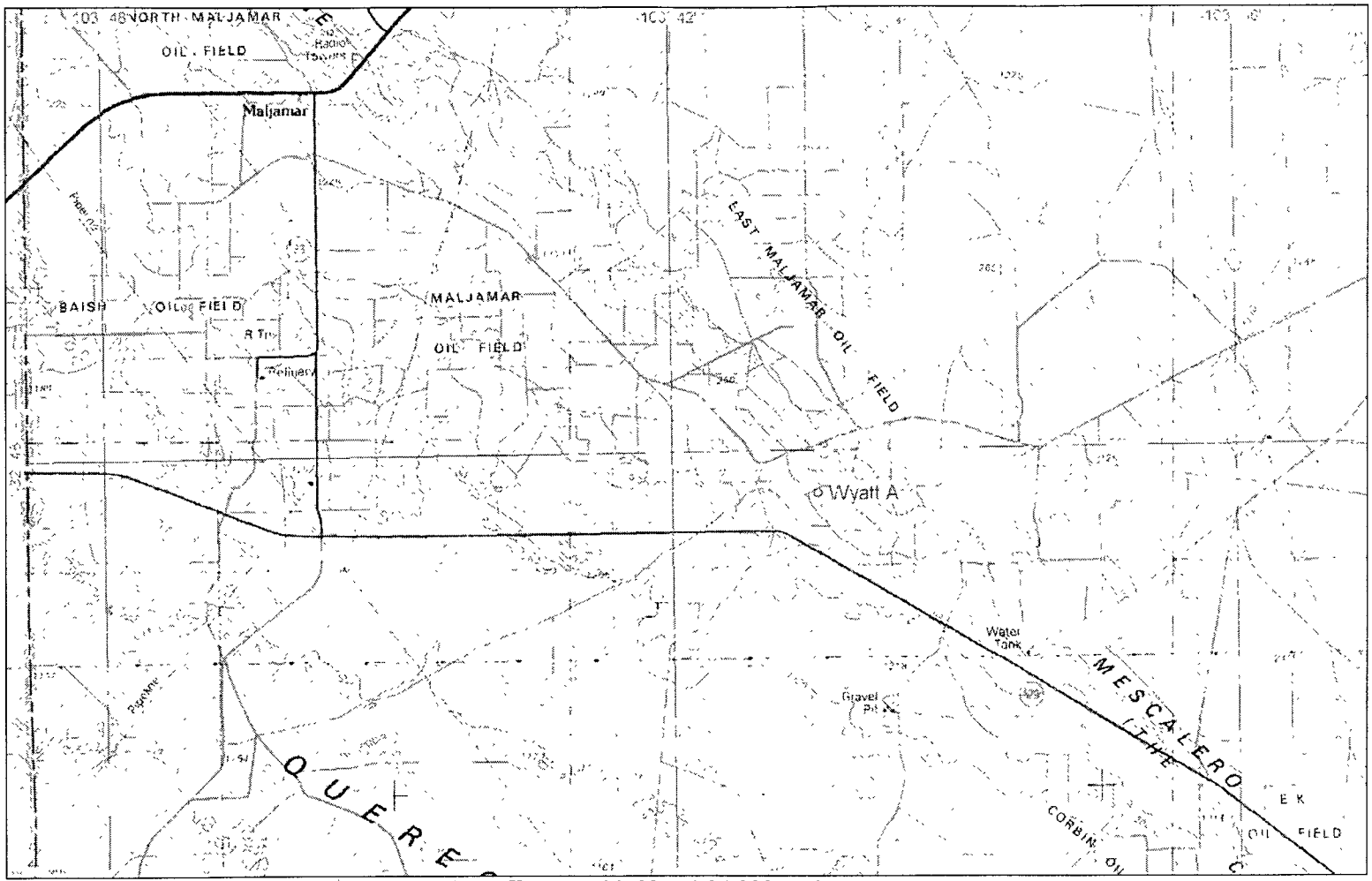
Charles Durrett Digitally signed by Charles Durrett DN: CN = Charles Durrett C = US, O = Tetra Tech Date: 2007.09.10 08:36:51 -05'00'

Charles Durrett
Office Manager

Greg W. Pope, P.G.
Project Manager

Cc: Mickey Garner, ConocoPhillips

Attachment



Source: USGS,1978. Hobbs New Mexico – Texas Topographic Map 1:24,000 scale.

TETRA TECH, INC	
ConocoPhillips	Southeastern New Mexico Unit
Figure 1. Wyatt A Federal Crude Oil Release Site	

Source: NRCS, Web Soil Survey. No scale.

TETRA TECH, INC

ConocoPhillips | Southeastern New Mexico Unit

Figure 2. Wyatt A Federal Crude Oil Release Site and Sampling Locations.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **ConocoPhillips Company**	Contact **Mickey Garner**
Address **3300 North A St. Bldg 6, Midland, TX 79705-5406**	Telephone No. **505.391.3158**
Facility Name **Wyatt A Federal**	Facility Type **Oil and Gas**

Surface Owner **State of New Mexico**	Mineral Owner **BLM**	Lease No **NM108507**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	**33**	**17S**	**33E**					**Lea**

Latitude N 32.79480 Longitude W 103.67433

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **21bbl (21oil, 0water)**	Volume Recovered **(4oil, 0water)**
Source of Release **300 bbl Steel Tank**	Date and Hour of Occurrence **7-29-2007 02:00**	Date and Hour of Discovery **7-29-2007 07:30**
Was Immediate Notice Given? ☒ Yes ☐ No ☒ Not Required	If YES, To Whom? **Pat Richards NMOCD**	
By Whom? **Mickey Garner**	Date and Hour **7-29-2007 17:52**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The source of discharge was a hole in the bottom of a 300 bbl steel tank. A vacuum truck was called out to pick up free liquids.

Describe Area Affected and Cleanup Action Taken.*
The area affected is an 1100' X 10' section of prepared location pad and roadway. No vegetation was affected. The area will be delineated and remediated in accordance with NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:

Printed Name: **Mickey Garner**

Title: **HSER Lead**

E-mail Address: **Mickey.D.Garner@conocophillips.com**

Date: **7-31-2007** Phone: **505.391.3158**

OIL CONSERVATION DIVISION

Approved by District Supervisor: ENVIROENGR

Approval Date: 8.3.07 Expiration Date: 10.3.07

Conditions of Approval:
SUBMITTAL OF FINAL C-141 W/ DELINEATION & CLEANUP DOCUMENTATION

Attached ☐

RP# 1518

- Attach Additional Sheets If Necessary

APPENDIX D
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of release on pad.	1
	SITE NAME	Wyatt A Federal Tank Release	8/03/2007

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of release.	2
	SITE NAME	Wyatt A Federal Tank Release	8/03/2007

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing north of release on pad.	3
	SITE NAME	Wyatt A Federal Tank Release	8/03/2007

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing west of release exiting lease pad (toward old access road).	4
	SITE NAME	Wyatt A Federal Tank Release	8/03/2007

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of active excavation.	5
	SITE NAME	Wyatt A Federal Tank Release	4/15/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing west of active excavation	6
	SITE NAME	Wyatt A Federal Tank Release	4/15/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing north of active excavation.	7
	SITE NAME	Wyatt A Federal Tank Release	4/22/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of excavation on lease pad.	8
	SITE NAME	Wyatt A Federal Tank Release	4/22/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing north from pasture excavation.	9
	SITE NAME	Wyatt A Federal Tank Release	4/22/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing northwest pasture excavation. ~ (Max digging depth of machine is 21'11".)	10
	SITE NAME	Wyatt A Federal Tank Release	4/22/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing northwest of excavation on lease pad.	11
	SITE NAME	Wyatt A Federal Tank Release	4/23/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing southeast of trench/excavation in pasture and road.	12
	SITE NAME	Wyatt A Federal Tank Release	4/30/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing south of excavation on lease pad.	13
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing north of excavation on lease pad.	14
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing north of liner deployment on pad.	15
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing south of liner deployed across excavation on lease pad.	16
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of liner deployed near pad.	17
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing northwest of liner deployment in pasture excavation.	18
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing southeast of deployed liner in both pasture and pad excavation.	19
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing west of backfill activities.	20
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of backfill activities.	21
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

TETRA TECH, INC. PROJECT NO. 212C-MD-02365	DESCRIPTION	View facing east of backfilled excavation.	22
	SITE NAME	Wyatt A Federal Tank Release	5/5/2008

APPENDIX E
Findings Report
(Tetra Tech, November 26, 2007)

TETRA TECH, INC.

1703 W. Industrial Ave.
Midland, Texas 79701
(432) 686-8081

November 26, 2007

Mr. Mickey Garner
ConocoPhillips
HC60 Box 66
Lovington, NM 88260

RE: Wyatt A Federal Battery Findings Report
Lea County, New Mexico
Unit E, Sec. 33, T17S, R33E
OCD 1RP# 1518

Dear Mickey:

Tetra Tech, Inc. (Tetra Tech) is pleased to submit this findings report for a subsurface investigation at ConocoPhillips' East Vacuum Grayburg, San Andres Unit, Wyatt A Federal Battery crude oil release site (Site; Figure 1). This work is in support of ConocoPhillips efforts to remediate a recent 21 barrel crude oil release onto an oil field road (4 x 1,100 feet; C141 attached) and on the back side of the battery. The Site is below and located approximately 0.4 miles southwest of Mescalero Ridge. It is approximately 5.9 miles southeast of ConocoPhillips' Maljamar office (32.79480N, 103.37433W). Mr. John Norris owns the surface while the U.S. Bureau of Land Management (BLM) administers the minerals.

Wyatt A is located in the Querecho Plains of eastern New Mexico. This area generally consists of a thin cover of Quaternary sand dunes overlying the undivided Triassic Upper Chinle Group.[1] The Pyote and Dune Series soil at the Site consists of very deep well-drained sand and sandy loam. Typically, the surface layer is yellowish red to dark reddish-brown fine sand. It is underlain by yellowish red sandy clay. Below this is light yellowish brown gravelly fine sandy loam.[2]

Exposure Pathway Analysis

Depth to water in the vicinity of the Site is estimated to be approximately 90 feet below ground surface (fbgs). This interpretation is based on potentiometric surface contours described by Nicholson and Clebsch[1] for groundwater conditions in Southern Lea County. The New Mexico Office of State Engineer's database[3] did not yield any depth to groundwater information in this area. The United States Geological Survey's database[4] only described groundwater conditions

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[1] Nicholson Jr., A. and A. Clebsch, 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. USGS, GW Rpt 6, Socorro, NM. pp. 123.

[2] U.S. Department of Agriculture, Natural Resources Conservation Services. Web Soil Survey Database.

[3] New Mexico Office of State Engineer. W.A.T.E.R.S. Database.

[4] United States Geological Survey. Groundwater Levels for the Nation Database.

above Mescalero Ridge. Nicholson and Clebsch did indicate a well approximately 2.1 miles to the northwest that registered groundwater at 70 fbgs.

A water well (depth to water unknown) supplying fresh water to a stock pond is located approximately 0.8 miles northwest of the Site. There are dry playas that briefly hold water following a rainfall event. The nearest playa is approximately 330 feet northwest of the Site.

Following the ranking criteria presented in "*Guidelines for Remediation of Leaks, Spills, and Releases*" promulgated on August 13, 1993 by the New Mexico Oil Conservation Division (NMOCD), this Site has the following score:

Criteria		Ranking Score
Depth to groundwater	<100 feet	10
Distance from water source	>1000 feet	0
Distance from domestic water source	>200 feet	0
Distance from surface water body	<1,000 feet	10
Total Ranking Score		20

The remediation action level for a ranking score of >19 is 10 parts per million (ppm) for benzene, 50 ppm for total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm for total petroleum hydrocarbons (TPH).

Scope of Work

At the request of ConocoPhillips, Tetra Tech initiated a subsurface investigation of the crude oil release Site. Tetra Tech excavated six (6) exploratory trenches using a backhoe at Wyatt A Federal Battery to find a chloride (< 1,000 ppm) and BTEX (< 100 ppm) clean boundary. The objective was to find a "clean boundary" in the horizontal and vertical extent.

Three (3) 15-foot long trenches were excavated across the 1,100-foot long affected road, two (2) trenches were excavated on the back side of the battery, and one (1) trench was excavated adjacent to the leaking tank location (Figure 2). Soil samples were collected every 5 feet from three (3) road locations (clean left, affected area, clean right) in each trench. Soil samples collected from the trenches were field tested using chloride and electrical conductivity (EC) field screened techniques[5,6] to find the vertical and lateral clean boundary of the release area. The photoionization detector (PID) malfunctioned during the screening for volatile organic compounds (VOC).

The practical excavation depth was 15 fbgs owing to the limit of the backhoe arm extension. Six (6) soil samples from each road trench (T-1, -2 and -3) and two (2) soil samples from each

[5] U.S. Environmental Protection Agency Grant No. R827015-01-1. IPEC Guidelines for Remediation of Small Brine Spills, January 12, 2004. Univ. of Tulsa, OK.

[6] Conner, J.A. and C.J. Newell. 2004. Strategies for Addressing Oil Field Brine Releases to Plants, Soil and Groundwater. Pub. No. 4758, American Petroleum Institute, Washington D.C. p 25.

trench in and around the battery (T-4, -5, and -6) were retained and submitted to the laboratory for analyses. The sampling interval was based on EC field screening, and on the judgment of the field personnel. The soil sample with the highest EC measurement and the sample from the excavation total depth were retained for chemical analysis.

The samples (24) were placed into glass sample jars, sealed with Teflon-lined lids, and placed on ice for transportation to an analytical laboratory where they were analyzed for chloride (USEPA Method 300.0A), electrical conductivity (Standard Method 2510B SW-846 Method 9050A), diesel and gasoline range hydrocarbons (TPH_{DRO} and TPH_{GRO}, Method 8015) and BTEX (Method 8260). In addition, one (1) basal sample for the trench inside the battery area was analyzed for BTEX and chloride synthetic precipitation leaching potential ($SPLP_{BTEX}$ and $SPLP_{Cl}$; USEPA Method 1312/8015 & 300.0A, respectively).

All soils generated by soil excavation were returned to each trench to be remediated later.

Findings

Excavations advanced during the investigation at the Site encountered sand and sandy loam. Typically, the surface layer is yellowish red to dark reddish-brown fine sand. It is underlain by yellowish red sandy clay. The underlying unit was sandy clay interbedded with caliche.

Summaries of subsurface environmental conditions are presented in Table 1. A complete laboratory analytical report is presented in Appendix A.

Field screening data for EC and visual observations were used to define the horizontal and vertical extent of affected soil (Table 1). Along the road, field EC ranged from 61 to 3,817 micro-Siemens per centimeter (µS/cm). In and around the tank battery, EC readings ranged from 161 to 1,235 µS/cm. Owing to heavy crude oil staining in trench T-6, EC readings were not taken.

Laboratory analyses for chloride concentrations are presented in Table 1. Chloride concentrations in trenches in the road ranged from 7.54 milligrams per kilogram (mg/Kg) in trench T-2C (0-0.5 feet) to 3,750 mg/Kg at trench T-3A (5 feet). In trenches around the tank battery, chloride concentration ranged from 58.8 to 1,301 mg/Kg. SPLP analysis for road trench bottom chloride concentrations were below New Mexico Water Quality Control Commission (NMWQCC) standards for water quality [250 milligrams per liter (mg/L)] and ranged from 2.03 to 156 mg/L in trenches T-1C (5 feet) and T-3A (5 feet), respectively. SPLP analysis for battery trench bottom chloride concentrations were also below NMWQCC standards for water quality and ranged from 21.9 to 56.3 mg/L in trenches T-6 (10 feet) and T-4 (10 feet), respectively.

Gasoline and diesel range hydrocarbons (TPH_{GRO} and TPH_{DRO}) and BTEX laboratory analyses are present in Table 1. TPH concentrations above NMOCD action levels were noted in surface samples from the center sampling point of the road trenches T-1, -2 and -3. Also TPH concentrations above NMOCD action levels were observed in T-1C (5 feet), T-2C (0-0.5 feet) and T-2C ((0-0.5 feet) and T-3A (0-0.5 and 5 feet) and T-3B (10 feet). TPH concentrations in the battery area were detected above NMOCD remediation guidelines in all three battery trenches. Except for T-6 (0-0.5 feet), benzene concentrations were not detected in any of

trench sampling locations. Benzene concentration in T-6 was below NMOCD action levels. Total BTEX concentrations above NMOCD action levels were noted in trenches T-4 (0-0.5 feet) and T-6 (0-0.5 feet). SPLP analyses for trench bottom BTEX concentrations were not detected any of the trenches except for T-3B (0.1089 mg/L) at 10 fbgs and T-4 (0.0256 mg/L) at 10 fbgs. However, these total concentrations were below NMWQCC water quality standards for ethylbenzene, toluene or xylenes (total).

Table 1
ConocoPhillips
Wyatt A Federal Battery
Subsurface Investigation
9/20/2007

Location	Sample Depth (ft)	Field EC (µS/cm)	Specific Conductivity (µmhos/cm)	Chloride (mg/Kg)	SPLP Chloride (mg/L)	TPH GRO (mg/Kg)	TPH DRO (mg/Kg)	Benzene (mg/Kg)	Ethyl-benzene (mg/Kg)	Toluene (mg/Kg)	Xylenes Total (mg/Kg)	Total BTEX (mg/Kg	SPLP BTEX (mg/L)
T-1 A	0-0.5	185	340	18.4		1.73	12	ND	0.00697	ND	ND	0.00697	
	5	432	639	134	6.1	ND	24	ND	ND	ND	ND	ND	ND
B	0-0.5	225	254	18.2		**927**	**19,000**	ND	14.4	3.57	24	41.97	
	5	428	721	149	5.79	ND	ND	ND	ND	ND	ND	ND	ND
C	0-0.5	106	140	8.33		1.13	ND	ND	ND	ND	ND	ND	
	5	133	319	27.5	2.03	ND	**110**	ND	ND	ND	ND	ND	ND
T-2 A	0-0.5	952	154	7.73		ND	19	ND	ND	ND	ND	ND	
	5	560	1,540	275	11.3	ND	ND	ND	ND	ND	ND	ND	ND
B	0-0.5	111	186	10.2		40.1	**4,000**	ND	0.0099	0.00717	0.0199	0.03697	
	5	743	1,460	221	9.66	ND	13	ND	ND	ND	ND	ND	ND
C	0-0.5	61	116	7.54		ND	**260**	ND	ND	ND	ND	ND	
	5	302	762	67.9	3.28	ND	ND	ND	ND	ND	ND	ND	ND
T-3 A	0-0.5	239	492	29.2		ND	**1,400**	ND	ND	ND	ND	ND	
	5	3,817	8,980	**3,750**	156	ND	**600**	ND	ND	ND	ND	ND	ND
B	10	189	1,030	152	5.31	**714**	**15,000**	ND	14.1	2.62	26.4	43.12	0.1089
	14	1,925	4,780	**1,570**	75.8	ND	31	ND	ND	ND	ND	ND	ND
C	0-0.5	78	194	9.3		ND	12	ND	ND	ND	ND	ND	
	5	1,127	4,050	**1,510**	59.5	ND	ND	ND	ND	ND	ND	ND	ND
T-4	0-0.5		2,890	285		**1,800**	**27,000**	ND	**49.9**	11.3	89.4	**150.6**	
	10	1,235	4,390	**1310**	56.3	**757**	**6,500**	ND	ND	ND	0.0488	0.0488	0.0256
T-5	0-0.5	161	462	58.8		3.53	**540**	ND	ND	ND	ND	ND	
	5	1,202	3,250	**1,110**	47.5	ND	ND	ND	ND	ND	ND	ND	ND
T-6	0-0.5		2,300	726		**1,120**	**11,000**	0.481	13	8.88	36.2	**58.561**	
	10		1,890	491	21.9	ND	63	ND	ND	ND	ND	ND	ND

EC = Electrical conductivity
ft = Feet
ppm = Parts per million
µS/cm = microSiemens per centimeter
mg/Kg = Milligrams per kilogram
Blank = No data

TPH = Total petroleum hydrocarbons
TPH_{GRO} =Gasoline range petroleum hydrocarbons
TPH_{DRO} =Diesel range petroleum hydrocarbons
SPLP = Synthetic precipitation leaching procedure
µmhos/cm = micro-Ohms per centimeter
mg/L = Milligrams per liter

Conclusions

According to laboratory analysis of soils collected during this investigation, chloride, TPH and BTEX were detected in road and battery trenches. Exposure pathway analysis indicated a ranking score of "20." Therefore, the site-specific remediation levels are 100 mg/kg for TPH, 50 mg/Kg for BTEX and 10 mg/Kg for benzene. Based on laboratory analyses presented in Table 1, the impacts to soil within historic road area and around the battery are above the NMOCD action level for TPH. Benzene was detected in only one trench sample and it was below NMOCD action levels. BTEX was present above NMOCD action levels only in the battery area. Chloride concentrations were present in all trench samples and were higher near the battery.

Risk Analysis - The SPLP evaluates the potential for leaching materials into groundwater. It provides an assessment of material mobility under field conditions (i.e. rainfall) and is a method

of choice when evaluating fate and transport[7]. Depth to water in the vicinity of the Site is estimated to be approximately 90 fbgs. The SPLP analysis of soil collected in the investigation indicated leachable concentrations BTEX were noted at two sampling locations but were below NMWQCC water quality standards for ethylbenzene, toluene or xylenes (total). SPLP chloride leachable concentrations were present in soil at concentrations ranging from 2.03 to 156 mg/L and were also below NMWQCC water quality standards for chloride (250 mg/L).

Recommendations

Tetra Tech recommends the following actions be taken at Wyatt A Federal Battery:

- Affected Soil in the historic road bed will be excavated. Beginning at trench T-3 and east toward and including the battery, soil will be excavated to a depth of approximately 3 to 4 feet or until the BTEX concentrations are below NMOCD action level of 100 ppm on a PID. The excavated material will be hauled to a State approved disposal location.

- Aliquot soil samples will be collected in a "W" pattern, composited into one sample for each sidewall and floor in the T-3 to battery area excavation, and field analyzed using PID, PetroFlag-TPH, and chloride field screening to determine that remediation levels have been achieved (< 10 ppm benzene, < 100 ppm TPH and < 1,000 ppm chloride).

- The road excavation (anticipated 5 to 10 feet depth) sidewalls and floor will be randomly screened every 50 feet using a PID, PetroFlag-TPH, and chloride field screening to determine that remediation levels have been achieved (< 10 ppm benzene, < 100 ppm TPH and < 1,000 ppm chloride).

- Companion composite T-3/battery and road excavation samples will be submitted to a laboratory for TPH_{GRO}, TPH_{DRO}, BTEX and chloride analyses to confirm that these constituents have been removed to concentrations below remediation guidelines.

- In the T-3/battery area, the remaining soil in the excavation will be slightly domed (1 foot higher than the sides). The slight doming of the soil beneath a "liner" material will promote lateral drainage off of the geo-membrane after placement. The dome will be hand groomed by removing any large sticks and smoothing the surface. A one foot deep anchor trench will constructed around the inside perimeter of the excavation and a 40-mil medium density polyethylene geo-membrane will be installed over the domed area. The membrane will be cut to fit into the perimeter trench and native soil will be backfilled around the perimeter to hold the geo-membrane in-place. Native soil with no rocks or debris will be backfilled over the membrane to meet surrounding surface grades which would complete the remediation. Four carsonite markers will set at the corners of the remediation area notifying interested parties that a subsurface structure was in-place. The inscription on each marker would read "CAUTION, SUBSURFACE STRUCTURE, Call Before Digging, MCA Unit 505-393-0130." The affected soil below the liner will be left in place until the battery is permanently closed in accordance with NMOCD and BLM rules for site abandonment.
-

[7] Alforque, Maricia, 1996. Synthetic Precipitation Leaching Procedure. USEPA Manchester Laboratory Tech Notes 9/06/1996.

- The excavation in the historic road will be backfilled with native soil located adjacent to the road.
- Native plant seed recommended by landowner will be broadcasted over the historic roadbed. The T-3/battery area will continue to be used during oil production.
- Tetra Tech will supervise and direct all subcontractor activities and following the remediation activities, prepare a report describing and documenting what was done for closure activities at the Site, including a site map. This report on activities and results will be submitted for NMOCD's and BLM's review and ultimate closure of this voluntary remediation.

Project Schedule

Tetra Tech is prepared to commence work on this project immediately following receipt of your notification to proceed.

Project Approach

Mr. Greg Pope will serve as the Project Manager and will have the authority to commit whatever resources are necessary to support the project team. It will be Mr. Pope's responsibility to ensure that the Client's needs are met in terms of scope of work and schedule. Mr. Pope is located in Tetra Tech's Midland, Texas, office.

Basis of Billing

If you concur with this Work Plan and attached Cost Estimate, please return a signed copy of this letter as Tetra Tech's authorization to proceed. Please contact me or Mr. Greg Pope, if you have any questions or require additional information.

Sincerely,

Tetra Tech, Inc.

Digitally signed by Charles Durrett
DN: CN = Charles Durrett, C = US, O = Tetra Tech
Reason: I am the author of this document
Date: 2007.11.26 07:56:04 -06'00'

Charles Durrett
Office Manager

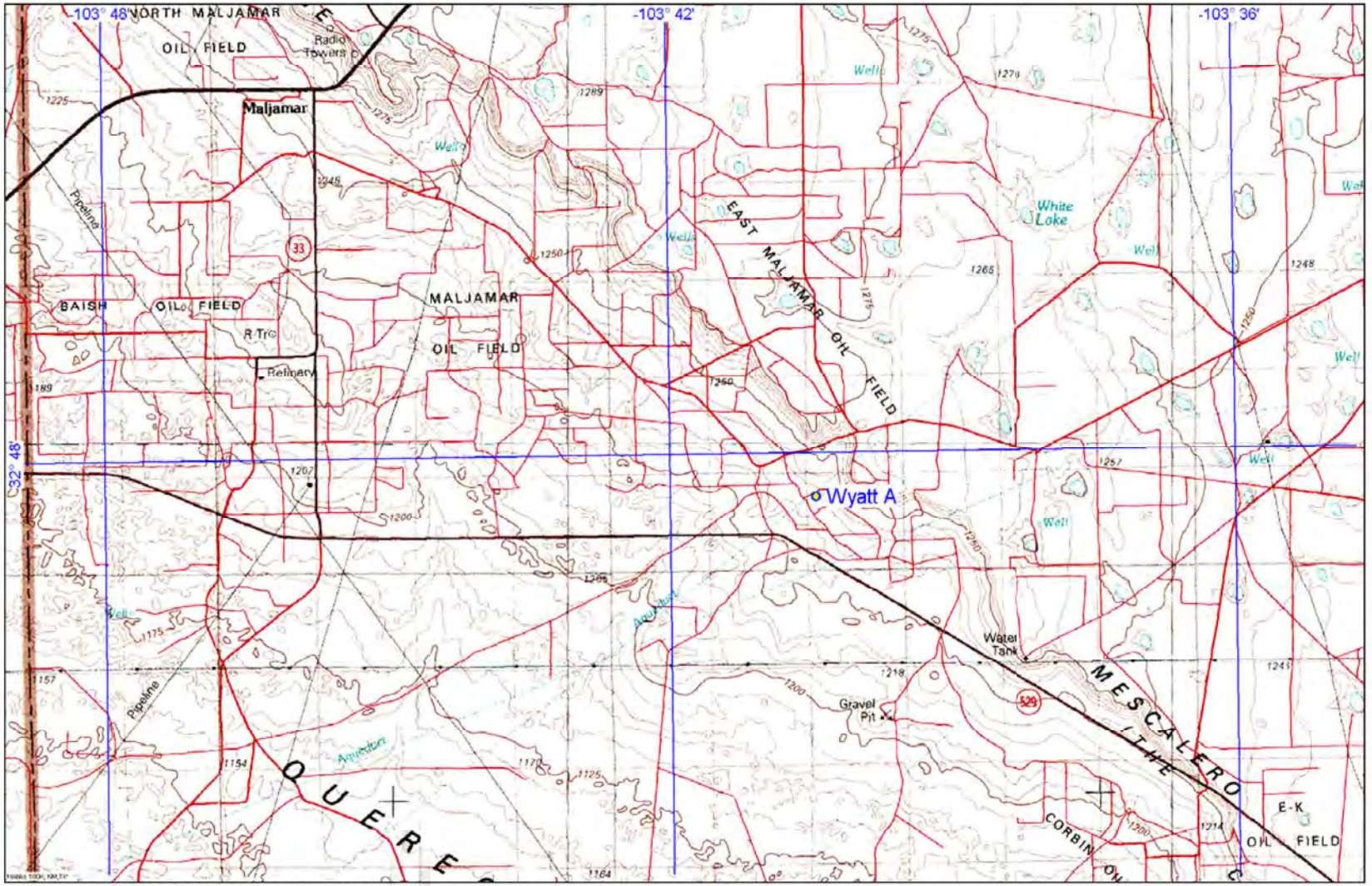
Greg W. Pope, P.G.
Project Manager

Authorization to Proceed:

_____ _____

Mr. Mickey Garner
ConocoPhillips, Inc.

Date



Source: USGS,1978. Hobbs New Mexico – Texas Topographic Map 1:24,000 scale.

TETRA TECH, INC.

ConocoPhillips | Southeastern New Mexico Unit

Figure 1. Wyatt A Federal Crude Oil Release Site

Source: NRCS, Web Soil Survey. No scale.

TETRA TECH, INC.

ConocoPhillips

East Vacuum, Graburg, San Andres Unit

Figure 2. Wyatt A Federal Crude Oil Release Site and Sampling Locations.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **ConocoPhillips Company**	Contact **Mickey Garner**
Address **3300 North A St. Bldg 6, Midland, TX 79705-5406**	Telephone No. **505.391.3158**
Facility Name **Wyatt A Federal**	Facility Type **Oil and Gas**

Surface Owner ~~State of New Mexico~~ John Norris	Mineral Owner **BLM**	Lease No **NM108507**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	**33**	**17S**	**33E**					**Lea**

Latitude N 32.79480 Longitude W 103.67433

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **21bbl (21oil, 0water)**	Volume Recovered **(4oil, 0water)**
Source of Release **300 bbl Steel Tank**	Date and Hour of Occurrence **7-29-2007 02:00**	Date and Hour of Discovery **7-29-2007 07:30**
Was Immediate Notice Given? ☒ Yes ☐ No ☒ Not Required	If YES, To Whom? **Pat Richards NMOCD**	
By Whom? **Mickey Garner**	Date and Hour **7-29-2007 17:52**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The source of discharge was a hole in the bottom of a 300 bbl steel tank. A vacuum truck was called out to pick up free liquids.

Describe Area Affected and Cleanup Action Taken.*
The area affected is an 1100' X 10' section of prepared location pad and roadway. No vegetation was affected. The area will be delineated and remediated in accordance with NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: **Mickey Garner**	Approved by District Supervisor: ENVIROTECH
Title: **HSER Lead**	Approval Date: 8.3.07 Expiration Date: 10.3.07
E-mail Address: **Mickey.D.Garner@conocophillips.com**	Conditions of Approval: SUBMITTAL OF FINAL C-141 W/ DELINEATION & CLEANUP DOCUMENTATION BY RP# 1518 Attached ☐
Date: **7-31-2007** Phone: **505.391.3158**	

- Attach Additional Sheets If Necessary

APPENDIX A
Laboratory Report

STL

ANALYTICAL REPORT

JOB NUMBER: 342749
Project ID: WYATT A

Prepared For:

Tetra Tech, Inc.
1703 West Industrial
Midland, TX 79701

Attention: Charlie Durret

Date: 10/05/2007

Signature

10/05/07
Date

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: sachin.kudchadkar@testamericainc.com

TestAmerica Laboratories, Inc
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

TOTAL NO. OF PAGES 55

STL

10/05/2007

Charlie Durret
Tetra Tech,Inc.
1703 West Industrial
Midland, TX 79701

Reference:
Project : WYATT A
Project No. : 342749
Date Received : 09/22/2007
TestAmerica Job : 342749

Dear Charlie Durret:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

1. T1A 0-6"
2. T1B 0-6"
3. T1C 0-6"
4. T1A 5'
5. T1B 5'
6. T1C 5'
7. T2A 0-6"
8. T2B 0-6"
9. T2C 0-6"
10. T2A 5'
11. T2B 5'
12. T2C 5'
13. T3A 0-6"
14. T3B 10'
15. T3C 0-6"
16. T4 0-6"
17. T4 14'
18. T5 0-6"
19. T5 5'
20. T6 0-6"
21. T6 10'
22. T3A 5'
23. T3B 10'
24. T3C 5'

All holding times were met for the tests performed on these samples.

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all QC requirements for TestAmerica Houston's QC limits. Any exceptions to these QC requirements will be noted and included in a case narrative as a part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting TestAmerica to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.
We look forward to working with you on future projects.

Sincerely,

Sachin G. Kudchadkar
Project Manager

ANALYTICAL REPORT

JOB NUMBER: 342749
Project ID: WYATT A

Prepared For:

Tetra Tech,Inc.
1703 West Industrial
Midland, TX 79701

Attention: Charlie Durret

Date: 10/05/2007

Signature

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: sachin.kudchadkar@testamericainc.com

Date

TestAmerica Laboratories, Inc
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

SAMPLE INFORMATION
Date: 10/05/2007

Job Number.: 342749
Customer...: Tetra Tech, Inc.
Attn.....: Charlie Durret

Project Number.....: 99003817
Customer Project ID....: WYATT A
Project Description....: Conoco Phillips

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
342749-1	T1A 0-6"	Soil	09/20/2007	08:48	09/22/2007	09:08
342749-2	T1B 0-6"	Soil	09/20/2007	08:40	09/22/2007	09:08
342749-3	T1C 0-6"	Soil	09/20/2007	08:35	09/22/2007	09:08
342749-4	T1A 5'	Soil	09/20/2007	09:15	09/22/2007	09:08
342749-5	T1B 5'	Soil	09/20/2007	09:25	09/22/2007	09:08
342749-6	T1C 5'	Soil	09/20/2007	09:40	09/22/2007	09:08
342749-7	T2A 0-6"	Soil	09/20/2007	10:06	09/22/2007	09:08
342749-8	T2B 0-6"	Soil	09/20/2007	10:00	09/22/2007	09:08
342749-9	T2C 0-6"	Soil	09/20/2007	09:55	09/22/2007	09:08
342749-10	T2A 5'	Soil	09/20/2007	10:50	09/22/2007	09:08
342749-11	T2B 5'	Soil	09/20/2007	10:40	09/22/2007	09:08
342749-12	T2C 5'	Soil	09/20/2007	10:20	09/22/2007	09:08
342749-13	T3A 0-6"	Soil	09/20/2007	10:55	09/22/2007	09:08
342749-14	T3B 10'	Soil	09/20/2007	12:06	09/22/2007	09:08
342749-15	T3C 0-6"	Soil	09/20/2007	11:06	09/22/2007	09:08
342749-16	T4 0-6"	Soil	09/20/2007	13:00	09/22/2007	09:08
342749-17	T4 14'	Soil	09/20/2007	13:20	09/22/2007	09:08
342749-18	T5 0-6"	Soil	09/20/2007	13:37	09/22/2007	09:08
342749-19	T5 5'	Soil	09/20/2007	13:47	09/22/2007	09:08
342749-20	T6 0-6"	Soil	09/20/2007	14:07	09/22/2007	09:08
342749-21	T6 10'	Soil	09/20/2007	14:20	09/22/2007	09:08
342749-22	T3A 5'	Soil	09/20/2007	00:00	09/22/2007	09:08
342749-23	T3B 10'	Soil	09/20/2007	00:00	09/22/2007	09:08
342749-24	T3C 5'	Soil	09/20/2007	00:00	09/22/2007	09:08

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1A 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 08:48
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-1
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	340		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	18.4		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Soil	1730		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Soil	12		8.3	mg/Kg	09/25/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	6.97		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1B 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 08:40
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-2
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	254		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	18.2		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	927000		250000	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	19000		2500	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		20	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	14400		600	ug/Kg	09/26/07	ydy
	Toluene, Soil	3570		600	ug/Kg	09/26/07	ydy
	Xylenes (total), Soil	24000		1900	ug/Kg	09/26/07	ydy

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1C 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 08:35
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-3
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	140		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	8.33		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Soil	1130		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/25/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1A 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-4
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	6.10		0.50	mg/L	09/25/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	639		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	134		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	24		8.3	mg/Kg	09/25/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1B 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 09:25
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-5
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	5.79		0.50	mg/L	09/25/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	721		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	149		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T1C 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 09:40
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-6
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	2.03		0.50	mg/L	09/25/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	319		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	27.5		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	110		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2A 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:06
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-7
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	154		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	7.73		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	19		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2B 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-8
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	186		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	10.2		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Soil	40100		10000.0	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Soil	4000		500	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	9.90		5	ug/Kg	09/25/07	zfl
	Toluene, Soil	7.17		5	ug/Kg	09/25/07	zfl
	Xylenes (total), Soil	19.9		15	ug/Kg	09/25/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2C 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 09:55
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-9
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	116		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	7.54		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	260		41	mg/Kg	09/27/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2A 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:50
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-10
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	11.3		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	1450		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	275		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2B 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:40
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-11
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	9.66		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	1460		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	221		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	13		8.3	mg/Kg	09/25/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T2C 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-12
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	3.28		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/25/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/25/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/25/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	762		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	67.9		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/25/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/24/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3A 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 10:55
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-13
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	492		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	29.2		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Soil	1400		830	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3B 10'
Date Sampled.....: 09/20/2007
Time Sampled.....: 12:06
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-14
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	5.31		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	32.7		5	ug/L	09/26/07	ydy
	Toluene, SPLP	11.1		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	65.1		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	1030		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	152		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	714000		250000	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	15000		2500	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		20	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	14100		600	ug/Kg	09/26/07	ydy
	Toluene, Soil	2620		600	ug/Kg	09/26/07	ydy
	Xylenes (total), Soil	26400		1900	ug/Kg	09/26/07	ydy
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3C 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 11:06
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-15
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	194		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	9.30		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	12		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T4 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-16
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	2890		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	285		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	1800000		250000	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	27000		3300	mg/Kg	09/27/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		20	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	49900		6000	ug/Kg	09/27/07	ydy
	Toluene, Soil	11300		600	ug/Kg	09/26/07	ydy
	Xylenes (total), Soil	89400		19000	ug/Kg	09/27/07	ydy

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T4 14'
Date Sampled.....: 09/20/2007
Time Sampled.....: 13:20
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-17
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	56.3		5.0	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	10/03/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	10/03/07	ydy
	Toluene, SPLP	ND		5	ug/L	10/03/07	ydy
	Xylenes (total), SPLP	25.6		15	ug/L	10/03/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	4390		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	1310		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	757000		250000	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	6500		830	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	48.8		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	10/02/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T5 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 13:37
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-18
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	462		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	58.8		4.0	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Soil	3530		1000.00	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Soil	540		210	mg/Kg	09/27/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T5 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 13:47
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-19
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	47.4		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	3250		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	1110		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/25/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/24/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/24/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T6 0-6"
Date Sampled.....: 09/20/2007
Time Sampled.....: 14:07
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-20
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	2300		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	726		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	1120000		250000	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/25/07	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	11000		830	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	481		20	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	13000		600	ug/Kg	09/26/07	ydy
	Toluene, Soil	8880		600	ug/Kg	09/26/07	ydy
	Xylenes (total), Soil	36200		1900	ug/Kg	09/26/07	ydy

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T6 10'
Date Sampled.....: 09/20/2007
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-21
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	21.9		0.50	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	1890		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	491		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	63		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/25/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3A 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-22
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	156		5.0	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	8980		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	3750		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	600		83	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/25/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3B 10'
Date Sampled.....: 09/20/2007
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-23
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	75.8		5.0	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	4780		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	1570		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/26/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	31		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/25/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Customer Sample ID: T3C 5'
Date Sampled.....: 09/20/2007
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 342749-24
Date Received.....: 09/22/2007
Time Received.....: 09:08

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA300.0 REV2.	Ion Chromatography Analysis						
	Chloride, SPLP	59.5		5.0	mg/L	09/26/07	sur
SW-846 8260B	Volatile Organics						
	Benzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Ethylbenzene, SPLP	ND		5	ug/L	09/26/07	ydy
	Toluene, SPLP	ND		5	ug/L	09/26/07	ydy
	Xylenes (total), SPLP	ND		15	ug/L	09/26/07	ydy
EPA 120.1	Specific Conductivity @ 25 degrees C, Soil	4050		1.0	* umhos/cm	09/26/07	sur
SW-846 9056	Chloride, Soil	1510		40	mg/Kg	09/26/07	sur
SW-846 8015B	Total Volatile Petroleum Hydrocarbons						
	TVPH as GRO, Soil	ND		1000.00	ug/Kg	09/27/07	cad
SW-846 3550B	Extraction (Ultrasonic) DRO						
	Ultrasonic Extraction, Soil	Complete				09/24/07	klv
SW-846 8015B	Total Extractable Petroleum Hydrocarbons						
	TEPH - as Diesel, Soil	ND		8.3	mg/Kg	09/26/07	jps
SW-846 8260B	Volatile Organics						
	Benzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Ethylbenzene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Toluene, Soil	ND		5	ug/Kg	09/25/07	zfl
	Xylenes (total), Soil	ND		15	ug/Kg	09/25/07	zfl
SW-846 1312	Zero Head Space (ZHE) Extraction, Solid	Complete			mL	09/25/07	wkc

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN: Charlie Durret

Test Method.....: SW-846 9056 Analyst...: sur
Method Description.: Ion Chromatography Analysis Units.....: mg/L Test Code.: CHL
Parameter.....: Chloride Batch(s)...: 186137

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ICV		WCS46501	18.9739		20.00		94.9	90.0-110.		09/25/2007	1902
ICB			0.0163							09/25/2007	1925
MB	186137--21		0.0102							09/25/2007	1947
LCS	186137--21	WCS46501	19.3131		20.00		96.6	90.0-110.		09/25/2007	2010
DU	342735-1		3.3970			3.3562	1.2	20		09/25/2007	2117
MS	342735-1	WCS46233	12.6951		10.000000	3.3562	93.4	90-110		09/25/2007	2140
CCV		WCS46501	19.5329		20.00		97.7	90.0-110.		09/25/2007	2332
CCB			0.0205							09/25/2007	2355
CCV		WCS46501	19.6673		20.00		98.3	90.0-110.		09/26/2007	0403
CCB			0.0172							09/26/2007	0425
MB	186137--21		0.0122							09/26/2007	0448
LCS	186137--21	WCS46501	19.6965		20.00		98.5	90.0-110.		09/26/2007	0510
DU	342749-14		1.1236			1.1288	0.0052	0.5000		09/26/2007	0810
CCV		WCS46501	19.7207		20.00		98.6	90.0-110.		09/26/2007	0833
CCB			0.0216							09/26/2007	0855
MS	342749-14	WCS46233	10.8806		10.000000	1.1288	97.5	90-110		09/26/2007	0918
DU	342749-17		13.1438			13.1128	0.2	20		09/26/2007	1110
MS	342749-17	WCS46233	22.3670		10.000000	13.1128	92.5	90-110		09/26/2007	1133
CCV		WCS46501	20.0240		20.00		100.1	90.0-110.		09/26/2007	1303
CCB			0.0175							09/26/2007	1325
CCV		WCS46501	19.9552		20.00		99.8	90.0-110.		09/26/2007	1518
CCB			0.0162							09/26/2007	1540

Test Method.....: EPA 120.1 Analyst...: sur
Method Description.: Specific Conductance @ 25 degrees C Units.....: umhos/cm Test Code.: COND
Parameter.....: Specific Conductivity @ 25 degrees C Batch(s)...: 186141

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	186141--21	WC3926	10.11		10		101.1	90.0-110.		09/26/2007	1720
CCV		WC3910	107.0		100		107.0	90.0-110.		09/26/2007	1720
CCV		WC3753	1012		1000		101.2	90.0-110.		09/26/2007	1720
DU	342735-1		1647			1650	0.2	20		09/26/2007	1720
CCV		WC3910	106.5		100		106.5	90.0-110.		09/26/2007	1720
CCB			0.19							09/26/2007	1720
MB	186141--21		0.20							09/26/2007	1720
DU	342749-10		1448			1450	0.1	20		09/26/2007	1720
CCB			0.20							09/26/2007	1720
CCV		WC3753	1007		1000		100.7	90.0-110.		09/26/2007	1720
CCB			0.21							09/26/2007	1720
MB	186141--21		0.23							09/26/2007	1720
LCS	186141--21	WC3926	10.07		10		100.7	90.0-110.		09/26/2007	1720
DU	342749-24		4030			4050	0.5	20		09/26/2007	1720
CCV		WC3910	106.7		100		106.7	90.0-110.		09/26/2007	1720
CCB			0.21							09/26/2007	1720
DU	342481-7		26300			26400	0.4	20		09/26/2007	1720
CCV		WC3753	1005		1000		100.5	90.0-110.		09/26/2007	1720

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN: Charlie Durret

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8015B Units.....: ug/L Analyst...: cad
Method Description.: Total Volatile Petroleum Hydrocarbons Batch(s)...: 186215

LCS	Laboratory Control Sample	BXS091907F	186215-1		09/25/2007	1622

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	221.815		250.000000		88.7		49-151	

LCS	Laboratory Control Sample	BXS091907F	186215-2		09/26/2007	1330

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	272.528		250.000000		109.0		49-151	

MB	Method Blank		186215-1		09/25/2007	1726

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	ND							

MB	Method Blank		186215-2		09/26/2007	1436

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	11.3189							

MS	Matrix Spike	BX051707A	342749-6		09/25/2007	2017

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	261.319		250.000000	10.8231	100.2		50.0-150.0	

MSD	Matrix Spike Duplicate	BX051707A	342749-6		09/25/2007	2042

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	257.929	261.319	250.000000	10.8231	98.8 1.3		50-150 20	

SB	Spiked Blank	BX051707A	186215-2		09/26/2007	1934

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	310.357		250.000000	11.3189	120		49.0-151.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SBD	Spiked Blank Duplicate	BX051707A	186215-2		09/26/2007	1958

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	277.364	310.357	250.000000	11.3189	106.4		49-151	
					11.2		20	

Test Method.....: EPA300.0 REV2.1 Units.....: mg/L Analyst...: sur
Method Description.: Ion Chromatography Analysis Batch(s)...: 186078 186112

CCB	Continuing Calibration Blank				09/25/2007	1716

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

CCV	Continuing Calibration Verification	WCS46501			09/25/2007	1700

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.546		20.00		97.7		90.0-110.0	

DU	Method Duplicate		342749-5		09/25/2007	1554

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	5.6761			5.7883	2.0		20	

ICB	Initial Calibration Blank				09/25/2007	1420

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

ICV	Initial Calibration Verification	WCS46049			09/25/2007	1404

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.620		20.00		98.1		90.0-110.0	

LCS	Laboratory Control Sample	WCS46501			09/25/2007	1451

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.489		20.00		97.4		90.0-110.0	

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank				09/25/2007	1435

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	PLP			09/25/2007	1507

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	1.3641							b

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	WCS46233	342749-5		09/25/2007	1609

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	15.152		10.000000	5.7883	93.6		90-110	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				09/26/2007	1115

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				09/26/2007	1335

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46501			09/26/2007	1059

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.649		20.00		98.2		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46501			09/26/2007	1320

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.545		20.00		97.7		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
DU	Method Duplicate		342749-10		09/26/2007	0957

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	11.099			11.324	2.0		20	

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank				09/26/2007	0839

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	WCS46049			09/26/2007	0823

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.937		20.00		99.7		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	WCS46501			09/26/2007	0910

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	19.770		20.00		98.8		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank				09/26/2007	0854

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	PLP			09/26/2007	0925

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	1.3524							b

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	WCS46233	342749-10		09/26/2007	1012

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Chloride, SPLP	20.950		10.000000	11.324	96.3		90-110	

Test Method.....: SW-846 8015B Units.....: mg/L Analyst...: jps
Method Description.: Total Extractable Petroleum Hydrocarbons Batch(s)...: 186220 186227

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	GC053007	185984		09/25/2007	2041

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1021.06		1000.000000		102.1		70-130	

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	GC091507	185984		09/25/2007	1957

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	GC053007A	342749-11		09/25/2007	2041

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1217.34		1000.000000	380.74	84		70-130	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	GC053007A	342749-11		09/25/2007	2125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1289.60	1217.34	1000.000000	380.74	91		70-130	
					5.8		30.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	GC053007	186054		09/26/2007	1409

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1222.59		1000.000000		122.3		70-130	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	GC091507	186054		09/26/2007	1324

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	GC053007A	342749-15		09/26/2007	1409

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1634.75		1000.000000	371.27	126		70-130	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	GC053007A	342749-15		09/26/2007	1453

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1514.34	1634.75	1000.000000	371.27	114		70-130	
					7.6		30.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8260B Units.....: ug/L Analyst...: zfl
Method Description.: Volatile Organics Batch(s)...: 186047 186090 186118 186177 186224 186613

LCS	Laboratory Control Sample	VS091807E			09/24/2007	1341

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	44.9146		50.00	ND	89.8		68-121	
Ethylbenzene, Soil	46.8896		50.00	ND	93.8		66-130	
Toluene, Soil	44.6123		50.00	ND	89.2		66-127	
Xylenes (total), Soil	143.663		150.0	ND	95.8		37-160	

MB	Method Blank	VS091807C			09/24/2007	1432

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	ND							
Ethylbenzene, Soil	ND							
Toluene, Soil	ND							
Xylenes (total), Soil	ND							

MS	Matrix Spike	VS091807E	342749-3		09/24/2007	1550

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	43.5589		50.00	ND	87		65-135	
Ethylbenzene, Soil	44.1230		50.00	ND	88		60-140	
Toluene, Soil	43.9908		50.00	ND	88		64-135	
Xylenes (total), Soil	137.509		150.0	ND	92		60-140	

MSD	Matrix Spike Duplicate	VS091807E	342749-3		09/24/2007	1615

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	44.5338	43.5589	50.00	ND	89		65-135	
					2.2		30.0	
Ethylbenzene, Soil	42.8797	44.1230	50.00	ND	86		60-140	
					2.9		30.0	
Toluene, Soil	42.9673	43.9908	50.00	ND	86		64-135	
					2.4		30.0	
Xylenes (total), Soil	132.005	137.509	150.0	ND	88		60-140	
					4.1		30.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS091807H			09/25/2007	1328

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	49.0033		50.00	ND	98.0		68-127	
Ethylbenzene, Water	47.3537		50.00	ND	94.7		64-132	
Toluene, Water	49.2324		50.00	ND	98.5		63-127	
Xylenes (total), Water	150.7994		150.	0.0000	100.5		37-161	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS091807C			09/25/2007	1420

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND							
Ethylbenzene, Water	ND							
Toluene, Water	ND							
Xylenes (total), Water	0.0000							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	VS091807C			09/25/2007	1354

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, SPLP	ND							
Ethylbenzene, SPLP	ND							
Toluene, SPLP	ND							
Xylenes (total), SPLP	0.0000							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS091807E			09/25/2007	1216

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	42.8156		50.00	ND	85.6		68-121	
Ethylbenzene, Soil	43.8557		50.00	ND	87.7		66-130	
Toluene, Soil	44.0519		50.00	ND	88.1		66-127	
Xylenes (total), Soil	132.846		150.0	ND	88.6		37-160	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS091807C			09/25/2007	1347

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	ND							
Ethylbenzene, Soil	ND							
Toluene, Soil	ND							
Xylenes (total), Soil	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	VS091807E	342749-21		09/25/2007	1556

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	44.7469		50.00	ND	89		65-135	
Ethylbenzene, Soil	46.1141		50.00	ND	92		60-140	
Toluene, Soil	45.7658		50.00	ND	92		64-135	
Xylenes (total), Soil	142.263		150.0	ND	95		60-140	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS091807E	342749-21		09/25/2007	1622

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	45.3178	44.7469	50.00	ND	91		65-135	
					1.3		30.0	
Ethylbenzene, Soil	44.6912	46.1141	50.00	ND	89		60-140	
					3.1		30.0	
Toluene, Soil	45.2052	45.7658	50.00	ND	90		64-135	
					1.2		30.0	
Xylenes (total), Soil	139.109	142.263	150.0	ND	93		60-140	
					2.2		30.0	

LCS	Laboratory Control Sample	VS091807H			09/26/2007	1149

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	45.2609		50.00	ND	90.5		68-127	
Ethylbenzene, Water	42.7360		50.00	ND	85.5		64-132	
Toluene, Water	44.3166		50.00	ND	88.6		63-127	
Xylenes (total), Water	132.670		150.	ND	88.4		37-161	

MB	Method Blank	VS091807C			09/26/2007	1333

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND							
Ethylbenzene, Water	ND							
Toluene, Water	ND							
Xylenes (total), Water	ND							

MS	Matrix Spike	VS091807E	342749-23		09/26/2007	1543

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	48.6620		50.00	ND	97		65-125	
Ethylbenzene, Water	53.2043		50.00	ND	106		60-140	
Toluene, Water	51.4461		50.00	ND	103		76-125	
Xylenes (total), Water	163.080		150.0	ND	109		37-140	

MSD	Matrix Spike Duplicate	VS091807E	342749-23		09/26/2007	1609

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	48.9253	48.6620	50.00	ND	98		65-125	
					0.5		30.0	
Ethylbenzene, Water	52.9147	53.2043	50.00	ND	106		60-140	
					0.5		30.0	
Toluene, Water	53.7873	51.4461	50.00	ND	108		76-125	
					4.4		30.0	
Xylenes (total), Water	164.644	163.080	150.0	ND	110		37-140	
					1.0		30.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	VS091807C			09/26/2007	1307

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, SPLP	ND							
Ethylbenzene, SPLP	ND							
Toluene, SPLP	ND							
Xylenes (total), SPLP	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS091807H			09/26/2007	1241

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	49.1315		50.00	ND	98.3		68-121	
Ethylbenzene, Soil	49.6124		50.00	ND	99.2		66-130	
Toluene, Soil	49.8780		50.00	ND	99.8		66-127	
Xylenes (total), Soil	153.142		150.	ND	102.1		37-160	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS091807C			09/26/2007	1359

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	ND							
Ethylbenzene, Soil	ND							
Toluene, Soil	ND							
Xylenes (total), Soil	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	VS091807E	342749-2		09/26/2007	2002

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	56.2328		50.00	ND	112		65-135	
Ethylbenzene, Soil	176.603		50.00	115.203	123		60-140	
Toluene, Soil	91.7363		50.00	28.5907	126		64-135	
Xylenes (total), Soil	380.668		150.0	191.859	126		60-140	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS091807E	342749-2		09/26/2007	2028

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	65.5534	56.2328	50.00	ND	131		65-135	
					15.3		30.0	
Ethylbenzene, Soil	186.309	176.603	50.00	115.203	142		60-140	A
					5.3		30.0	
Toluene, Soil	100.944	91.7363	50.00	28.5907	145		64-135	A
					9.6		30.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech,Inc. PROJECT: WYATT A ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS100207H			10/03/2007	1210

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	52.3673		50.00	ND	104.7		68-127	
Ethylbenzene, Water	55.5195		50.00	ND	111.0		64-132	
Toluene, Water	53.9257		50.00	ND	107.9		63-127	
Xylenes (total), Water	167.722		150.	ND	111.8		37-161	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS100207C			10/03/2007	1453

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND							
Ethylbenzene, Water	ND							
Toluene, Water	ND							
Xylenes (total), Water	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	VS100207E	343094-1	5000.0000	10/03/2007	1615

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP	39.6452		50.00	ND	79		63-123	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS100207E	343094-1	5000.0000	10/03/2007	1642

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP	39.7260	39.6452	50.00	ND	79		63-123	
					0.2		30.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	VS100207C		20.00000	10/03/2007	1359

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP	ND							
Ethylbenzene, TCLP	ND							
Toluene, TCLP	ND							
Xylenes (total), TCLP	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	VS100207C			10/03/2007	1426

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, SPLP	ND							
Ethylbenzene, SPLP	ND							
Toluene, SPLP	ND							
Xylenes (total), SPLP	ND							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SURROGATE RECOVERIES REPORT

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Method.....: Total Extractable Petroleum Hydrocarbons Method Code...: 8015D Prep Batch....: 185984
Batch(s).....: 186220 Test Matrix...: Soil Equipment Code: EXTGC01

Lab ID	DT	Sample ID	Date	OTERPH
342749- 1		T1A 0-6"	09/25/2007	118
342749- 2		T1B 0-6"	09/26/2007	750d
342749- 3		T1C 0-6"	09/25/2007	105
342749- 4		T1A 5'	09/25/2007	105
342749- 5		T1B 5'	09/26/2007	115
342749- 6		T1C 5'	09/26/2007	102
342749- 10		T2A 5'	09/26/2007	91
342749- 11		T2B 5'	09/25/2007	109
342749- 11	MS	T2B 5'	09/25/2007	102
342749- 11	MSD	T2B 5'	09/25/2007	106
342749- 12		T2C 5'	09/26/2007	106
342749- 14		T3B 10'	09/26/2007	846d
342749- 17		T4 14'	09/26/2007	414d
342749- 19		T5 5'	09/25/2007	94
342749- 21		T6 10'	09/26/2007	115
342749- 22		T3A 5'	09/26/2007	144d
342749- 23		T3B 10'	09/26/2007	120
342749- 24		T3C 5'	09/26/2007	102
185984--21	LCS		09/25/2007	106
185984--21	MB		09/25/2007	107

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140

Method.....: Total Extractable Petroleum Hydrocarbons Method Code...: 8015D Prep Batch....: 186054
Batch(s).....: 186227 Test Matrix...: Soil Equipment Code: EXTGC01

Lab ID	DT	Sample ID	Date	OTERPH
342749- 7		T2A 0-6"	09/26/2007	108
342749- 8		T2B 0-6"	09/26/2007	216d
342749- 9		T2C 0-6"	09/27/2007	124
342749- 13		T3A 0-6"	09/26/2007	152d
342749- 15		T3C 0-6"	09/26/2007	118
342749- 15	MS	T3C 0-6"	09/26/2007	122
342749- 15	MSD	T3C 0-6"	09/26/2007	109
342749- 16		T4 0-6"	09/27/2007	1952d
342749- 18		T5 0-6"	09/27/2007	121
342749- 20		T6 0-6"	09/26/2007	342d
186054--21	LCS		09/26/2007	121
186054--21	MB		09/26/2007	110

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140

SURROGATE RECOVERIES REPORT

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: 483648 PROJECT: WYATT A ATTN: Charlie Durret

Method.....: Total Volatile Petroleum Hydrocarbons Method Code...: 8015G Prep Batch....:
Batch(s).....: 186215 Test Matrix...: Soil Equipment Code: BTEX07

Lab ID	DT	Sample ID	Date	ATFT	BFB
186215- 1	LCS		09/25/2007	89.2	90.6
186215- 1	MB		09/25/2007	99.8	95.0
186215- 2	LCS		09/26/2007	97.8	94.4
186215- 2	MB		09/26/2007	99.3	94.8
186215- 2	SB		09/26/2007	103.6	91.4
186215- 2	SBD		09/26/2007	99.0	98.6
342749- 1		T1A 0-6"	09/26/2007	108.2	98.6
342749- 2		T1B 0-6"	09/26/2007	247.2d	1587.d
342749- 3		T1C 0-6"	09/26/2007	105.0	93.6
342749- 4		T1A 5'	09/25/2007	110.8	98.5
342749- 5		T1B 5'	09/25/2007	104.5	92.5
342749- 6		T1C 5'	09/25/2007	106.5	94.2
342749- 6	MS	T1C 5'	09/25/2007	102.5	98.0
342749- 6	MSD	T1C 5'	09/25/2007	98.2	95.4
342749- 7		T2A 0-6"	09/25/2007	106.0	94.8
342749- 8		T2B 0-6"	09/25/2007	140.1	111.0
342749- 9		T2C 0-6"	09/25/2007	108.8	97.6
342749- 10		T2A 5'	09/25/2007	111.0	99.0
342749- 11		T2B 5'	09/25/2007	117.1	103.4
342749- 12		T2C 5'	09/25/2007	115.1	101.4
342749- 13		T3A 0-6"	09/26/2007	110.0	98.7
342749- 14		T3B 10'	09/27/2007	247.0d	1019.d
342749- 15		T3C 0-6"	09/27/2007	107.0	96.0
342749- 16		T4 0-6"	09/27/2007	169.6d	1925.d
342749- 17		T4 14'	09/27/2007	380.1d	25000d
342749- 18		T5 0-6"	09/27/2007	106.4	100.0
342749- 19		T5 5'	09/26/2007	107.4	97.2
342749- 20		T6 0-6"	09/27/2007	127.1	1213.d
342749- 21		T6 10'	09/26/2007	97.3	87.5
342749- 22		T3A 5'	09/26/2007	103.4	92.4
342749- 23		T3B 10'	09/26/2007	105.8	94.2
342749- 24		T3C 5'	09/27/2007	107.7	95.4

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	50 - 150
BFB	BFB (Surrogate)	50 - 150

SURROGATE RECOVERIES REPORT

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: 483648 PROJECT: WYATT A ATTN: Charlie Durret

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 186090 186177 186613 Test Matrix...: Water Equipment Code: GCMSVOA03

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			09/26/2007	104.5	110.5	103.0	105.2
MB			09/26/2007	99.2	111.4	99.7	113.2
186090--21 LCS			09/25/2007	108.8	119.1	107.2	110.6
186090--21 MB			09/25/2007	107.4	111.7	106.2	109.3
342749- 23 MS		T3B 10'	09/26/2007	106.9	117.5	103.7	112.0
342749- 23 MSD		T3B 10'	09/26/2007	109.5	114.8	106.5	113.7
186613--21 LCS			10/03/2007	87.6	100.0	94.2	100.1
186613--21 MB			10/03/2007	85.5	121.6	93.5	101.5
186613--21 LCS			10/03/2007	84.5	102.7	92.4	104.6

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 186090 186177 186613 Test Matrix...: SPLP Equipment Code: GCMSVOA03

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
186005--21 PB			09/25/2007	102.5	112.9	104.2	107.8
186076--21 PB			09/26/2007	106.2	116.2	108.4	114.8
186501--21 PB			10/03/2007	84.4	123.2	93.1	101.5
342749- 4		T1A 5'	09/25/2007	104.1	114.9	103.5	110.8
342749- 4 MS		T1A 5'	09/25/2007	107.0	114.0	104.1	110.6
342749- 4 MSD		T1A 5'	09/25/2007	106.0	114.9	107.4	110.9
342749- 5		T1B 5'	09/25/2007	102.4	112.7	103.0	110.1
342749- 6		T1C 5'	09/25/2007	99.4	112.6	101.8	112.5
342749- 10		T2A 5'	09/25/2007	103.1	117.0	100.6	112.7
342749- 11		T2B 5'	09/25/2007	107.0	118.6	103.7	112.5
342749- 12		T2C 5'	09/25/2007	106.6	116.0	106.8	110.6
342749- 14		T3B 10'	09/26/2007	107.1	113.9	106.3	110.3
342749- 17		T4 14'	10/03/2007	83.7	98.6	90.7	101.5
342749- 19		T5 5'	09/26/2007	105.1	118.5	107.3	109.6
342749- 21		T6 10'	09/26/2007	98.0	115.8	101.8	108.9
342749- 22		T3A 5'	09/26/2007	104.2	116.4	106.1	108.6
342749- 23		T3B 10'	09/26/2007	106.0	112.6	103.5	108.7
342749- 24		T3C 5'	09/26/2007	105.1	119.3	107.9	111.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: 483648 PROJECT: WYATT A ATTN: Charlie Durret

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 186047 186118 186224 Test Matrix...: Soil Equipment Code: GCMSVOA03

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			09/26/2007	108.1	120.5	108.1	111.6
MB			09/26/2007	102.8	119.8	105.0	111.5
186047--21 LCS			09/24/2007	92.5	110.1	108.1	102.8
186047--21 MB			09/24/2007	73.5	87.1	81.6	75.9
186118--21 LCS			09/25/2007	92.0	103.7	95.5	94.6
186118--21 MB			09/25/2007	80.4	98.2	84.6	86.1
342749- 1		T1A 0-6"	09/24/2007	92.9	93.5	90.4	81.7
342749- 2		T1B 0-6"	09/24/2007	78.2	111.5	88.5	95.7
342749- 2		T1B 0-6"	09/26/2007	107.8	118.7	108.5	110.4
342749- 2	MS	T1B 0-6"	09/26/2007	105.9	117.8	104.8	117.4
342749- 2	MSD	T1B 0-6"	09/26/2007	106.4	120.0	104.2	115.0
342749- 3		T1C 0-6"	09/24/2007	76.5	85.4	80.7	74.4
342749- 3	MS	T1C 0-6"	09/24/2007	71.9	84.8	80.7	79.1
342749- 3	MSD	T1C 0-6"	09/24/2007	76.9	85.7	85.1	79.1
342749- 4		T1A 5'	09/24/2007	77.5	78.6	83.4	74.8
342749- 5		T1B 5'	09/24/2007	83.5	83.8	84.8	74.4
342749- 6		T1C 5'	09/24/2007	89.6	89.9	95.4	83.8
342749- 7		T2A 0-6"	09/24/2007	79.2	91.5	89.0	84.4
342749- 8		T2B 0-6"	09/25/2007	76.8	88.5	78.8	74.0
342749- 9		T2C 0-6"	09/24/2007	85.3	97.7	89.8	83.0
342749- 10		T2A 5'	09/24/2007	87.0	95.6	94.7	83.3
342749- 11		T2B 5'	09/24/2007	91.5	99.0	96.4	85.9
342749- 12		T2C 5'	09/24/2007	92.3	98.2	96.7	83.2
342749- 13		T3A 0-6"	09/24/2007	84.5	91.5	92.1	84.9
342749- 14		T3B 10'	09/24/2007	85.8	111.7	89.3	109.6
342749- 14		T3B 10'	09/26/2007	99.3	108.0	101.2	108.2
342749- 15		T3C 0-6"	09/24/2007	92.2	96.6	103.5	85.5
342749- 16		T4 0-6"	09/25/2007	81.5	79.2	85.3	122.2
342749- 16		T4 0-6"	09/26/2007	101.2	116.1	57.5A	111.3
342749- 16		T4 0-6"	09/27/2007	109.0	109.4	91.1	99.1
342749- 17		T4 14'	09/24/2007	91.3	115.2	96.2	84.1
342749- 18		T5 0-6"	09/24/2007	80.8	94.6	86.4	82.7
342749- 19		T5 5'	09/24/2007	89.0	94.6	96.2	83.1
342749- 20		T6 0-6"	09/25/2007	69.2	69.5	71.2	87.1
342749- 20		T6 0-6"	09/26/2007	104.3	120.5	104.1	113.3
342749- 21		T6 10'	09/25/2007	86.1	94.2	88.0	85.5
342749- 21	MS	T6 10'	09/25/2007	83.6	94.7	89.7	87.0
342749- 21	MSD	T6 10'	09/25/2007	75.5	84.3	77.6	77.0
342749- 22		T3A 5'	09/25/2007	87.9	91.5	86.0	86.6
342749- 23		T3B 10'	09/25/2007	75.6	85.1	76.7	76.0
342749- 24		T3C 5'	09/25/2007	72.6	85.6	73.9	74.9

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	61 - 130
BRFLBE	4-Bromofluorobenzene	57 - 140
DBRFLM	Dibromofluoromethane	68 - 130
TOLD8	Toluene-d8	50 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 342749 Report Date.: 10/05/2007

CUSTOMER: 483648 PROJECT: WYATT A ATTN: Charlie Durret

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 186613 Test Matrix...: TCLP Equipment Code: GCMSVOA04

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
186528--21	PB		10/03/2007	83.3	118.1	90.9	100.1
343094- 1	MS	PENETRANT	10/03/2007	84.3	99.8	89.6	100.1
343094- 1	MSD	PENETRANT	10/03/2007	84.2	99.8	91.1	100.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/05/2007

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combinaticn of o,m and p-Cresol. The combination is reportesd as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amcunt reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl(Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MQL/PQL.
- Results for LCS and MS/MSD reccveries listed in the report are reported as ug/L on-column values which are not corrected for variables such as sample volumes or weights extracted, final volume of extracts and dilutions. To correct QC on-cclumn recoveries to reflect actual spiking volumes for soils, mutltiply the values reported for Diesel Range Organics and Semivolatiles by 33.3 and Gasoline Range Organics by 20. The 8260 and 1006 results will not require correction. The only corection required for water analysis is for method 1006 where the reported concentraiton must be multiplied by 0.1.
- Due to limitiation of the reporting software, results for the Method blank in the Semivolatile fraction are reported as "0". Which indicates there was no compound detected at the reporting limit for the compound reveiwed.

Explanation of Qualifiers:

U - This qualifier indicates that the analyte was analyzed but not detected.
J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

A - Matrix interference present in sample.
a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
b - Target analyte was found in the method blank.
M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
G - Marginal outlier within 1% of acceptance criteria.
r - RPD value is outside method acceptance criteria.
C - Poor RPD values observed due to the non-homogenous nature of the sample.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/05/2007

O - Sample required dilution due to matrix interference.
D - Sample reported from a dilution.
d - Spike and/or surrogate diluted.
E - The reported concentration exceeds the instrument calibration.
F - The analyte is outside QC limits and was not detected in any associated samples in the analytical batch.
H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
q - See the subcontract final report for qualifier explanation.
W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
K - High recovery will not affect the quality of reported results.
Z - See case narrative.

Explanation of Organic QC Outliers:

e - Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
T - Sample analysis yielded poor surrogate recovery.
R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
X - Gaseous compound. In-house QC limits are advisory.
Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
e - Serial dilution failed due to matrix interference.
g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
N - Spiked sample recovery is not within control limits.
n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
* - Duplicate analysis is not within control limits.

Abbreviations:

Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
CCV - Continuing Calibration Verification
CRA - Low level standard check - GFAA, Mercury
CRI - Low level standard check - ICP
Dil Fac - Dilution Factor - Secondary dilution analysis
DLFac - Detection Limit Factor
DU - Duplicate
EB - Extraction Blank (TCLP, SPLP, etc.)
ICAL - Initial Calibration

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/05/2007

ICB - Initial Calibration Blank
ICV - Initial Calibration Verification
ISA - Interference Check Sample A - ICP
ISB - Interference Check Sample B - ICP
LCD - Laboratory Control Duplicate
LCS - Laboratory Control Sample
MB - Method Blank
MD - Method Duplicate
MDL - Method Detection Limit
MQL - Method Quantitation Limit (TRRP)
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ND - Not Detected
PB - Preparation Blank
PREPF - Preparation Factor
RL - Reporting Limit
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time
SQL - Sample Quantitation Limit (TRRP)
TIC - Tentatively Identified Compound

Method References:

(1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-94-111 Methods for the Determination of METals in Environmental Samples, Supplement I, May 1994.
(3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
(4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
(5) HACH Water Analysis Handbook 3rd Edition (1997).
(6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
(7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.

(9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

LABORATORY CHRONICLE

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Lab ID: 342749-1 Client ID: T1A 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0018	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/25/2007 2125	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007 1707	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1524	1.00000

Lab ID: 342749-2 Client ID: T1B 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0040	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 1156	30
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007 1756	250.00
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2308	5.00000
SW-846 8260B	Volatile Organics	1	186224		09/26/2007 1936	1.00000

Lab ID: 342749-3 Client ID: T1C 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0103	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/25/2007 2253	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007 1732	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1733	1.00000

Lab ID: 342749-4 Client ID: T1A 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186078		09/25/2007 1522	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0125	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/25/2007 2337	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 1904	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1707	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1511	1.00000

Lab ID: 342749-5 Client ID: T1B 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186078		09/25/2007 1538	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0148	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 0021	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 1928	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1759	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1629	1.00000

Lab ID: 342749-6 Client ID: T1C 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	

LABORATORY CHRONICLE

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Lab ID: 342749-6 Client ID: T1C 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186078		09/25/2007 1625	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0210	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 0105	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 1952	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1825	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1655	1.00000

Lab ID: 342749-7 Client ID: T2A 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0233	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/26/2007 1453	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2155	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1850	1.00000

Lab ID: 342749-8 Client ID: T2B 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0255	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/26/2007 1537	20
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2220	10.000
SW-846 8260B	Volatile Organics	1	186118		09/25/2007 2249	1.00000

Lab ID: 342749-9 Client ID: T2C 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0318	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/27/2007 1034	5
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2245	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1916	1.00000

Lab ID: 342749-10 Client ID: T2A 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007 0941	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0340	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 0149	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2309	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 1942	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1721	1.00000

Lab ID: 342749-11 Client ID: T2B 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007 1028	

LABORATORY CHRONICLE

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Lab ID: 342749-11 Client ID: T2B 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0555	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/25/2007 1957	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2334	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2008	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1747	1.00000

Lab ID: 342749-12 Client ID: T2C 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186005		09/24/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007 1044	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0640	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 0233	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/25/2007 2358	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2033	1.00000
SW-846 8260B	Volatile Organics	1	186090	186005	09/25/2007 1813	1.00000

Lab ID: 342749-13 Client ID: T3A 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0703	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/26/2007 1706	20
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007 0023	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2059	1.00000

Lab ID: 342749-14 Client ID: T3B 10' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007 1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007 1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007 1130	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0725	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007 1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007 0040	30
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007 1217	250.00
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2359	5.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007 1517	1.00000
SW-846 8260B	Volatile Organics	1	186224		09/26/2007 2054	1.00000

Lab ID: 342749-15 Client ID: T3C 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007 0940	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007 1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/26/2007 1324	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007 1129	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007 2125	1.00000

Lab ID: 342749-16 Client ID: T4 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007 1000	

LABORATORY CHRONICLE

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Lab ID: 342749-16 Client ID: T4 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1003	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/27/2007	1034	40
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007	1242	250.00
SW-846 8260B	Volatile Organics	1	186047		09/25/2007	0025	5.00000
SW-846 8260B	Volatile Organics	1	186224		09/26/2007	2120	1.00000
SW-846 8260B	Volatile Organics	1	186224		09/27/2007	1758	10

Lab ID: 342749-17 Client ID: T4 14' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186501		10/02/2007	1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1146	10
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1048	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007	1156	50
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007	1406	250.00
SW-846 8260B	Volatile Organics	1	186047		09/24/2007	2150	1.00000
SW-846 8260B	Volatile Organics	1	186613	186501	10/03/2007	1548	1.00000

Lab ID: 342749-18 Client ID: T5 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007	1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1155	1.0000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/27/2007	1118	5
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007	1153	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007	2216	1.00000

Lab ID: 342749-19 Client ID: T5 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007	1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1201	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1218	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/25/2007	2337	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007	2225	1.0000
SW-846 8260B	Volatile Organics	1	186047		09/24/2007	2242	1.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007	1701	1.00000

Lab ID: 342749-20 Client ID: T6 0-6" Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	186054		09/25/2007	1000	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1240	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186227	186054	09/26/2007	1706	20
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007	1330	250.00
SW-846 8260B	Volatile Organics	1	186118		09/25/2007	2315	5.00000
SW-846 8260B	Volatile Organics	1	186224		09/26/2007	2146	1.00000

Lab ID: 342749-21 Client ID: T6 10' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007	1500	

LABORATORY CHRONICLE

Job Number: 342749 Date: 10/05/2007

CUSTOMER: Tetra Tech, Inc. PROJECT: WYATT A ATTN: Charlie Durret

Lab ID: 342749-21 Client ID: T6 10' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1217	
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1348	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007	0021	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007	2250	1.0000
SW-846 8260B	Volatile Organics	1	186118		09/25/2007	1504	1.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007	1727	1.00000

Lab ID: 342749-22 Client ID: T3A 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007	1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1233	10
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1410	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007	0040	10
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007	2314	1.0000
SW-846 8260B	Volatile Organics	1	186118		09/25/2007	1530	1.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007	1753	1.00000

Lab ID: 342749-23 Client ID: T3B 10' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007	1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1248	10
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1433	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007	0149	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/26/2007	2338	1.0000
SW-846 8260B	Volatile Organics	1	186118		09/25/2007	1648	1.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007	1451	1.00000

Lab ID: 342749-24 Client ID: T3C 5' Date Recvd: 09/22/2007 Sample Date: 09/20/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW-846 1312	1312 SPLP Zero Headspace Extraction	1	186076		09/25/2007	1500	
SW-846 3550B	Extraction (Ultrasonic) DRO	1	185984		09/24/2007	1000	
EPA300.0 REV2.	Ion Chromatography Analysis	1	186112		09/26/2007	1304	10
SW-846 9056	Ion Chromatography Analysis	1	186137		09/26/2007	1455	10.000
EPA 120.1	Specific Conductance @ 25 degrees C	1	186141		09/26/2007	1720	
SW-846 1312	Synthetic Precipitate Leachate Procedure	1	185998		09/24/2007	1500	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	186220	185984	09/26/2007	0233	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	186215		09/27/2007	0003	1.0000
SW-846 8260B	Volatile Organics	1	186118		09/25/2007	1714	1.00000
SW-846 8260B	Volatile Organics	1	186177		09/26/2007	1819	1.00000

088886

STL

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Tetra Tech	PROJECT NAME/NUMBER: W-9CTA 76400 36
SEND REPORT TO: C Durrett	**BILLING INFORMATION**
ADDRESS: 1703 W Industrial Midland Tx 79701	BILL TO: Conoco Phillips ADDRESS: Business Unit Micky Gunner
PHONE: 432-686-8081	PHONE:
FAX: 432-686-8085	FAX: PO NO:

LAB JOB NO. 372749

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	BTEX 8260 B	SPLP BTEX 1312/8260 B	DRO-GRO 8015	Chloride 300.0A	SPLP Chloride 1312/300.0	Conductivity 160.1	REMARKS/PRECAUTIONS
T1A	0-6"	9/20/07	848	Soil	Glass 8oz 2x3 2oz	Ice		X		X	X		X	
T1B	0-6"	9/20/07	840	Soil				X		X	X		X	No SPLP Cl or BTEX
T1C	0-6"	9/20/07	835	Soil				X		X	X		X	
T1A	5'	9/20/07	915	Soil				X	X	X	X	X	X	
T1B	5'	9/20/07	925	Soil				X	X	X	X	X	X	
T1C	5'	9/20/07	940	Soil				X	X	X	X	X	X	
T2A	0-6"	9/20/07	1006	Soil				X		X	X		X	No SPLP Cl or BTEX
T2B	0-6"	9/20/07	1000	Soil				X		X	X		X	
T2C	0-6"	9/20/07	955	Soil				X		X	X		X	
T2A	5'	9/20/07	1050	Soil				X	X	X	X	X	X	

SAMPLER: Durrett SHIPMENT METHOD: Fed Ex AIRBILL NO.: 8620 5880 9439

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☒ OTHER ASAP

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	9/21/07	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME 800	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	9-22-07	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME 8	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

088883

STL

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION

COMPANY: Tetra Tech
SEND REPORT TO: C Durrett
ADDRESS: 1703 W Industrial Ave
Midland TX 79701
PHONE: 432-686-8081
FAX: 432-686-8085

PROJECT INFORMATION

PROJECT NAME/NUMBER: Wyatt A 7640036

BILLING INFORMATION

BILL TO: ConocoPhillips
ADDRESS: Business Unit
Mickey Garner
PHONE:
FAX: PO NO:

LAB JOB NO. 342749

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	BTEX 8260B	SPLP BTEX 1312/8260	GRO-DRO 8015	Chloride 300.0A	SPLP Cl 1312/300.0A	Conductivity 160.0			REMARKS/PRECAUTIONS
T2A	5'	9/20/07	1040	Soil	[illegible]	Ice		X	X	X	X	X	X			
T2C	5'	9/20/07	1020					X	X	X	X	X	X			
T3A	0-6"	9/20/07	1055					X		X	X		X			
T3B	10'	9/20/07	1206					X	X	X	X	X	X			
T3C	0-6"	9/20/07	1106					X		X	X		X			

SAMPLER: Clark Durrett
SHIPMENT METHOD: Fed Ex
AIRBILL NO.: 8620 5880 9439

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☒ OTHER ASAP

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	9/21/07	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME 5:00	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE: [signature]	9-22-07	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY: TM	TIME 909	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

088884

STL

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: TetraTech	PROJECT NAME/NUMBER: Wyatt A 7640056
SEND REPORT TO: C Dworatt	**BILLING INFORMATION**
ADDRESS: 1703 W Industrial Midland TX 79701	BILL TO: Conoco Phillips
	ADDRESS: Business Unit Mickey Garner
PHONE: 432-686-8081	PHONE:
FAX: 432-686-8085	FAX: PO NO:

LAB JOB NO. 342749

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	BTEX 8260	SPLP-BTEX 1312/8260	DRO-GRO SW15	Chloride 300.0A	SPLP Chloride 1312/8260	Conductivity 120.1	REMARKS/PRECAUTIONS
T4	0-6"	9/20/07	1300	S, I	Glass 8oz 2oz	Ice		X		X	X		X	
T4	10'	9/20/07	1320					X	X	X	X	X	X	
T5	6-6 11	9/20/07	1337					X		X	X		X	
T5	5'	9/20/07	1347					X	X	X	X		X	
T6	0-6"	9/20/07	1407					X		X	X		X	
T6	10'	9/20/07	1420					X	X	X	X		X	

SAMPLER: Dworatt SHIPMENT METHOD: Fed Ex AIRBILL NO.: 8620 5880 9439

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☒ OTHER ASAP

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	9/21/07	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME 5:00	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	9.22.07	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME 0800	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

rpjsckl Job Sample Receipt Checklist Report V2

Job Number.: 342749 Location.: 57216 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: 09/24/2007 Date of the Report..: 09/24/2007
Project Number.: 99003817 Project Description.: Conoco Phillips Project Manager.....: sgk
Customer.....: Tetra Tech,Inc. Contact.: Charlie Durret

Questions ?	(Y/N)	Comments
Chain of Custody Received?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	N	9-12-07
...If "yes", custody seal intact?		
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples chilled?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	5.9
...If "no", is sample an air matrix?(no temp req.)		
Thermometer ID	Y	463
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?		
Additional		
Comments		
Sample Custodian Signature/Date	Y	mt

Page 1

APPENDIX F
Email Correspondence

You replied on 12/3/2007 11:44 AM.

Durrett, Charles

From: Trishia_Bad_Bear@nm.blm.gov [Trishia_Bad_Bear@nm.blm.gov] **Sent:** Mon 12/3/2007 10:54 AM
To: Durrett, Charles
Cc:
Subject: Re: ConocoPhillips Wyatt A
Attachments:

Mr. Durrett,

I've reviewed your proposed work plan and don't see any concerns. Upon approval from NMOCD, please let me know when you plan on starting the dirtwork.

Thank you,

Trishia C. Bad Bear
Natural Resource Specialist
BLM-Hobbs Field Station
505.393.3612 office
505.390.2258 cell
505.393.4280 fax

"Durrett, Charles" <Charles.Durrett@tetratech.com> 12/03/2007 10:52 AM

To <LWJohnson@state.nm.us>, <Trishia_Bad_Bear@nm.blm.gov>
cc <mickey.d.garner@conocophillips.com>
Subject ConocoPhillips Wyatt A

Wyatt A Federal Battery
Lea County, New Mexico
Unit E, Sec. 33, T17S, R33E
OCD 1RP# 1518

Mr. Johnson and Ms. Bad Bear, have you had a chance to review the proposed work plan for ConocoPhillips Wyatt A Battery?

Charles Durrett | Office and Project Manager
Main: 432.686.8081 | Fax: 432.686.8085
charles.durrett@tetratech.com

Tetra Tech | Complex World, Clear Solutions™
1703 W. Industrial Ave. | Midland, TX 79701 | www.tetratech.com

From: Durrett, Charles
Sent: Wed 11/28/2007 6:39 AM
To: LWJohnson@state.nm.us; Trishia_Bad_Bear@nm.blm.gov
Cc: mickey.d.garner@conocophillips.com
Subject:

Tetra Tech, Inc. is pleased to submit the attached findings report for a subsurface investigation at ConocoPhillips' Wyatt A Federal Battery crude oil release site. This work is in support of ConocoPhillips efforts to remediate a recent 21 barrel crude oil release onto an oil field road (4 x 1,100 feet) and on the back side of the battery.

If you concur with the recommendations in the report, ConocoPhillips has authorized Tetra Tech to commence work on this project immediately following receipt of your notification to proceed. Please contact me or Mr. Greg Pope, if you have any questions or require additional information.

Charles Durrett | Office and Project Manager
Main: 432.686.8081 | Fax: 432.686.8085
charles.durrett@tetratech.com

Tetra Tech | Complex World, Clear Solutions™
1703 W. Industrial Ave. | Midland, TX 79701 | www.tetratech.com

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You replied on 12/4/2007 2:58 PM.

Durrett, Charles

From: Johnson, Larry, EMNRD [larry.johnson@state.nm.us] **Sent:** Tue 12/4/2007 2:23 PM
To: Durrett, Charles
Cc:
Subject: RE: ConocoPhillips Wyatt A
Attachments:

Charlie,

I need to point out that the chloride is still 250. You need to change this in your work plan proposal. Proceed with the work.

Larry

From: Durrett, Charles [mailto:Charles.Durrett@tetratech.com]
Sent: Monday, December 03, 2007 10:52 AM
To: Johnson, Larry, EMNRD; Trishia_Bad_Bear@nm.blm.gov
Cc: mickey.d.garner@conocophillips.com
Subject: ConocoPhillips Wyatt A

Wyatt A Federal Battery
Lea County, New Mexico

Unit E, Sec. 33, T17S, R33E

OCD 1RP# 1518

Mr. Johnson andMs. Bad Bear, haveyou had a chance to review the proposed work plan for ConocoPhillips Wyatt A Battery?

Charles Durrett | **Office and Project Manager**
Main: 432.686.8081 | Fax: 432.686.8085
charles.durrett@tetratech.com

Tetra Tech | Complex World, Clear Solutions™
1703 W. Industrial Ave. | Midland, TX 79701 | www.tetratech.com

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From: Durrett, Charles
Sent: Wed 11/28/2007 6:39 AM
To: LWJohnson@state.nm.us; Trishia_Bad_Bear@nm.blm.gov
Cc: mickey.d.garner@conocophillips.com
Subject:

Tetra Tech, Inc. is pleased to submit the attached findings report for a subsurface investigation at ConocoPhillips' Wyatt A Federal Battery crude oil release site. This work is in support of ConocoPhillips efforts to remediate a recent 21 barrel crude oil release onto an oil field road (4 x 1,100 feet) and on the back side of the battery.

If you concur with the recommendations in the report, ConocoPhillips has authorized Tetra Tech to commence work on this project immediately following receipt of your notification to proceed. Please contact me or Mr. Greg Pope, if you have any questions or require additional information.

Charles Durrett | **Office and Project Manager**
Main: 432.686.8081 | Fax: 432.686.8085
charles.durrett@tetratech.com

Tetra Tech | Complex World, Clear Solutions™
1703 W. Industrial Ave. | Midland, TX 79701 | www.tetratech.com

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APPENDIX G
Closure Report
(Tetra Tech, September 8, 2008)

TETRA TECH

September 5, 2008

Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, NM 88240

Ms. Trisha Bad Bear
U.S. Bureau of Land Management
414 West Taylor
Hobbs, NM 88240

RE: Wyatt A Federal Battery Request for Closure
Lea County, New Mexico
Unit E, Sec. 33, T17S, R33E
OCD 1RP# 1518

Dear Mr. Johnson and Ms. Bad Bear:

Tetra Tech, Inc. (Tetra Tech) is pleased to submit this request for closure for ConocoPhillips' East Vacuum, Grayburg, San Andres Unit, Wyatt A Federal Battery crude oil release site (Site; Figure 1). This request is in support of ConocoPhillips remediation of a recent 21 barrel crude oil release onto an oil field road and in the battery (C141 attached). The Site is below and located approximately 0.4 miles southwest of Mescalero Ridge (32.79480N, 103.37433W). It is approximately 5.9 miles southeast of ConocoPhillips' Maljamar office. Mr. John Norris owns the surface while the U.S. Bureau of Land Management (BLM) administers the minerals.

Wyatt A is located in the Querecho Plains of eastern New Mexico. This area generally consists of a thin cover of Quaternary sand dunes overlying the undivided Triassic Upper Chinle Group.[1] The Pyote and Dune Series soil at the Site consists of very deep well-drained sand and sandy loam. Typically, the surface layer is yellowish red to dark reddish-brown fine sand. It is underlain by yellowish red sandy clay. Below this is light yellowish brown gravelly fine sandy loam.[2]

Exposure Pathway Analysis

Depth to water in the vicinity of the Site is estimated to be approximately 90 feet below ground surface (fbgs). This interpretation is based on potentiometric surface contours described by Nicholson and Clebsch[1] for groundwater conditions in Southern Lea County. The New Mexico Office of State Engineer's database[3] did not yield any depth

[1] Nicholson Jr., A. and A. Clebsch, 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. USGS, GW Rpt 6, Socorro, NM. pp. 123.

[2] U.S. Department of Agriculture, Natural Resources Conservation Services. Web Soil Survey Database.

[3] New Mexico Office of State Engineer. W.A.T.E.R.S. Database.

Tetra Tech
1910 N. Big Spring St. Midland, Texas 79705
Tel 432.686.8081 Fax 432.682.3946 www.tetratech.com

to groundwater information in this area. The United States Geological Survey's database[4] only described groundwater conditions above Mescalero Ridge. Nicholson and Clebsch did indicate a well approximately 2.1 miles to the northwest that registered groundwater at 70 fbgs.

A water well (depth to water unknown) supplying fresh water to a stock pond is located approximately 0.8 miles northwest of the Site. There are dry playas in the area that briefly hold water following a rainfall event. The nearest playa is approximately 330 feet northwest of the Site.

Following the ranking criteria presented in "*Guidelines for Remediation of Leaks, Spills, and Releases*" promulgated on August 13, 1993 by the New Mexico Oil Conservation Division (NMOCD), this Site has the following score:

Criteria		Ranking Score
Depth to groundwater	<100 feet	10
Distance from water source	>1000 feet	0
Distance from domestic water source	>200 feet	0
Distance from surface water body	<1,000 feet	10
Total Ranking Score		20

The remediation action level for a ranking score of >19 is 10 parts per million (ppm) for benzene, 50 ppm for total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm for total petroleum hydrocarbons (TPH).

Actions

Tetra Tech performed the following activities at Wyatt A Federal Battery:

- Beginning at sampling cell C-3 and east toward and including the battery, soil was excavated to a depth of approximately 3 to 4 feet or until the BTEX concentrations were below NMOCD action level of 10 ppm on a PID. Companion composite battery samples (sample cells C1-3) were submitted to a laboratory where they were analyzed for chloride (Method 300.0A), diesel and gasoline range hydrocarbons (TPH_{DRO} and TPH_{GRO}, Method 8015) and BTEX (Method 8260). The excavated material was hauled to a State approved disposal location.

- The road excavation sidewalls and floor (5 to 10 feet depth) were randomly screened every 50 feet using a PID, PetroFlag-TPH, and chloride field screening to determine that remediation levels have been achieved (PID reading < 10 ppm, chloride titration < 500 ppm).

[4] United States Geological Survey. Groundwater Levels for the Nation Database.

- Random north and south sidewalls and floor road excavation samples (sample cells C 4-19) were submitted to a laboratory for analytical laboratory where they were analyzed for chloride (Method 300.0A), $TPH_{DRO-GRO}$ (Method 8015) and BTEX (Method 8260) to confirm that these constituents have been removed to concentrations below remediation guidelines.

- Affected soil in the historic road bed was excavated and hauled to a State approved disposal location.

- In the battery area (C1-3), the remaining soil in the excavation was slightly domed (1 foot higher than the sides). The slight doming of the soil beneath a "liner" material will promote lateral drainage off of the geo-membrane after placement. The dome was hand groomed by removing any large sticks and smoothing the surface. A one foot deep anchor trench was constructed around the inside perimeter of the excavation and a 40-mil medium density polyethylene geo-membrane was installed over the domed area. The membrane was cut to fit into the perimeter trench and native soil was backfilled around the perimeter to hold the geo-membrane in-place. Native soil with no rocks or debris was backfilled over the membrane to meet surrounding surface grades. Four carsonite markers were set at the corners of the remediation area notifying interested parties that a subsurface structure was in-place. The inscription on each marker reads "CAUTION, SUBSURFACE STRUCTURE, Call Before Digging, MCA Unit 575-393-0130."

Findings

Excavations at the Site encountered sand and sandy loam. Typically, the surface layer is yellowish red to dark reddish-brown fine sand. It is underlain by yellowish red sandy clay. Below this was sandy clay interbedded with cliché.

Confirmation sample laboratory analyses of soils remaining below the buried water deflection structure (C 1-3) are below NMOCD recommended remediation limits for TPH and benzene (Table 1). Advancement of the east wall excavation was halted owing to road safety concerns. The PID reading of composite east wall soils was 8.6 ppm. Field chloride titration of soil from the east wall indicated a composite chloride concentration was 218 ppm.

Confirmation sample laboratory analyses indicate the soils remaining in the historic oil field road excavation are below NMOCD remediation standards (Table 1).

Conclusions

According to laboratory analysis of soils collected during an earlier investigation, TPH, BTEX, and chloride were detected in road and the battery. Exposure pathway analysis indicated a ranking score of "20." Therefore, the site-specific remediation levels are 100 ppm for TPH, 50 ppm for BTEX and 10 ppm for benzene. Based on laboratory analyses of soils remaining after excavation (Table 1), the impacts to soil around the battery and

within historic road area are below the NMOCD action levels for TPH and benzene. Chloride concentrations remaining in the battery area and historic oil field road are below pit rule requirements (19.15.17 NMAC, 500 mg/Kg).

Recommendations

The affected soil below the liner will be left in place until the battery is permanently closed in accordance with NMOCD and BLM rules for site abandonment. Tetra Tech recommends no further action be taken at the Wyatt A Site, and requests closure of 1RP-1518

If you concur with this recommendation or if you have any questions or require additional information, please contact me (432-686-8081) or Mr. Jesse Sosa (ConocoPhillips, 505-391-3126).

Sincerely,

Tetra Tech, Inc.

Charles Durrett
Project Manager

Attachments: Table
Figures
C141
Photo Log
Appendix

Cc: Mr. Jesse Sosa, ConocoPhillips Company

Table 1
ConocoPhillips Company
Wyatt A Federal Battery
Soil Laboratory Analysis
4/30/2008

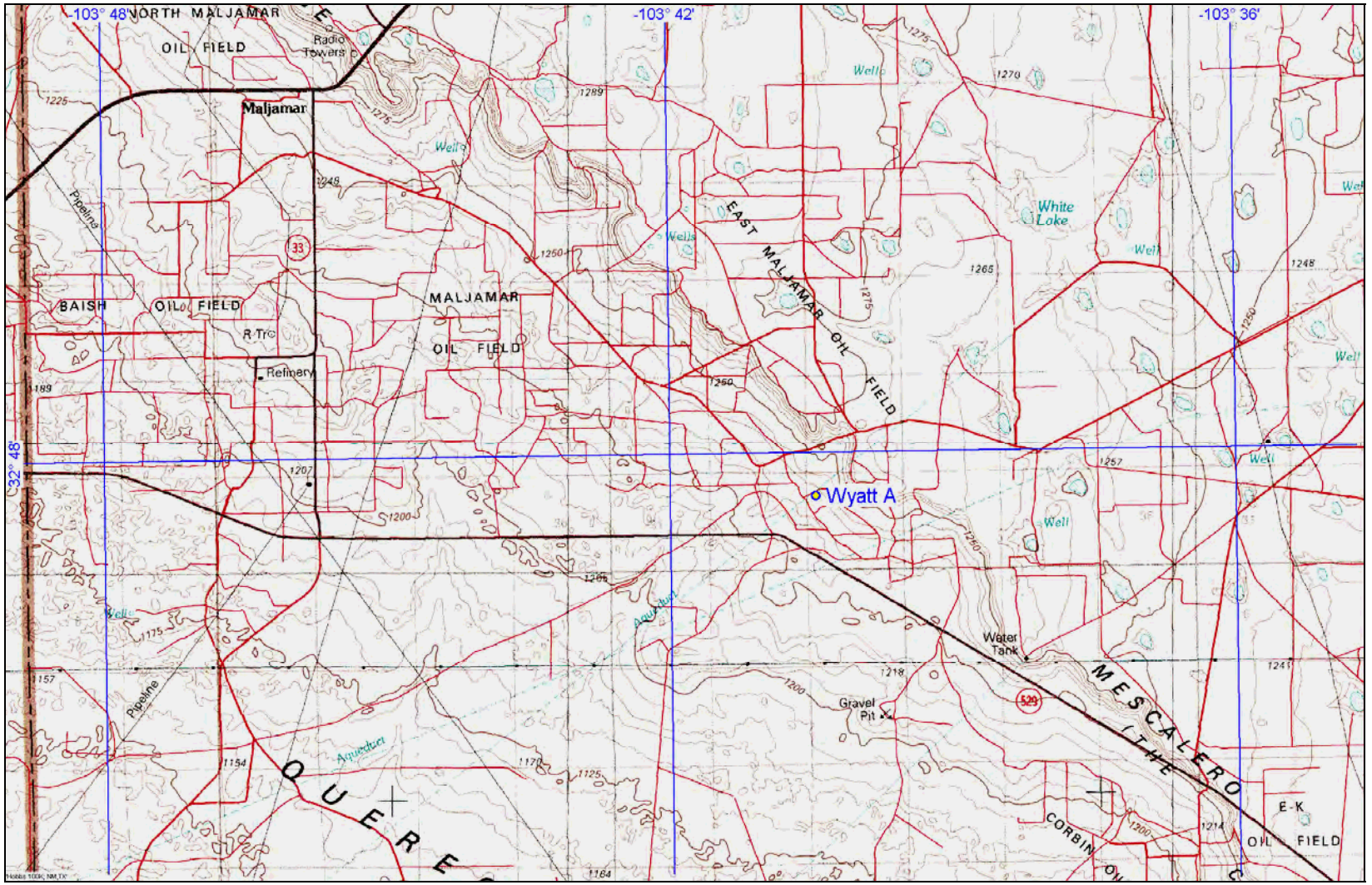
Location	Sample Location	Chloride (mg/Kg)	Total Petroleum Hydrocarbons GRO (mg/Kg)	DRO (mg/Kg)	Total (mg/Kg)	Benzene (mg/Kg)	Ethyl-benzene (mg/Kg)	Toluene (mg/Kg)	Xylenes Total (mg/Kg)	Total BTEX (mg/Kg)
C1-3	N	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N	92.6	ND	ND	ND	ND	ND	ND	ND	ND
	N	145	ND	ND	ND	ND	ND	ND	ND	ND
	S	223	ND	ND	ND	ND	ND	ND	ND	ND
	B	445	ND	ND	ND	ND	ND	ND	ND	ND
C4	N	159	ND	15	15	ND	ND	ND	ND	ND
	S	29.7	ND	ND	ND	ND	ND	ND	ND	ND
	B-14'	82	ND	ND	ND	ND	ND	ND	ND	ND
C5	N	11.4	ND	ND	ND	ND	ND	ND	ND	ND
	S	199	ND	ND	ND	ND	ND	ND	ND	ND
	B-14'	121	ND	5.9	5.9	ND	ND	ND	ND	ND
C6	N	186	ND	6.5	6.5	ND	ND	ND	ND	ND
	S	229	ND	ND	ND	ND	ND	ND	ND	ND
	B-12'	80.8	ND	ND	ND	ND	ND	ND	ND	ND
C7	N	187	ND	ND	ND	ND	ND	ND	ND	ND
	S	236	ND	ND	ND	ND	ND	ND	ND	ND
	B-10'	133	ND	5.5	5.5	ND	ND	0.005	0.035	0.040
C8	N	155	ND	ND	ND	ND	ND	ND	ND	ND
	S	35.5	ND	ND	ND	ND	ND	ND	ND	ND
	B-9'	89.6	ND	ND	ND	ND	ND	ND	ND	ND
C9	N	128	ND	ND	ND	ND	ND	ND	ND	ND
	S	150	ND	ND	ND	ND	ND	ND	ND	ND
	B-8'	198	ND	ND	ND	ND	ND	ND	ND	ND
C10	N	16	ND	ND	ND	ND	ND	ND	ND	ND
	S	171	ND	ND	ND	ND	ND	ND	ND	ND
	B-8'	198	ND	ND	ND	ND	ND	ND	ND	ND
C11	N	144	ND	ND	ND	ND	ND	ND	ND	ND
	S	163	ND	ND	ND	ND	ND	ND	ND	ND
	B-9'	242	ND	ND	ND	ND	ND	ND	ND	ND
C12	N	125	ND	ND	ND	ND	ND	ND	ND	ND
	S	205	ND	ND	ND	ND	ND	ND	ND	ND
	B-9'	128	ND	16	16	ND	ND	ND	ND	ND
C13	N	72.5	ND	ND	ND	ND	ND	ND	ND	ND
	S	115	ND	9.2	9.2	ND	ND	ND	ND	ND
	B-12'	49.3	ND	ND	ND	ND	ND	ND	ND	ND
C14	N	76.2	ND	ND	ND	ND	ND	ND	ND	ND
	S	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B-8'	46.2	ND	ND	ND	ND	ND	ND	ND	ND
C15	N	255	ND	ND	ND	ND	ND	ND	ND	ND
	S	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B-8'	27.2	ND	ND	ND	ND	ND	ND	ND	ND
C16	N	5.31	ND	ND	ND	ND	ND	ND	ND	ND
	S	27.3	ND	ND	ND	ND	ND	ND	ND	ND
	B-8'	94.3	ND	ND	ND	ND	ND	ND	ND	ND

Table 1
Continued

Location	Sample Location	Chloride (mg/Kg)	Total Petroleum Hydrocarbons GRO (mg/Kg)	DRO (mg/Kg)	Total (mg/Kg)	Benzene (mg/Kg)	Ethyl-benzene (mg/Kg)	Toluene (mg/Kg)	Xylenes Total (mg/Kg)	Total BTEX (mg/Kg)
C17	N	32.9	ND	ND	ND	ND	ND	ND	ND	ND
	S	5.27	ND	ND	ND	ND	ND	ND	ND	ND
	B-6'	149	ND	ND	ND	ND	ND	ND	ND	ND
C18	N	27.3	ND	ND	ND	ND	ND	ND	ND	ND
	S	46.4	ND	ND	ND	ND	ND	ND	ND	ND
	B-6'	ND	ND	ND	ND	ND	ND	ND	ND	ND
C19	N	31	ND	ND	ND	ND	ND	ND	ND	ND
	S	36.4	ND	ND	ND	ND	ND	ND	ND	ND
	B-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND
	W	14	ND	ND	ND	ND	ND	ND	ND	ND

N = North side of excavation
S = South side of excavation
B = Bottom of excavation
W = West
' = Feet

ND = Not detected at or above laboratory detection level
GRO = Gasoline range petroleum hydrocarbons
DRO = Diesel range petroleum hydrocarbons
mg/Kg = Milligrams per kilogram



Source: USGS,1978. Hobbs New Mexico – Texas Topographic Map 1:24,000 scale.

TETRA TECH, INC.	
ConocoPhillips	**Southeastern New Mexico Unit**
Figure 1. Wyatt A Federal Crude Oil Release Site	

Source: NRCS, Web Soil Survey. No scale.

C-2 Sampling Cell

TETRA TECH, INC.

ConocoPhillips

East Vacuum, Grayburg, San Andres Unit

Figure 2. Wyatt A Federal Crude Oil Release Site and Sampling Locations.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **ConocoPhillips Company**	Contact **Mickey Garner**
Address **3300 North A St. Bldg 6, Midland, TX 79705-5406**	Telephone No. **505.391.3158**
Facility Name **Wyatt A Federal**	Facility Type **Oil and Gas**

Surface Owner ~~**State of New Mexico**~~ John Norris	Mineral Owner **BLM**	Lease No **NM108507**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	**33**	**17S**	**33E**					**Lea**

Latitude N 32.79480 Longitude W 103.67433

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **21bbl (21oil, 0water)**	Volume Recovered **(4oil, 0water)**
Source of Release **300 bbl Steel Tank**	Date and Hour of Occurrence **7-29-2007 02:00**	Date and Hour of Discovery **7-29-2007 07:30**
Was Immediate Notice Given? ☒ Yes ☐ No ☒ Not Required	If YES, To Whom? **Pat Richards NMOCD**	
By Whom? **Mickey Garner**	Date and Hour **7-29-2007 17:52**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The source of discharge was a hole in the bottom of a 300 bbl steel tank. A vacuum truck was called out to pick up free liquids.

Describe Area Affected and Cleanup Action Taken.*
The area affected is an 1100' X 10' section of prepared location pad and roadway. No vegetation was affected. The area will be delineated and remediated in accordance with NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: **Mickey Garner**	Approved by District Supervisor: ENVIROTECH
Title: **HSER Lead**	Approval Date: 8.3.07 Expiration Date: 10.3.07
E-mail Address: **Mickey.D.Garner@conocophillips.com**	Conditions of Approval: SUBMITTAL OF FINAL C-141 W/ DELINEATION & CLEANUP DOCUMENTATION BY RP# 1518 Attached ☐
Date: **7-31-2007** Phone: **505.391.3158**	

- Attach Additional Sheets If Necessary

ConocoPhillips

Wyatt A Federal Battery

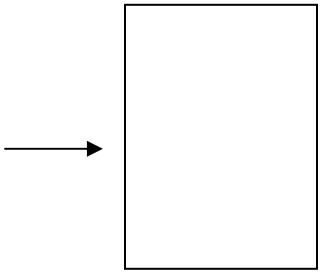
PHOTO LOG

ConocoPhillips

Wyatt A Federal Battery

Photo Log

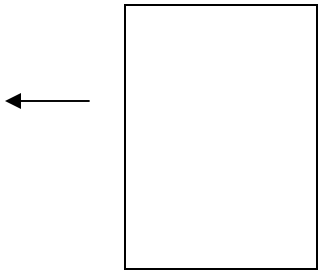
View – East, Toward Battery



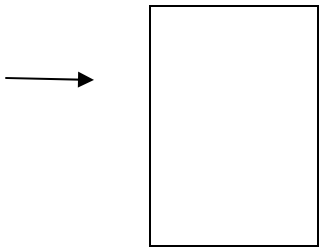
ConocoPhillips

Wyatt A Federal Battery

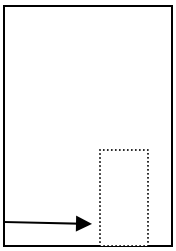
View – West, Away From Battery and Down Historic Oil Field Road



View – East, Toward Battery and Up the Historic Oil Field Road



View – East, Toward Removed Battery (Excavating Oily Soil)



ConocoPhillips

Wyatt A Federal Battery

View – South Toward Restored Battery (Subsurface Marker)

View – West Along Restored Historic Oil Field Road (Subsurface Marker)

View – East Along Restored Historic Oil Field Road (Subsurface Marker)

ConocoPhillips

Wyatt A Federal Battery

View – South Toward Restored Battery (Subsurface Marker)

View –Subsurface Marker

ConocoPhillips

Wyatt A Federal Battery

APPENDIX
Laboratory Analyses

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

08041870

Report To:		Project Name:	COP Wyatt Federal A Tank Battery Rem
Tetra Tech		Site:	Maljamar, NM
Charlie Durrett		Site Address:	
1703 W Industrial Avenue			
Midland		PO Number:	WA5.CNM.0100
TX		State:	New Mexico
79701-		State Cert. No.:	
ph: (432) 686-8081	fax:	Date Reported:	5/9/2008

This Report Contains A Total Of 40 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

5/9/2008

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Conoco Phillips

Certificate of Analysis Number:

08041870

Report To:		Project Name:	COP Wyatt Federal A Tank Battery Rem
Tetra Tech		Site:	Maljamar, NM
Charlie Durrett		Site Address:	
1703 W Industrial Avenue			
Midland		PO Number:	WA5.CNM.0100
TX		State:	New Mexico
79701-		State Cert. No.:	
ph: (432) 686-8081	fax:	Date Reported:	5/9/2008

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

Results for soils are reported on a dry-weight basis.

The samples submitted for Volatile Organics by SW846 Method 8260B and Gasoline Range Organics by SW846 Method 8015B analyses were received in a vessel that is not stipulated in Method 5035A; the samples were not preserved and/or analyzed within 48 hours of sample collection.

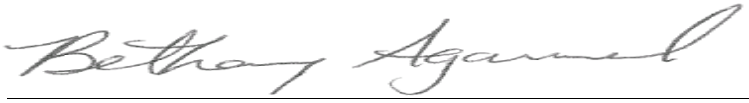
Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



5/9/2008

Bethany A. Agarwal
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

08041870

Report To: Tetra Tech
Charlie Durrett
1703 W Industrial Avenue

Midland
TX
79701-
ph: (432) 686-8081 fax: (432) 686-8085

Fax To:

Project Name: COP Wyatt Federal A Tank Battery Rem
Site: Maljamar, NM
Site Address:

PO Number: WA5.CNM.0100
State: New Mexico
State Cert. No.:
Date Reported: 5/9/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
C5-SW-S	08041870-01	Soil	4/24/2008 10:48:00 AM	4/30/2008 10:00:00 AM	278373	☐
C4-SW-S	08041870-02	Soil	4/28/2008 3:41:00 PM	4/30/2008 10:00:00 AM	278373	☐
C5-SW-N	08041870-03	Soil	4/28/2008 10:01:00 AM	4/30/2008 10:00:00 AM	278373	☐
C4-SW-N	08041870-04	Soil	4/28/2008 3:41:00 PM	4/30/2008 10:00:00 AM	278373	☐
C6-Bot-12'	08041870-05	Soil	4/28/2008 11:05:00 AM	4/30/2008 10:00:00 AM	278373	☐
C7-Bot-10'	08041870-06	Soil	4/28/2008 1:28:00 PM	4/30/2008 10:00:00 AM	278373	☐
C8-SW-N	08041870-07	Soil	4/28/2008 3:08:00 PM	4/30/2008 10:00:00 AM	278373	☐
C6-SW-N	08041870-08	Soil	4/28/2008 10:49:00 AM	4/30/2008 10:00:00 AM	278373	☐
C6-SW-S	08041870-09	Soil	4/28/2008 10:54:00 AM	4/30/2008 10:00:00 AM	278373	☐
C8-SW-S	08041870-10	Soil	4/28/2008 3:15:00 PM	4/30/2008 10:00:00 AM	278373	☐
C8-Bot-9'	08041870-11	Soil	4/28/2008 3:21:00 PM	4/30/2008 10:00:00 AM	278378	☐
C7-SW-S	08041870-12	Soil	4/28/2008 1:21:00 PM	4/30/2008 10:00:00 AM	278378	☐
C7-SW-N	08041870-13	Soil	4/28/2008 1:15:00 PM	4/30/2008 10:00:00 AM	278378	☐
C3-SW-3	08041870-14	Soil	4/24/2008 10:09:00 AM	4/30/2008 10:00:00 AM	278378	☐
C4-Bot-14'	08041870-15	Soil	4/23/2008 3:02:00 PM	4/30/2008 10:00:00 AM	278378	☐

Bethany A. Agarwal
Senior Project Manager

5/9/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C5-SW-S **Collected:** 04/24/2008 10:48 **SPL Sample ID:** 08041870-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/05/08 20:39	NW	4418950
Surr: n-Pentacosane	73.6		%	20-154	1	05/05/08 20:39	NW	4418950

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 14:39	SFE	4411500
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/01/08 14:39	SFE	4411500
Surr: 4-Bromofluorobenzene	100		%	50-159	1	05/01/08 14:39	SFE	4411500

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:04	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	199			21.4	4	05/02/08 22:26	A_E	4413420
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	6.51			0	1	05/01/08 10:48	ESK	4409272
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.4	1	05/03/08 11:58	JC	4414322
Ethylbenzene	ND			5.4	1	05/03/08 11:58	JC	4414322
Toluene	ND			5.4	1	05/03/08 11:58	JC	4414322
m,p-Xylene	ND			5.4	1	05/03/08 11:58	JC	4414322
o-Xylene	ND			5.4	1	05/03/08 11:58	JC	4414322
Xylenes,Total	ND			5.4	1	05/03/08 11:58	JC	4414322
Surr: 1,2-Dichloroethane-d4	89.8		%	64-130	1	05/03/08 11:58	JC	4414322
Surr: 4-Bromofluorobenzene	95.8		%	62-130	1	05/03/08 11:58	JC	4414322
Surr: Toluene-d8	106		%	70-140	1	05/03/08 11:58	JC	4414322

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:12	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C4-SW-S **Collected:** 04/28/2008 15:41 **SPL Sample ID:** 08041870-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/05/08 21:02	NW	4418951
Surr: n-Pentacosane	71.3		%	20-154	1	05/05/08 21:02	NW	4418951

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 15:07	SFE	4411501
Surr: 1,4-Difluorobenzene	99.3		%	63-142	1	05/01/08 15:07	SFE	4411501
Surr: 4-Bromofluorobenzene	98.0		%	50-159	1	05/01/08 15:07	SFE	4411501

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:05	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	29.7			5.1	1	05/02/08 23:15	A_E	4413423
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	1.94			0	1	05/01/08 10:48	ESK	4409271
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.1	1	05/03/08 13:20	JC	4414325
Ethylbenzene	ND			5.1	1	05/03/08 13:20	JC	4414325
Toluene	ND			5.1	1	05/03/08 13:20	JC	4414325
m,p-Xylene	ND			5.1	1	05/03/08 13:20	JC	4414325
o-Xylene	ND			5.1	1	05/03/08 13:20	JC	4414325
Xylenes,Total	ND			5.1	1	05/03/08 13:20	JC	4414325
Surr: 1,2-Dichloroethane-d4	85.3		%	64-130	1	05/03/08 13:20	JC	4414325
Surr: 4-Bromofluorobenzene	89.3		%	62-130	1	05/03/08 13:20	JC	4414325
Surr: Toluene-d8	101		%	70-140	1	05/03/08 13:20	JC	4414325

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:18	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C5-SW-N **Collected:** 04/28/2008 10:01 **SPL Sample ID:** 08041870-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg**	
Diesel Range Organics (C10-C28)	ND			5	1	05/05/08 21:24	NW	4418952
Surr: n-Pentacosane	70.1		%	20-154	1	05/05/08 21:24	NW	4418952

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg**	
Gasoline Range Organics	ND			0.1	1	05/01/08 15:36	SFE	4411502
Surr: 1,4-Difluorobenzene	99.1		%	63-142	1	05/01/08 15:36	SFE	4411502
Surr: 4-Bromofluorobenzene	97.4		%	50-159	1	05/01/08 15:36	SFE	4411502

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:05	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg**	
Chloride	11.4			5	1	05/02/08 23:31	A_E	4413424
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	ND			0	1	05/01/08 10:48	ESK	4409270
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg**	
Benzene	ND			5	1	05/03/08 13:48	JC	4414326
Ethylbenzene	ND			5	1	05/03/08 13:48	JC	4414326
Toluene	ND			5	1	05/03/08 13:48	JC	4414326
m,p-Xylene	ND			5	1	05/03/08 13:48	JC	4414326
o-Xylene	ND			5	1	05/03/08 13:48	JC	4414326
Xylenes,Total	ND			5	1	05/03/08 13:48	JC	4414326
Surr: 1,2-Dichloroethane-d4	87.6		%	64-130	1	05/03/08 13:48	JC	4414326
Surr: 4-Bromofluorobenzene	91.6		%	62-130	1	05/03/08 13:48	JC	4414326
Surr: Toluene-d8	102		%	70-140	1	05/03/08 13:48	JC	4414326

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:20	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C4-SW-N **Collected:** 04/28/2008 15:41 **SPL Sample ID:** 08041870-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	15			5.3	1	05/05/08 21:46	NW	4418953
Surr: n-Pentacosane	70.4		%	20-154	1	05/05/08 21:46	NW	4418953

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 16:05	SFE	4411503
Surr: 1,4-Difluorobenzene	101		%	63-142	1	05/01/08 16:05	SFE	4411503
Surr: 4-Bromofluorobenzene	98.2		%	50-159	1	05/01/08 16:05	SFE	4411503

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:06	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	159			10.5	2	05/02/08 23:48	A_E	4413425
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.1			0	1	05/01/08 10:48	ESK	4409269
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/03/08 14:16	JC	4414327
Ethylbenzene	ND			5.3	1	05/03/08 14:16	JC	4414327
Toluene	ND			5.3	1	05/03/08 14:16	JC	4414327
m,p-Xylene	ND			5.3	1	05/03/08 14:16	JC	4414327
o-Xylene	ND			5.3	1	05/03/08 14:16	JC	4414327
Xylenes,Total	ND			5.3	1	05/03/08 14:16	JC	4414327
Surr: 1,2-Dichloroethane-d4	87.3		%	64-130	1	05/03/08 14:16	JC	4414327
Surr: 4-Bromofluorobenzene	93.2		%	62-130	1	05/03/08 14:16	JC	4414327
Surr: Toluene-d8	105		%	70-140	1	05/03/08 14:16	JC	4414327

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:22	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C6-Bot-12' **Collected:** 04/28/2008 11:05 **SPL Sample ID:** 08041870-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/05/08 22:08	NW	4418954
Surr: n-Pentacosane	75.5		%	20-154	1	05/05/08 22:08	NW	4418954

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 17:33	SFE	4411572
Surr: 1,4-Difluorobenzene	99.9		%	63-142	1	05/01/08 17:33	SFE	4411572
Surr: 4-Bromofluorobenzene	97.1		%	50-159	1	05/01/08 17:33	SFE	4411572

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:19	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	80.8			5.3	1	05/03/08 0:04	A_E	4413426

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	3.23			0.5	1	05/05/08 17:42	A_E	4418340

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.59			0	1	05/01/08 10:48	ESK	4409267

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/02/08 20:51	LT	4413373
Ethylbenzene	ND			5	1	05/02/08 20:51	LT	4413373
Toluene	ND			5	1	05/02/08 20:51	LT	4413373
m,p-Xylene	ND			5	1	05/02/08 20:51	LT	4413373
o-Xylene	ND			5	1	05/02/08 20:51	LT	4413373
Xylenes,Total	ND			5	1	05/02/08 20:51	LT	4413373
Surr: 1,2-Dichloroethane-d4	92.0		%	62-130	1	05/02/08 20:51	LT	4413373
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/02/08 20:51	LT	4413373
Surr: Toluene-d8	96.0		%	74-122	1	05/02/08 20:51	LT	4413373

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C6-Bot-12' **Collected:** 04/28/2008 11:05 **SPL Sample ID:** 08041870-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.3	1	05/03/08 14:43	JC	4414328
Ethylbenzene	ND			5.3	1	05/03/08 14:43	JC	4414328
Toluene	ND			5.3	1	05/03/08 14:43	JC	4414328
m,p-Xylene	ND			5.3	1	05/03/08 14:43	JC	4414328
o-Xylene	ND			5.3	1	05/03/08 14:43	JC	4414328
Xylenes,Total	ND			5.3	1	05/03/08 14:43	JC	4414328
Surr: 1,2-Dichloroethane-d4	89.5		%	64-130	1	05/03/08 14:43	JC	4414328
Surr: 4-Bromofluorobenzene	93.4		%	62-130	1	05/03/08 14:43	JC	4414328
Surr: Toluene-d8	103		%	70-140	1	05/03/08 14:43	JC	4414328

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:24	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C7-Bot-10' **Collected:** 04/28/2008 13:28 **SPL Sample ID:** 08041870-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	5.5			5.2	1	05/05/08 22:30	NW	4418955
Surr: n-Pentacosane	96.5		%	20-154	1	05/05/08 22:30	NW	4418955

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 18:02	SFE	4411573
Surr: 1,4-Difluorobenzene	101		%	63-142	1	05/01/08 18:02	SFE	4411573
Surr: 4-Bromofluorobenzene	98.4		%	50-159	1	05/01/08 18:02	SFE	4411573

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:20	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	133			10.4	2	05/03/08 0:21	A_E	4413427

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	6.14			0.5	1	05/05/08 18:32	A_E	4418343

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.98			0	1	05/01/08 10:48	ESK	4409266

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/02/08 20:24	LT	4413372
Ethylbenzene	ND			5	1	05/02/08 20:24	LT	4413372
Toluene	5			5	1	05/02/08 20:24	LT	4413372
m,p-Xylene	20			5	1	05/02/08 20:24	LT	4413372
o-Xylene	15			5	1	05/02/08 20:24	LT	4413372
Xylenes,Total	35			5	1	05/02/08 20:24	LT	4413372
Surr: 1,2-Dichloroethane-d4	92.0		%	62-130	1	05/02/08 20:24	LT	4413372
Surr: 4-Bromofluorobenzene	94.0		%	70-130	1	05/02/08 20:24	LT	4413372
Surr: Toluene-d8	96.0		%	74-122	1	05/02/08 20:24	LT	4413372

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C7-Bot-10' **Collected:** 04/28/2008 13:28 **SPL Sample ID:** 08041870-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/03/08 15:10	JC	4414329
Ethylbenzene	ND			5.2	1	05/03/08 15:10	JC	4414329
Toluene	ND			5.2	1	05/03/08 15:10	JC	4414329
m,p-Xylene	ND			5.2	1	05/03/08 15:10	JC	4414329
o-Xylene	ND			5.2	1	05/03/08 15:10	JC	4414329
Xylenes,Total	ND			5.2	1	05/03/08 15:10	JC	4414329
Surr: 1,2-Dichloroethane-d4	89.5		%	64-130	1	05/03/08 15:10	JC	4414329
Surr: 4-Bromofluorobenzene	93.4		%	62-130	1	05/03/08 15:10	JC	4414329
Surr: Toluene-d8	101		%	70-140	1	05/03/08 15:10	JC	4414329

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:26	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C8-SW-N **Collected:** 04/28/2008 15:08 **SPL Sample ID:** 08041870-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/05/08 22:52	NW	4418956
Surr: n-Pentacosane	69.6		%	20-154	1	05/05/08 22:52	NW	4418956

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 18:30	SFE	4411574
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/01/08 18:30	SFE	4411574
Surr: 4-Bromofluorobenzene	98.4		%	50-159	1	05/01/08 18:30	SFE	4411574

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:20	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	155			10.4	2	05/03/08 1:10	A_E	4413430
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.29			0	1	05/01/08 10:48	ESK	4409265
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/03/08 15:38	JC	4414330
Ethylbenzene	ND			5.2	1	05/03/08 15:38	JC	4414330
Toluene	ND			5.2	1	05/03/08 15:38	JC	4414330
m,p-Xylene	ND			5.2	1	05/03/08 15:38	JC	4414330
o-Xylene	ND			5.2	1	05/03/08 15:38	JC	4414330
Xylenes,Total	ND			5.2	1	05/03/08 15:38	JC	4414330
Surr: 1,2-Dichloroethane-d4	88.4		%	64-130	1	05/03/08 15:38	JC	4414330
Surr: 4-Bromofluorobenzene	94.4		%	62-130	1	05/03/08 15:38	JC	4414330
Surr: Toluene-d8	102		%	70-140	1	05/03/08 15:38	JC	4414330

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:28	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C6-SW-N **Collected:** 04/28/2008 10:49 **SPL Sample ID:** 08041870-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	6.5			5.2	1	05/05/08 23:15	NW	4418957
Surr: n-Pentacosane	110		%	20-154	1	05/05/08 23:15	NW	4418957

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 18:59	SFE	4411575
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/01/08 18:59	SFE	4411575
Surr: 4-Bromofluorobenzene	97.1		%	50-159	1	05/01/08 18:59	SFE	4411575

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:21	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	186			10.5	2	05/03/08 1:26	A_E	4413431
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.62			0	1	05/01/08 10:48	ESK	4409264
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/04/08 14:10	JC	4416103
Ethylbenzene	ND			5.3	1	05/04/08 14:10	JC	4416103
Toluene	ND			5.3	1	05/04/08 14:10	JC	4416103
m,p-Xylene	ND			5.3	1	05/04/08 14:10	JC	4416103
o-Xylene	ND			5.3	1	05/04/08 14:10	JC	4416103
Xylenes,Total	ND			5.3	1	05/04/08 14:10	JC	4416103
Surr: 1,2-Dichloroethane-d4	85.7		%	64-130	1	05/04/08 14:10	JC	4416103
Surr: 4-Bromofluorobenzene	91.6		%	62-130	1	05/04/08 14:10	JC	4416103
Surr: Toluene-d8	106		%	70-140	1	05/04/08 14:10	JC	4416103

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:30	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C6-SW-S **Collected:** 04/28/2008 10:54 **SPL Sample ID:** 08041870-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/05/08 23:37	NW	4418958
Surr: n-Pentacosane	85.2		%	20-154	1	05/05/08 23:37	NW	4418958

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 19:28	SFE	4411576
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/01/08 19:28	SFE	4411576
Surr: 4-Bromofluorobenzene	98.3		%	50-159	1	05/01/08 19:28	SFE	4411576

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:22	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	229			21.1	4	05/03/08 1:43	A_E	4413432
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.35			0	1	05/01/08 10:48	ESK	4409263
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/04/08 14:37	JC	4416104
Ethylbenzene	ND			5.3	1	05/04/08 14:37	JC	4416104
Toluene	ND			5.3	1	05/04/08 14:37	JC	4416104
m,p-Xylene	ND			5.3	1	05/04/08 14:37	JC	4416104
o-Xylene	ND			5.3	1	05/04/08 14:37	JC	4416104
Xylenes,Total	ND			5.3	1	05/04/08 14:37	JC	4416104
Surr: 1,2-Dichloroethane-d4	87.5		%	64-130	1	05/04/08 14:37	JC	4416104
Surr: 4-Bromofluorobenzene	91.4		%	62-130	1	05/04/08 14:37	JC	4416104
Surr: Toluene-d8	103		%	70-140	1	05/04/08 14:37	JC	4416104

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:36	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C8-SW-S **Collected:** 04/28/2008 15:15 **SPL Sample ID:** 08041870-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/05/08 23:59	NW	4418959
Surr: n-Pentacosane	80.1		%	20-154	1	05/05/08 23:59	NW	4418959

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 19:56	SFE	4411577
Surr: 1,4-Difluorobenzene	99.6		%	63-142	1	05/01/08 19:56	SFE	4411577
Surr: 4-Bromofluorobenzene	98.2		%	50-159	1	05/01/08 19:56	SFE	4411577

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:23	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	35.5			5.2	1	05/03/08 16:34	A_E	4414206
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.91			0	1	05/01/08 10:48	ESK	4409261
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/04/08 15:04	JC	4416105
Ethylbenzene	ND			5.2	1	05/04/08 15:04	JC	4416105
Toluene	ND			5.2	1	05/04/08 15:04	JC	4416105
m,p-Xylene	ND			5.2	1	05/04/08 15:04	JC	4416105
o-Xylene	ND			5.2	1	05/04/08 15:04	JC	4416105
Xylenes,Total	ND			5.2	1	05/04/08 15:04	JC	4416105
Surr: 1,2-Dichloroethane-d4	89.6		%	64-130	1	05/04/08 15:04	JC	4416105
Surr: 4-Bromofluorobenzene	93.6		%	62-130	1	05/04/08 15:04	JC	4416105
Surr: Toluene-d8	106		%	70-140	1	05/04/08 15:04	JC	4416105

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:38	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C8-Bot-9' **Collected:** 04/28/2008 15:21 **SPL Sample ID:** 08041870-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/06/08 1:06	NW	4418961
Surr: n-Pentacosane	88.9		%	20-154	1	05/06/08 1:06	NW	4418961

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/01/08 20:25	SFE	4411578
Surr: 1,4-Difluorobenzene	99.2		%	63-142	1	05/01/08 20:25	SFE	4411578
Surr: 4-Bromofluorobenzene	98.7		%	50-159	1	05/01/08 20:25	SFE	4411578

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:23	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	89.6			5.24	1	05/03/08 16:51	A_E	4414207
ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	3.38			0.5	1	05/05/08 18:48	A_E	4418344

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.49			0	1	05/01/08 10:48	ESK	4409260
SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/02/08 21:18	LT	4413374
Ethylbenzene	ND			5	1	05/02/08 21:18	LT	4413374
Toluene	ND			5	1	05/02/08 21:18	LT	4413374
m,p-Xylene	ND			5	1	05/02/08 21:18	LT	4413374
o-Xylene	ND			5	1	05/02/08 21:18	LT	4413374
Xylenes,Total	ND			5	1	05/02/08 21:18	LT	4413374
Surr: 1,2-Dichloroethane-d4	92.0		%	62-130	1	05/02/08 21:18	LT	4413374
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/02/08 21:18	LT	4413374
Surr: Toluene-d8	96.0		%	74-122	1	05/02/08 21:18	LT	4413374

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C8-Bot-9' **Collected:** 04/28/2008 15:21 **SPL Sample ID:** 08041870-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/03/08 16:06	JC	4414331
Ethylbenzene	ND			5.2	1	05/03/08 16:06	JC	4414331
Toluene	ND			5.2	1	05/03/08 16:06	JC	4414331
m,p-Xylene	ND			5.2	1	05/03/08 16:06	JC	4414331
o-Xylene	ND			5.2	1	05/03/08 16:06	JC	4414331
Xylenes,Total	ND			5.2	1	05/03/08 16:06	JC	4414331
Surr: 1,2-Dichloroethane-d4	87.8		%	64-130	1	05/03/08 16:06	JC	4414331
Surr: 4-Bromofluorobenzene	93.8		%	62-130	1	05/03/08 16:06	JC	4414331
Surr: Toluene-d8	104		%	70-140	1	05/03/08 16:06	JC	4414331

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:40	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID: C7-SW-S **Collected:** 04/28/2008 13:21 **SPL Sample ID:** 08041870-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/06/08 1:28	NW	4418962
Surr: n-Pentacosane	95.1		%	20-154	1	05/06/08 1:28	NW	4418962

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 20:54	SFE	4411579
Surr: 1,4-Difluorobenzene	99.4		%	63-142	1	05/01/08 20:54	SFE	4411579
Surr: 4-Bromofluorobenzene	97.7		%	50-159	1	05/01/08 20:54	SFE	4411579

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:24	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	236			21.1	4	05/03/08 17:40	A_E	4414210
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.41			0	1	05/01/08 10:48	ESK	4409258
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/03/08 16:33	JC	4414332
Ethylbenzene	ND			5.3	1	05/03/08 16:33	JC	4414332
Toluene	ND			5.3	1	05/03/08 16:33	JC	4414332
m,p-Xylene	ND			5.3	1	05/03/08 16:33	JC	4414332
o-Xylene	ND			5.3	1	05/03/08 16:33	JC	4414332
Xylenes,Total	ND			5.3	1	05/03/08 16:33	JC	4414332
Surr: 1,2-Dichloroethane-d4	89.3		%	64-130	1	05/03/08 16:33	JC	4414332
Surr: 4-Bromofluorobenzene	91.3		%	62-130	1	05/03/08 16:33	JC	4414332
Surr: Toluene-d8	103		%	70-140	1	05/03/08 16:33	JC	4414332

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:42	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: C7-SW-N **Collected:** 04/28/2008 13:15 **SPL Sample ID:** 08041870-13

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/06/08 1:50	NW	4418963
Surr: n-Pentacosane	94.4		%	20-154	1	05/06/08 1:50	NW	4418963

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 21:23	SFE	4411580
Surr: 1,4-Difluorobenzene	101		%	63-142	1	05/01/08 21:23	SFE	4411580
Surr: 4-Bromofluorobenzene	97.1		%	50-159	1	05/01/08 21:23	SFE	4411580

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:25	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	187			21.2	4	05/03/08 17:56	A_E	4414211
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.62			0	1	05/01/08 10:48	ESK	4409257
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/04/08 15:31	JC	4416106
Ethylbenzene	ND			5.3	1	05/04/08 15:31	JC	4416106
Toluene	ND			5.3	1	05/04/08 15:31	JC	4416106
m,p-Xylene	ND			5.3	1	05/04/08 15:31	JC	4416106
o-Xylene	ND			5.3	1	05/04/08 15:31	JC	4416106
Xylenes,Total	ND			5.3	1	05/04/08 15:31	JC	4416106
Surr: 1,2-Dichloroethane-d4	88.5		%	64-130	1	05/04/08 15:31	JC	4416106
Surr: 4-Bromofluorobenzene	92.6		%	62-130	1	05/04/08 15:31	JC	4416106
Surr: Toluene-d8	105		%	70-140	1	05/04/08 15:31	JC	4416106

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:44	JC	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: C3-SW-3 **Collected:** 04/24/2008 10:09 **SPL Sample ID:** 08041870-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/06/08 2:12	NW	4418964
Surr: n-Pentacosane	100		%	20-154	1	05/06/08 2:12	NW	4418964

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/03/2008 16:04	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/01/08 21:52	SFE	4411581
Surr: 1,4-Difluorobenzene	99.7		%	63-142	1	05/01/08 21:52	SFE	4411581
Surr: 4-Bromofluorobenzene	97.3		%	50-159	1	05/01/08 21:52	SFE	4411581

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 15:25	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	223			21.2	4	05/03/08 18:13	A_E	4414212
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.51			0	1	05/01/08 10:48	ESK	4409256
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/04/08 15:58	JC	4416107
Ethylbenzene	ND			5.3	1	05/04/08 15:58	JC	4416107
Toluene	ND			5.3	1	05/04/08 15:58	JC	4416107
m,p-Xylene	ND			5.3	1	05/04/08 15:58	JC	4416107
o-Xylene	ND			5.3	1	05/04/08 15:58	JC	4416107
Xylenes,Total	ND			5.3	1	05/04/08 15:58	JC	4416107
Surr: 1,2-Dichloroethane-d4	91.6		%	64-130	1	05/04/08 15:58	JC	4416107
Surr: 4-Bromofluorobenzene	93.6		%	62-130	1	05/04/08 15:58	JC	4416107
Surr: Toluene-d8	102		%	70-140	1	05/04/08 15:58	JC	4416107

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:46	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: C4-Bot-14' **Collected:** 04/23/2008 15:02 **SPL Sample ID:** 08041870-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.4	1	05/05/08 18:26	NW	4419041
Surr: n-Pentacosane	78.9		%	20-154	1	05/05/08 18:26	NW	4419041

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/04/2008 14:27	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/02/08 0:15	SFE	4411586
Surr: 1,4-Difluorobenzene	99.9		%	63-142	1	05/02/08 0:15	SFE	4411586
Surr: 4-Bromofluorobenzene	96.9		%	50-159	1	05/02/08 0:15	SFE	4411586

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:07	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	82			5.38	1	05/03/08 18:29	A_E	4414213

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	2.62			0.5	1	05/05/08 19:04	A_E	4418345

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	7.03			0	1	05/01/08 10:48	ESK	4409255

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/02/08 19:58	LT	4413371
Ethylbenzene	ND			5	1	05/02/08 19:58	LT	4413371
Toluene	ND			5	1	05/02/08 19:58	LT	4413371
m,p-Xylene	ND			5	1	05/02/08 19:58	LT	4413371
o-Xylene	ND			5	1	05/02/08 19:58	LT	4413371
Xylenes,Total	ND			5	1	05/02/08 19:58	LT	4413371
Surr: 1,2-Dichloroethane-d4	92.0		%	62-130	1	05/02/08 19:58	LT	4413371
Surr: 4-Bromofluorobenzene	88.0		%	70-130	1	05/02/08 19:58	LT	4413371
Surr: Toluene-d8	94.0		%	74-122	1	05/02/08 19:58	LT	4413371

Leach Method	Leachate Date	Leach Initials
SW1312	05/01/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID: C4-Bot-14' **Collected:** 04/23/2008 15:02 **SPL Sample ID:** 08041870-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.4	1	05/04/08 12:48	JC	4416100
Ethylbenzene	ND			5.4	1	05/04/08 12:48	JC	4416100
Toluene	ND			5.4	1	05/04/08 12:48	JC	4416100
m,p-Xylene	ND			5.4	1	05/04/08 12:48	JC	4416100
o-Xylene	ND			5.4	1	05/04/08 12:48	JC	4416100
Xylenes,Total	ND			5.4	1	05/04/08 12:48	JC	4416100
Surr: 1,2-Dichloroethane-d4	88.2		%	64-130	1	05/04/08 12:48	JC	4416100
Surr: 4-Bromofluorobenzene	92.2		%	62-130	1	05/04/08 12:48	JC	4416100
Surr: Toluene-d8	102		%	70-140	1	05/04/08 12:48	JC	4416100

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/01/2008 14:48	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Diesel Range Organics **WorkOrder:** 08041870
Method: SW8015B **Lab Batch ID:** 78466

Method Blank

RunID: HP_Z_080505C-4418865 Units: mg/kg
Analysis Date: 05/05/2008 16:13 Analyst: NW
Preparation Date: 05/03/2008 16:04 Prep By: QMT Method SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	93.5	20-154

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-01A	C5-SW-S
08041870-02A	C4-SW-S
08041870-03A	C5-SW-N
08041870-04A	C4-SW-N
08041870-05A	C6-Bot-12'
08041870-06A	C7-Bot-10'
08041870-07A	C8-SW-N
08041870-08A	C6-SW-N
08041870-09A	C6-SW-S
08041870-10A	C8-SW-S
08041870-11A	C8-Bot-9'
08041870-12A	C7-SW-S
08041870-13A	C7-SW-N
08041870-14A	C3-SW-3

Laboratory Control Sample (LCS)

RunID: HP_Z_080505C-4418866 Units: mg/kg
Analysis Date: 05/05/2008 16:35 Analyst: NW
Preparation Date: 05/03/2008 16:04 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	66.6	100	57	150
Surr: n-Pentacosane	1.66	1.65	99.4	20	154

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041869-01
RunID: HP_Z_080505C-4418943 Units: mg/kg
Analysis Date: 05/05/2008 17:19 Analyst: NW
Preparation Date: 05/03/2008 16:04 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	66.6	54.9	82.4	66.6	50.5	75.8	8.44	50	21	175

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/9/2008 7:40:39 PM

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Diesel Range Organics **WorkOrder:** 08041870
Method: SW8015B **Lab Batch ID:** 78466

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041869-01
RunID: HP_Z_080505C-4418943 Units: mg/kg
Analysis Date: 05/05/2008 17:19 Analyst: NW
Preparation Date: 05/03/2008 16:04 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: n-Pentacosane	ND	1.66	1.36	82.1	1.66	1.26	76.2	7.48	30	20	154

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/9/2008 7:40:39 PM

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Diesel Range Organics **WorkOrder:** 08041870
Method: SW8015B **Lab Batch ID:** 78485

Method Blank

RunID: HP_Z_080505D-4419036 Units: mg/kg
Analysis Date: 05/05/2008 16:13 Analyst: NW
Preparation Date: 05/04/2008 14:27 Prep By: QMT Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-15A	C4-Bot-14'

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	90.1	20-154

Laboratory Control Sample (LCS)

RunID: HP_Z_080505D-4419037 Units: mg/kg
Analysis Date: 05/05/2008 16:35 Analyst: NW
Preparation Date: 05/04/2008 14:27 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	57.2	85.9	57	150
Surr: n-Pentacosane	1.66	1.38	83.3	20	154

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050091-02
RunID: HP_Z_080505D-4419191 Units: mg/kg
Analysis Date: 05/06/2008 9:56 Analyst: NW
Preparation Date: 05/04/2008 14:27 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	7.10	66.6	53.6	69.8	66.6	60.5	80.1	12.1	50	21	175
Surr: n-Pentacosane	ND	1.66	1.05	63.4	1.66	1.05	63.2	0.247	30	20	154

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/9/2008 7:40:39 PM

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Gasoline Range Organics **WorkOrder:** 08041870
Method: SW8015B **Lab Batch ID:** R235948

Method Blank

RunID: HP_S_080501B-4411499 Units: mg/kg
Analysis Date: 05/01/2008 12:14 Analyst: SFE
Preparation Date: 05/01/2008 12:14 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	99.9	63-142
Surr: 4-Bromofluorobenzene	95.0	50-159

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-01B	C5-SW-S
08041870-02B	C4-SW-S
08041870-03B	C5-SW-N
08041870-04B	C4-SW-N
08041870-05B	C6-Bot-12'
08041870-06B	C7-Bot-10'
08041870-07B	C8-SW-N
08041870-08B	C6-SW-N
08041870-09B	C6-SW-S
08041870-10B	C8-SW-S
08041870-11B	C8-Bot-9'
08041870-12B	C7-SW-S
08041870-13B	C7-SW-N
08041870-14B	C3-SW-3
08041870-15B	C4-Bot-14'

Laboratory Control Sample (LCS)

RunID: HP_S_080501B-4411498 Units: mg/kg
Analysis Date: 05/01/2008 11:45 Analyst: SFE
Preparation Date: 05/01/2008 11:45 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.05	105	70	130
Surr: 1,4-Difluorobenzene	0.100	0.107	107	63	142
Surr: 4-Bromofluorobenzene	0.100	0.0995	99.5	50	159

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-14
RunID: HP_S_080501B-4411584 Units: mg/kg-dry
Analysis Date: 05/01/2008 23:18 Analyst: SFE
Preparation Date: 05/01/2008 15:26 Prep By: SFE Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: **Gasoline Range Organics** **WorkOrder:** **08041870**
Method: **SW8015B** **Lab Batch ID:** **R235948**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1.06	1.00	94.8	1.06	0.970	91.6	3.38	50	26	147
Surr: 1,4-Difluorobenzene	ND	0.106	0.109	103	0.106	0.110	104	0.771	30	63	142
Surr: 4-Bromofluorobenzene	ND	0.106	0.106	100	0.106	0.105	98.9	1.11	30	50	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08041870
Method: SW8260B **Lab Batch ID:** 78480

Method Blank

RunID: Q_080503A-4414321 Units: ug/kg
Analysis Date: 05/03/2008 11:30 Analyst: JC

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	84.0	64-130
Surr: 4-Bromofluorobenzene	94.0	62-130
Surr: Toluene-d8	102.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-01B	C5-SW-S
08041870-02B	C4-SW-S
08041870-03B	C5-SW-N
08041870-04B	C4-SW-N
08041870-05B	C6-Bot-12'
08041870-06B	C7-Bot-10'
08041870-07B	C8-SW-N
08041870-11B	C8-Bot-9'
08041870-12B	C7-SW-S

Laboratory Control Sample (LCS)

RunID: Q_080503A-4414320 Units: ug/kg
Analysis Date: 05/03/2008 11:03 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.0	90.0	66	142
Ethylbenzene	20.0	20.0	100	35	175
Toluene	20.0	19.0	95.0	59	139
m,p-Xylene	40.0	39.0	97.5	35	175
o-Xylene	20.0	20.0	100	35	175
Xylenes,Total	60	59	98	35	175
Surr: 1,2-Dichloroethane-d4	50.0	41	82.0	64	130
Surr: 4-Bromofluorobenzene	50.0	47	94.0	62	130
Surr: Toluene-d8	50.0	53	106	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-01
RunID: Q_080503A-4414323 Units: ug/kg-dry
Analysis Date: 05/03/2008 12:25 Analyst: JC
Preparation Date: 05/01/2008 14:14 Prep By: JC Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08041870**
Method: **SW8260B** **Lab Batch ID:** **78480**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	21.2	19.3	90.9	21.5	18.2	84.5	5.71	21	66	142
Ethylbenzene	ND	21.2	19.3	90.9	21.5	19.3	89.5	0	30	35	175
Toluene	ND	21.2	19.3	90.9	21.5	19.3	89.5	0	21	59	139
m,p-Xylene	ND	42.4	40.6	96.0	43	39.6	91.9	2.67	30	35	175
o-Xylene	ND	21.2	20.3	96.0	21.5	20.3	94.4	0	30	35	175
Xylenes,Total	ND	63.5	60.9	96.0	64.6	59.9	92.8	1.77	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	53	46	86.9	53.8	47.1	87.5	2.30	30	64	130
Surr: 4-Bromofluorobenzene	ND	53	50.3	94.9	53.8	52.4	97.4	4.17	30	62	130
Surr: Toluene-d8	ND	53	54.6	103	53.8	56.7	105	3.85	30	70	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08041870
Method: SW8260B **Lab Batch ID:** 78520

Method Blank

RunID: Q_080504A-4416099 Units: ug/kg
Analysis Date: 05/04/2008 12:20 Analyst: JC

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	86.0	64-130
Surr: 4-Bromofluorobenzene	90.0	62-130
Surr: Toluene-d8	102.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-08B	C6-SW-N
08041870-09B	C6-SW-S
08041870-10B	C8-SW-S
08041870-13B	C7-SW-N
08041870-14B	C3-SW-3
08041870-15B	C4-Bot-14'

Laboratory Control Sample (LCS)

RunID: Q_080504A-4416098 Units: ug/kg
Analysis Date: 05/04/2008 11:21 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.0	90.0	66	142
Ethylbenzene	20.0	19.0	95.0	35	175
Toluene	20.0	20.0	100	59	139
m,p-Xylene	40.0	39.0	97.5	35	175
o-Xylene	20.0	20.0	100	35	175
Xylenes,Total	60	59	98	35	175
Surr: 1,2-Dichloroethane-d4	50.0	42	84.0	64	130
Surr: 4-Bromofluorobenzene	50.0	48	96.0	62	130
Surr: Toluene-d8	50.0	53	106	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-15
RunID: Q_080504A-4416101 Units: ug/kg-dry
Analysis Date: 05/04/2008 13:15 Analyst: JC
Preparation Date: 05/01/2008 14:50 Prep By: JC Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08041870
Method: SW8260B **Lab Batch ID:** 78520

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	21.7	19.4	89.1	21.7	19.4	89.1	0	21	66	142
Ethylbenzene	ND	21.7	20.4	94.1	21.7	20.4	94.1	0	30	35	175
Toluene	ND	21.7	20.4	94.1	21.7	20.4	94.1	0	21	59	139
m,p-Xylene	ND	43.5	40.9	94.1	43.5	41.9	96.5	2.60	30	35	175
o-Xylene	ND	21.7	20.4	94.1	21.7	20.4	94.1	0	30	35	175
Xylenes,Total	ND	65.2	61.3	94.0	65.2	62.3	95.7	1.74	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	54.3	47.3	87.1	54.3	47.3	87.1	0	30	64	130
Surr: 4-Bromofluorobenzene	ND	54.3	53.8	99.0	54.3	53.8	99.0	0	30	62	130
Surr: Toluene-d8	ND	54.3	55.9	103	54.3	55.9	103	0	30	70	140

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

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COP Wyatt Federal A Tank Battery Remediation

Analysis: SPLP Volatile Organics **WorkOrder:** 08041870
Method: SW8260B **Lab Batch ID:** R236077

Method Blank

RunID: N_080502D-4413368 Units: ug/L
Analysis Date: 05/02/2008 12:50 Analyst: LT

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	92.0	62-130
Surr: 4-Bromofluorobenzene	90.0	70-130
Surr: Toluene-d8	96.0	74-122

Leachate Blank

RunID: N_080502D-4413367 Units: ug/L
Analysis Date: 05/02/2008 12:24 Analyst: LT

Leach Date: 05/01/2008 0:00 Leach By: GF Method SW1312

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	92.0	62-130
Surr: 4-Bromofluorobenzene	90.0	70-130
Surr: Toluene-d8	94.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-05A	C6-Bot-12'
08041870-06A	C7-Bot-10'
08041870-11A	C8-Bot-9'
08041870-15A	C4-Bot-14'

Laboratory Control Sample (LCS)

RunID: N_080502D-4413366 Units: ug/L
Analysis Date: 05/02/2008 10:52 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.0	95.0	76	126
Ethylbenzene	20.0	16.0	80.0	67	122
Toluene	20.0	18.0	90.0	70	131
m,p-Xylene	40.0	34.0	85.0	72	150
o-Xylene	20.0	18.0	90.0	78	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: SPLP Volatile Organics **WorkOrder:** 08041870
Method: SW8260B **Lab Batch ID:** R236077

Laboratory Control Sample (LCS)

RunID: N_080502D-4413366 Units: ug/L
Analysis Date: 05/02/2008 10:52 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Xylenes,Total	60	52	87	72	150
Surr: 1,2-Dichloroethane-d4	50.0	47	94.0	62	130
Surr: 4-Bromofluorobenzene	50.0	51	102	70	130
Surr: Toluene-d8	50.0	48	96.0	74	122

Matrix Spike (MS)

Sample Spiked: 08041857-01
RunID: N_080502D-4413370 Units: ug/L
Analysis Date: 05/02/2008 15:57 Analyst: LT

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Benzene	ND	20	21.0	105	76	127
Ethylbenzene	ND	20	17.0	85.0	35	175
Toluene	ND	20	19.0	95.0	70	131
m,p-Xylene	ND	40	36.0	90.0	35	175
o-Xylene	ND	20	19.0	95.0	35	175
Xylenes,Total	ND	60	55	92	35	175
Surr: 1,2-Dichloroethane-d4	ND	50	46	92.0	62	130
Surr: 4-Bromofluorobenzene	ND	50	49	98.0	70	130
Surr: Toluene-d8	ND	50	47	94.0	74	122

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: PERCENT MOISTURE **WorkOrder:** 08041870
Method: D2216 **Lab Batch ID:** R235818A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-06A	C7-Bot-10'
08041870-07A	C8-SW-N
08041870-08A	C6-SW-N
08041870-09A	C6-SW-S
08041870-10A	C8-SW-S
08041870-11A	C8-Bot-9'
08041870-12A	C7-SW-S
08041870-13A	C7-SW-N
08041870-14A	C3-SW-3
08041870-15A	C4-Bot-14'

Sample Duplicate

Original Sample: 08041870-09
RunID: WET_080501A-4409263 Units: wt%
Analysis Date: 05/01/2008 10:48 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	5.35	5.364	0.255	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: PERCENT MOISTURE **WorkOrder:** 08041870
Method: D2216 **Lab Batch ID:** R235818B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-01A	C5-SW-S
08041870-02A	C4-SW-S
08041870-03A	C5-SW-N
08041870-04A	C4-SW-N
08041870-05A	C6-Bot-12'

Sample Duplicate

Original Sample: 08041900-06
RunID: WET_080501A-4409276 Units: wt%
Analysis Date: 05/01/2008 10:48 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	19.9	20.06	0.996	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Ion Chromatography **WorkOrder:** 08041870
Method: E300.0 MOD **Lab Batch ID:** R236079D

Method Blank

RunID: IC1_080502B-4413418 Units: mg/kg
Analysis Date: 05/02/2008 21:53 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-01A	C5-SW-S
08041870-02A	C4-SW-S
08041870-03A	C5-SW-N
08041870-04A	C4-SW-N
08041870-05A	C6-Bot-12'
08041870-06A	C7-Bot-10'
08041870-07A	C8-SW-N
08041870-08A	C6-SW-N
08041870-09A	C6-SW-S

Laboratory Control Sample (LCS)

RunID: IC1_080502B-4413419 Units: mg/kg
Analysis Date: 05/02/2008 22:09 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	92.69	92.69	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-01
RunID: IC1_080502B-4413421 Units: mg/kg-dry
Analysis Date: 05/02/2008 22:42 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	199.2	427.9	590.6	91.48	427.9	587.3	90.71	0.5648	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Ion Chromatography **WorkOrder:** 08041870
Method: E300.0 MOD **Lab Batch ID:** R236132

Method Blank

RunID: IC1_080503A-4414202 Units: mg/kg
Analysis Date: 05/03/2008 15:28 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-10A	C8-SW-S
08041870-11A	C8-Bot-9'
08041870-12A	C7-SW-S
08041870-13A	C7-SW-N
08041870-14A	C3-SW-3
08041870-15A	C4-Bot-14'

Laboratory Control Sample (LCS)

RunID: IC1_080503A-4414203 Units: mg/kg
Analysis Date: 05/03/2008 15:45 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	91.05	91.05	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-11
RunID: IC1_080503A-4414208 Units: mg/kg-dry
Analysis Date: 05/03/2008 17:07 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	89.63	104.7	185.0	91.11	104.7	185.5	91.55	0.2487	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/9/2008 7:40:41 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt Federal A Tank Battery Remediation

Analysis: Ion Chromatography - SPLP **WorkOrder:** 08041870
Method: SW9056 **Lab Batch ID:** R236361

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08041870-05A	C6-Bot-12'
08041870-06A	C7-Bot-10'
08041870-11A	C8-Bot-9'
08041870-15A	C4-Bot-14'

Method Blank

RunID: IC1_080505A-4418335 Units: mg/L
Analysis Date: 05/05/2008 16:20 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	0.50

Leachate Blank

RunID: IC1_080505A-4418336 Units: mg/L
Analysis Date: 05/05/2008 16:36 Analyst: A_E

Leach Date: 05/01/2008 0:00 Leach By: GF Method SW1312

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_080505A-4418337 Units: mg/L
Analysis Date: 05/05/2008 16:53 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.096	90.96	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041870-05
RunID: IC1_080505A-4418341 Units: mg/L
Analysis Date: 05/05/2008 17:59 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	3.229	10	12.76	95.28	10	12.76	95.36	0.06269	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/9/2008 7:40:41 PM

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08041870**	Received By:	**RE**
Date and Time Received:	**4/30/2008 10:00:00 AM**	Carrier name:	**Fedex-Standard Overnight**
Temperature:	**4.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes	☑	No	☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes	☐	No	☐	Not Present ☑
3.	**Custody seals intact on sample bottles?**	Yes	☐	No	☐	Not Present ☑
4.	**Chain of custody present?**	Yes	☑	No	☐	
5.	**Chain of custody signed when relinquished and received?**	Yes	☑	No	☐	
6.	**Chain of custody agrees with sample labels?**	Yes	☑	No	☐	
7.	**Samples in proper container/bottle?**	Yes	☑	No	☐	
8.	**Sample containers intact?**	Yes	☑	No	☐	
9.	**Sufficient sample volume for indicated test?**	Yes	☑	No	☐	
10.	**All samples received within holding time?**	Yes	☑	No	☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes	☑	No	☐	
12.	**Water - VOA vials have zero headspace?**	Yes	☐	No	☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes	☐	No	☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

SPL Representative: | **Contact Date & Time:**

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08041870 — 279373 — page 1 of 2

Client Name: Tetra Tech
Address: 1703 W Industrial Avenue.
Phone/Fax: 432 686 8081 / 432 696 8085
Client Contact: Charles Durrett Email: charles.durrett@tetratech.com
Project Name/No.: 115864010
Site Name: Wyatt "A"
Site Location: Loco Hills, NM
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Chloride	Extended Chlorides	TPH_{DRO}	TPH_{GRO}	BTEX	$STLP_{BTEX}$	$STLP_{Cl}$
C5-SW-S	4/24/08	10:48		X	S	G	4	None	2	X		X	X	X		
C4-SW-S	4/23/08	15:41		X						X		X	X	X		
C5-SW-N	4/24/08	10:01		X											X	X
C4-SW-N	4/23/08	15:41		X											X	X
C6-Bot-12'	4/28/08	11:05		X												
C7-Bot-10'	4/28/08	13:28		X												
C8-SW-N	4/28/08	15:08		X												
C6-SW-N	4/28/08	10:49		X												
C6-SW-S	4/28/08	10:54		X												
C8-SW-S	4/28/08	15:15		X												

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp: 4.0c

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): BF

	date	time
1. Relinquished by Sampler:		
2. Received by:		
3. Relinquished by:		
4. Received by:		
5. Relinquished by:	4/30/08	1000
6. Received by Laboratory:		

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 06041870 | 278378 | page 2 of 2

Client Name:
Address:
Phone/Fax:
Client Contact: Email:
Project Name/No.:
Site Name:
Site Location:
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Chloride		TPH DRO	TPH GRO	BTEX	SPLP BTEX	SPLP Cl		
C8-Bot-9'	4/28/08	15:21		X	S	G	4	None	2	X		X	X	X	X	X		
C7-SW-S	4/28/08	13:21		X	"	"	"	"	"	"		"	"	"				
C7-SW-N	4/28/08	13:15		X	"	"	"	"	"	"		"	"	"				
C3-SW-S	4/24/08	10:09		X	"	"	"	"	"	"		"	"	"				
C4-Bot-14'	4/23/08	15:02		X	"	"	"	"	"	"		"	"	"	X	X		

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ ________

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): [signature]

1. Relinquished by Sampler: [signature]	date	time	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 4/30/08	time 1000	6. Received by Laboratory: [signature]

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive, Traverse City, MI 49686 (231) 947-5777

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

08050489

Report To:		**Project Name:**	**COP Wyatt A**
Tetra Tech		**Site:**	**Maljamar, NM**
Charlie Durrett		**Site Address:**	
1703 W Industrial Avenue			
Midland		**PO Number:**	**WA5.CNM.0100**
TX		**State:**	**New Mexico**
79701-		**State Cert. No.:**	
ph: (432) 686-8081	**fax:**	**Date Reported:**	**5/14/08**

This Report Contains A Total Of 85 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

5/14/08

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
08050489

Report To:		Project Name:	COP Wyatt A
Tetra Tech		Site:	Maljamar, NM
Charlie Durrett		Site Address:	
1703 W Industrial Avenue			
Midland		PO Number:	WA5.CNM.0100
TX		State:	New Mexico
79701-		State Cert. No.:	
ph: (432) 686-8081	fax:	Date Reported:	5/14/08

At the time of sample receipt, it was noted that no analyses were selected for chain of custody 278379. Per our conversation on May 13, 2008, SPL revised the chain of custody per your instructions. Also per your instructions, the site location "Maljamar, NM" was used.

Two sets of trip blanks were received with the samples but were not listed on the chain of custody. Per our conversation on May 13, 2008 SPL, Inc. did not analyze the trip blanks.

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

Results for soils are reported on a dry-weight basis.

The samples submitted for Volatilke Organics by SW846 Method 8260B and Gasoline Range Organics by SW846 Method 8015B analyses were received in a vessel that is not stipulated in Method 5035A; the samples were not preserved and/or analyzed within 48 hours of sample collection.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "C17-Bot-6" (SPL ID:08050489-28) was randomly selected for use in SPL's quality control program for the Ion Chromatography SPLP analysis by SW846 Method SW8056. The Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Chloride (Batch ID:R237442) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Bethany Agarwal

5/14/08

Bethany A. Agarwal
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

08050489

Report To: Tetra Tech
Charlie Durrett
1703 W Industrial Avenue

Midland
TX
79701-
ph: (432) 686-8081 fax: (432) 686-8085

Fax To:

Project Name: COP Wyatt A
Site: Maljamar, NM
Site Address:

PO Number: WA5.CNM.0100
State: New Mexico
State Cert. No.:
Date Reported: 5/14/08

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
C14-SW-S	08050489-01	Soil	5/1/08 10:43:00 AM	5/7/08 10:00:00 AM	278377	☐
C2-SW-N	08050489-02	Soil	4/30/08 7:17:00 AM	5/7/08 10:00:00 AM	278377	☐
C3-SW-N	08050489-03	Soil	4/30/08 7:26:00 AM	5/7/08 10:00:00 AM	278377	☐
C13-SW-S	08050489-04	Soil	4/30/08 11:00:00 AM	5/7/08 10:00:00 AM	278377	☐
C5-Bot-14'	08050489-05	Soil	4/30/08 9:12:00 AM	5/7/08 10:00:00 AM	278377	☐
C11-SW-N	08050489-06	Soil	4/29/08 3:11:00 PM	5/7/08 10:00:00 AM	278377	☐
C12-SW-N	08050489-07	Soil	4/29/08 3:59:00 PM	5/7/08 10:00:00 AM	278377	☐
C12-SW-S	08050489-08	Soil	4/29/08 4:04:00 PM	5/7/08 10:00:00 AM	278377	☐
C12-Bot-9'	08050489-09	Soil	4/29/08 4:13:00 PM	5/7/08 10:00:00 AM	278377	☐
C10-SW-N	08050489-10	Soil	4/29/08 2:11:00 PM	5/7/08 10:00:00 AM	278377	☐
C19-SW-N	08050489-11	Soil	5/2/08 1:22:00 PM	5/7/08 10:00:00 AM	278376	☐
C18-Bot-6'	08050489-12	Soil	5/2/08 12:51:00 PM	5/7/08 10:00:00 AM	278376	☐
C17-SW-S	08050489-13	Soil	5/2/08 10:37:00 AM	5/7/08 10:00:00 AM	278376	☐
C14-Bot-8'	08050489-14	Soil	5/1/08 10:43:00 AM	5/7/08 10:00:00 AM	278376	☐
C15-SW-N	08050489-15	Soil	5/1/08 11:07:00 AM	5/7/08 10:00:00 AM	278376	☐
C13-SW-N	08050489-16	Soil	4/30/08 11:33:00 AM	5/7/08 10:00:00 AM	278376	☐
C14-SW-N	08050489-17	Soil	5/1/08 9:50:00 AM	5/7/08 10:00:00 AM	278376	☐
C15-SW-S	08050489-18	Soil	5/1/08 11:11:00 AM	5/7/08 10:00:00 AM	278376	☐
C13-Bot-12'	08050489-19	Soil	5/1/08 10:01:00 AM	5/7/08 10:00:00 AM	278376	☐
C15-Bot-8'	08050489-20	Soil	5/1/08 11:17:00 AM	5/7/08 10:00:00 AM	278376	☐
C19-SW-W	08050489-21	Soil	5/2/08 1:56:00 PM	5/7/08 10:00:00 AM	278375	☐
C17-SW-N	08050489-22	Soil	5/2/08 10:31:00 AM	5/7/08 10:00:00 AM	278375	☐
C16-Bot-8'	08050489-23	Soil	5/2/08 9:51:00 AM	5/7/08 10:00:00 AM	278375	☐
C16-SW-S	08050489-24	Soil	5/2/08 9:24:00 AM	5/7/08 10:00:00 AM	278375	☐

Bethany Agarwal

5/14/08

Bethany A. Agarwal
Senior Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

08050489

Report To: Tetra Tech
Charlie Durrett
1703 W Industrial Avenue

Midland
TX
79701-
ph: (432) 686-8081 fax: (432) 686-8085

Fax To:

Project Name: COP Wyatt A
Site: Maljamar, NM
Site Address:

PO Number: WA5.CNM.0100
State: New Mexico
State Cert. No.:
Date Reported: 5/14/08

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
C16-SW-N	08050489-25	Soil	5/2/08 9:15:00 AM	5/7/08 10:00:00 AM	278375	☐
C18-SW-S	08050489-26	Soil	5/2/08 12:42:00 PM	5/7/08 10:00:00 AM	278375	☐
C18-SW-N	08050489-27	Soil	5/2/08 12:35:00 PM	5/7/08 10:00:00 AM	278375	☐
C17-Bot-6'	08050489-28	Soil	5/2/08 10:42:00 AM	5/7/08 10:00:00 AM	278375	☐
C19-Bot-5'	08050489-29	Soil	5/2/08 1:41:00 PM	5/7/08 10:00:00 AM	278375	☐
C19-SW-5	08050489-30	Soil	5/2/08 1:33:00 PM	5/7/08 10:00:00 AM	278375	☐
C11-Bot-9'	08050489-31	Soil	4/29/08 3:28:00 PM	5/7/08 10:00:00 AM	278376	☐
C11-Bot-9'	08050489-31	Soil	4/29/08 3:28:00 PM	5/7/08 10:00:00 AM	278379	☐
C10-Bot-8'	08050489-32	Soil	4/29/08 2:20:00 PM	5/7/08 10:00:00 AM	278376	☐
C10-Bot-8'	08050489-32	Soil	4/29/08 2:20:00 PM	5/7/08 10:00:00 AM	278379	☐
C11-SW-S	08050489-33	Soil	4/29/08 3:23:00 PM	5/7/08 10:00:00 AM	278379	☐
C9-SW-S	08050489-34	Soil	4/29/08 1:00:00 PM	5/7/08 10:00:00 AM	278379	☐
C9-SW-N	08050489-35	Soil	4/29/08 1:09:00 PM	5/7/08 10:00:00 AM	278379	☐
C9-Bot-8'	08050489-36	Soil	4/29/08 1:13:00 PM	5/7/08 10:00:00 AM	278376	☐
C9-Bot-8'	08050489-36	Soil	4/29/08 1:13:00 PM	5/7/08 10:00:00 AM	278379	☐
C10-SW-S	08050489-37	Soil	4/29/08 2:01:00 PM	5/7/08 10:00:00 AM	278379	☐
Trip Blank #1	08050489-38	Water	5/1/08	5/7/08 10:00:00 AM		☑
Trip Blank #2	08050489-39	Water	5/1/08	5/7/08 10:00:00 AM		☑

Bethany Agarwal

5/14/08

Bethany A. Agarwal
Senior Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C14-SW-S **Collected:** 05/01/2008 10:43 **SPL Sample ID:** 08050489-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			6.2	1	05/11/08 1:27	NW	4433527
Surr: n-Pentacosane	112		%	20-154	1	05/11/08 1:27	NW	4433527

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.12	1	05/09/08 6:04	SFE	4428517
Surr: 1,4-Difluorobenzene	97.7		%	63-142	1	05/09/08 6:04	SFE	4428517
Surr: 4-Bromofluorobenzene	103		%	50-159	1	05/09/08 6:04	SFE	4428517

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:46	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	ND			6.22	1	05/09/08 22:17	A_E	4428748
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	19.6			0	1	05/08/08 13:22	ESK	4424915
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			6.2	1	05/09/08 9:50	JC	4429005
Ethylbenzene	ND			6.2	1	05/09/08 9:50	JC	4429005
Toluene	ND			6.2	1	05/09/08 9:50	JC	4429005
m,p-Xylene	ND			6.2	1	05/09/08 9:50	JC	4429005
o-Xylene	ND			6.2	1	05/09/08 9:50	JC	4429005
Xylenes,Total	ND			6.2	1	05/09/08 9:50	JC	4429005
Surr: 1,2-Dichloroethane-d4	86.3		%	64-130	1	05/09/08 9:50	JC	4429005
Surr: 4-Bromofluorobenzene	94.4		%	62-130	1	05/09/08 9:50	JC	4429005
Surr: Toluene-d8	102		%	70-140	1	05/09/08 9:50	JC	4429005

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:10	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C2-SW-N **Collected:** 04/30/2008 7:17 **SPL Sample ID:** 08050489-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.6	1	05/11/08 1:49	NW	4433528
Surr: n-Pentacosane	72.7		%	20-154	1	05/11/08 1:49	NW	4433528

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/09/08 7:29	SFE	4428520
Surr: 1,4-Difluorobenzene	97.1		%	63-142	1	05/09/08 7:29	SFE	4428520
Surr: 4-Bromofluorobenzene	102		%	50-159	1	05/09/08 7:29	SFE	4428520

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:50	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	92.6			11.2	2	05/09/08 22:33	A_E	4428749
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	10.4			0	1	05/08/08 13:22	ESK	4424914
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.6	1	05/09/08 13:57	JC	4429008
Ethylbenzene	ND			5.6	1	05/09/08 13:57	JC	4429008
Toluene	ND			5.6	1	05/09/08 13:57	JC	4429008
m,p-Xylene	ND			5.6	1	05/09/08 13:57	JC	4429008
o-Xylene	ND			5.6	1	05/09/08 13:57	JC	4429008
Xylenes,Total	ND			5.6	1	05/09/08 13:57	JC	4429008
Surr: 1,2-Dichloroethane-d4	89.1		%	64-130	1	05/09/08 13:57	JC	4429008
Surr: 4-Bromofluorobenzene	91.1		%	62-130	1	05/09/08 13:57	JC	4429008
Surr: Toluene-d8	105		%	70-140	1	05/09/08 13:57	JC	4429008

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:16	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C3-SW-N **Collected:** 04/30/2008 7:26 **SPL Sample ID:** 08050489-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/11/08 2:12	NW	4433529
Surr: n-Pentacosane	92.4		%	20-154	1	05/11/08 2:12	NW	4433529

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 7:57	SFE	4428521
Surr: 1,4-Difluorobenzene	95.7		%	63-142	1	05/09/08 7:57	SFE	4428521
Surr: 4-Bromofluorobenzene	102		%	50-159	1	05/09/08 7:57	SFE	4428521

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:51	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	145			10.5	2	05/09/08 23:56	A_E	4428754
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.38			0	1	05/08/08 13:22	ESK	4424913
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/09/08 14:24	JC	4429009
Ethylbenzene	ND			5.3	1	05/09/08 14:24	JC	4429009
Toluene	ND			5.3	1	05/09/08 14:24	JC	4429009
m,p-Xylene	ND			5.3	1	05/09/08 14:24	JC	4429009
o-Xylene	ND			5.3	1	05/09/08 14:24	JC	4429009
Xylenes,Total	ND			5.3	1	05/09/08 14:24	JC	4429009
Surr: 1,2-Dichloroethane-d4	87.5		%	64-130	1	05/09/08 14:24	JC	4429009
Surr: 4-Bromofluorobenzene	89.5		%	62-130	1	05/09/08 14:24	JC	4429009
Surr: Toluene-d8	101		%	70-140	1	05/09/08 14:24	JC	4429009

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:18	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C13-SW-S **Collected:** 04/30/2008 11:00 **SPL Sample ID:** 08050489-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	9.2			5.1	1	05/11/08 2:34	NW	4433530
Surr: n-Pentacosane	109		%	20-154	1	05/11/08 2:34	NW	4433530

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 8:25	SFE	4428522
Surr: 1,4-Difluorobenzene	94.4		%	63-142	1	05/09/08 8:25	SFE	4428522
Surr: 4-Bromofluorobenzene	103		%	50-159	1	05/09/08 8:25	SFE	4428522

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:52	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	115			10.3	2	05/10/08 0:12	A_E	4428755
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	2.67			0	1	05/08/08 13:22	ESK	4424912
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.1	1	05/09/08 14:52	JC	4429010
Ethylbenzene	ND			5.1	1	05/09/08 14:52	JC	4429010
Toluene	ND			5.1	1	05/09/08 14:52	JC	4429010
m,p-Xylene	ND			5.1	1	05/09/08 14:52	JC	4429010
o-Xylene	ND			5.1	1	05/09/08 14:52	JC	4429010
Xylenes,Total	ND			5.1	1	05/09/08 14:52	JC	4429010
Surr: 1,2-Dichloroethane-d4	94.2		%	64-130	1	05/09/08 14:52	JC	4429010
Surr: 4-Bromofluorobenzene	90.2		%	62-130	1	05/09/08 14:52	JC	4429010
Surr: Toluene-d8	102		%	70-140	1	05/09/08 14:52	JC	4429010

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:20	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C5-Bot-14' **Collected:** 04/30/2008 9:12 **SPL Sample ID:** 08050489-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	5.9			5.2	1	05/11/08 2:57	NW	4433531
Surr: n-Pentacosane	78.0		%	20-154	1	05/11/08 2:57	NW	4433531

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 8:54	SFE	4428523
Surr: 1,4-Difluorobenzene	97.4		%	63-142	1	05/09/08 8:54	SFE	4428523
Surr: 4-Bromofluorobenzene	105		%	50-159	1	05/09/08 8:54	SFE	4428523

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:52	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	121			10.3	2	05/10/08 0:28	A_E	4428756
ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	7.18			0.5	1	05/13/08 1:31	A_E	4433890

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.17			0	1	05/08/08 13:22	ESK	4424911
SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 16:29	LT	4429937
Ethylbenzene	ND			5	1	05/10/08 16:29	LT	4429937
Toluene	ND			5	1	05/10/08 16:29	LT	4429937
m,p-Xylene	ND			5	1	05/10/08 16:29	LT	4429937
o-Xylene	ND			5	1	05/10/08 16:29	LT	4429937
Xylenes,Total	ND			5	1	05/10/08 16:29	LT	4429937
Surr: 1,2-Dichloroethane-d4	102		%	62-130	1	05/10/08 16:29	LT	4429937
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/10/08 16:29	LT	4429937
Surr: Toluene-d8	94.0		%	74-122	1	05/10/08 16:29	LT	4429937

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C5-Bot-14' **Collected:** 04/30/2008 9:12 **SPL Sample ID:** 08050489-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND		5.2	1	05/09/08 15:20	JC	4429011
Ethylbenzene	ND		5.2	1	05/09/08 15:20	JC	4429011
Toluene	ND		5.2	1	05/09/08 15:20	JC	4429011
m,p-Xylene	ND		5.2	1	05/09/08 15:20	JC	4429011
o-Xylene	ND		5.2	1	05/09/08 15:20	JC	4429011
Xylenes,Total	ND		5.2	1	05/09/08 15:20	JC	4429011
Surr: 1,2-Dichloroethane-d4	94.2		% 64-130	1	05/09/08 15:20	JC	4429011
Surr: 4-Bromofluorobenzene	94.2		% 62-130	1	05/09/08 15:20	JC	4429011
Surr: Toluene-d8	106		% 70-140	1	05/09/08 15:20	JC	4429011

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:22	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C11-SW-N **Collected:** 04/29/2008 15:11 **SPL Sample ID:** 08050489-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/11/08 3:19	NW	4433532
Surr: n-Pentacosane	72.9		%	20-154	1	05/11/08 3:19	NW	4433532

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 9:22	SFE	4428524
Surr: 1,4-Difluorobenzene	97.1		%	63-142	1	05/09/08 9:22	SFE	4428524
Surr: 4-Bromofluorobenzene	104		%	50-159	1	05/09/08 9:22	SFE	4428524

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:53	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	144			10.4	2	05/10/08 0:45	A_E	4428757
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.93			0	1	05/08/08 13:22	ESK	4424910
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/09/08 15:48	JC	4429012
Ethylbenzene	ND			5.2	1	05/09/08 15:48	JC	4429012
Toluene	ND			5.2	1	05/09/08 15:48	JC	4429012
m,p-Xylene	ND			5.2	1	05/09/08 15:48	JC	4429012
o-Xylene	ND			5.2	1	05/09/08 15:48	JC	4429012
Xylenes,Total	ND			5.2	1	05/09/08 15:48	JC	4429012
Surr: 1,2-Dichloroethane-d4	84.2		%	64-130	1	05/09/08 15:48	JC	4429012
Surr: 4-Bromofluorobenzene	94.2		%	62-130	1	05/09/08 15:48	JC	4429012
Surr: Toluene-d8	102		%	70-140	1	05/09/08 15:48	JC	4429012

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:24	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C12-SW-N **Collected:** 04/29/2008 15:59 **SPL Sample ID:** 08050489-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/11/08 3:42	NW	4433533
Surr: n-Pentacosane	45.8		%	20-154	1	05/11/08 3:42	NW	4433533

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/09/2008 11:23	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 10:47	SFE	4428527
Surr: 1,4-Difluorobenzene	98.0		%	63-142	1	05/09/08 10:47	SFE	4428527
Surr: 4-Bromofluorobenzene	102		%	50-159	1	05/09/08 10:47	SFE	4428527

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:54	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	125			10.4	2	05/10/08 1:01	A_E	4428758
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.08			0	1	05/08/08 13:22	ESK	4424909
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 1:12	JC	4429746
Ethylbenzene	ND			5.2	1	05/10/08 1:12	JC	4429746
Toluene	ND			5.2	1	05/10/08 1:12	JC	4429746
m,p-Xylene	ND			5.2	1	05/10/08 1:12	JC	4429746
o-Xylene	ND			5.2	1	05/10/08 1:12	JC	4429746
Xylenes,Total	ND			5.2	1	05/10/08 1:12	JC	4429746
Surr: 1,2-Dichloroethane-d4	86.0		%	64-130	1	05/10/08 1:12	JC	4429746
Surr: 4-Bromofluorobenzene	94.0		%	62-130	1	05/10/08 1:12	JC	4429746
Surr: Toluene-d8	100		%	70-140	1	05/10/08 1:12	JC	4429746

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:26	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C12-SW-S **Collected:** 04/29/2008 16:04 **SPL Sample ID:** 08050489-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 14:55	NW	4434362
Surr: n-Pentacosane	94.2		%	20-154	1	05/12/08 14:55	NW	4434362

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 11:15	SFE	4428528
Surr: 1,4-Difluorobenzene	97.1		%	63-142	1	05/09/08 11:15	SFE	4428528
Surr: 4-Bromofluorobenzene	103		%	50-159	1	05/09/08 11:15	SFE	4428528

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:55	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	205			20.9	4	05/10/08 1:18	A_E	4428759
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.29			0	1	05/08/08 13:22	ESK	4424908
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 1:40	JC	4429747
Ethylbenzene	ND			5.2	1	05/10/08 1:40	JC	4429747
Toluene	ND			5.2	1	05/10/08 1:40	JC	4429747
m,p-Xylene	ND			5.2	1	05/10/08 1:40	JC	4429747
o-Xylene	ND			5.2	1	05/10/08 1:40	JC	4429747
Xylenes,Total	ND			5.2	1	05/10/08 1:40	JC	4429747
Surr: 1,2-Dichloroethane-d4	86.2		%	64-130	1	05/10/08 1:40	JC	4429747
Surr: 4-Bromofluorobenzene	96.2		%	62-130	1	05/10/08 1:40	JC	4429747
Surr: Toluene-d8	96.2		%	70-140	1	05/10/08 1:40	JC	4429747

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:28	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C12-Bot-9' **Collected:** 04/29/2008 16:13 **SPL Sample ID:** 08050489-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Diesel Range Organics (C10-C28)	16		5.2	1	05/12/08 16:01	NW	4434365
Surr: n-Pentacosane	90.2		% 20-154	1	05/12/08 16:01	NW	4434365

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Gasoline Range Organics	ND		0.1	1	05/09/08 11:44	SFE	4428529
Surr: 1,4-Difluorobenzene	97.5		% 63-142	1	05/09/08 11:44	SFE	4428529
Surr: 4-Bromofluorobenzene	102		% 50-159	1	05/09/08 11:44	SFE	4428529

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:56	SFE	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY			**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**		
Chloride	128		10.3	2	05/10/08 1:34	A_E	4428760

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY - SPLP			**MCL**	**SW9056**	**Units: mg/L**		
Chloride	6.51		0.5	1	05/13/08 2:20	A_E	4433893

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**	**Units: wt%**		
Percent Moisture	3.28		0	1	05/08/08 13:22	ESK	4424907

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SPLP VOLATILE ORGANICS			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/10/08 16:55	LT	4429938
Ethylbenzene	ND		5	1	05/10/08 16:55	LT	4429938
Toluene	ND		5	1	05/10/08 16:55	LT	4429938
m,p-Xylene	ND		5	1	05/10/08 16:55	LT	4429938
o-Xylene	ND		5	1	05/10/08 16:55	LT	4429938
Xylenes,Total	ND		5	1	05/10/08 16:55	LT	4429938
Surr: 1,2-Dichloroethane-d4	100		% 62-130	1	05/10/08 16:55	LT	4429938
Surr: 4-Bromofluorobenzene	90.0		% 70-130	1	05/10/08 16:55	LT	4429938
Surr: Toluene-d8	94.0		% 74-122	1	05/10/08 16:55	LT	4429938

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C12-Bot-9' **Collected:** 04/29/2008 16:13 **SPL Sample ID:** 08050489-09

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND		5.1	1	05/10/08 2:09	JC	4429748
Ethylbenzene	ND		5.1	1	05/10/08 2:09	JC	4429748
Toluene	ND		5.1	1	05/10/08 2:09	JC	4429748
m,p-Xylene	ND		5.1	1	05/10/08 2:09	JC	4429748
o-Xylene	ND		5.1	1	05/10/08 2:09	JC	4429748
Xylenes,Total	ND		5.1	1	05/10/08 2:09	JC	4429748
Surr: 1,2-Dichloroethane-d4	84.8		% 64-130	1	05/10/08 2:09	JC	4429748
Surr: 4-Bromofluorobenzene	97.0		% 62-130	1	05/10/08 2:09	JC	4429748
Surr: Toluene-d8	105		% 70-140	1	05/10/08 2:09	JC	4429748

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:30	JC	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C10-SW-N **Collected:** 04/29/2008 14:11 **SPL Sample ID:** 08050489-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.6	1	05/12/08 16:24	NW	4434366
Surr: n-Pentacosane	99.3		%	20-154	1	05/12/08 16:24	NW	4434366

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/09/08 12:12	SFE	4428530
Surr: 1,4-Difluorobenzene	97.2		%	63-142	1	05/09/08 12:12	SFE	4428530
Surr: 4-Bromofluorobenzene	106		%	50-159	1	05/09/08 12:12	SFE	4428530

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:57	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	16			5.64	1	05/10/08 1:51	A_E	4428761
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	11.3			0	1	05/08/08 13:22	ESK	4424906
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.7	1	05/10/08 2:38	JC	4429749
Ethylbenzene	ND			5.7	1	05/10/08 2:38	JC	4429749
Toluene	ND			5.7	1	05/10/08 2:38	JC	4429749
m,p-Xylene	ND			5.7	1	05/10/08 2:38	JC	4429749
o-Xylene	ND			5.7	1	05/10/08 2:38	JC	4429749
Xylenes,Total	ND			5.7	1	05/10/08 2:38	JC	4429749
Surr: 1,2-Dichloroethane-d4	89.3		%	64-130	1	05/10/08 2:38	JC	4429749
Surr: 4-Bromofluorobenzene	97.2		%	62-130	1	05/10/08 2:38	JC	4429749
Surr: Toluene-d8	103		%	70-140	1	05/10/08 2:38	JC	4429749

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:32	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C19-SW-N **Collected:** 05/02/2008 13:22 **SPL Sample ID:** 08050489-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.6	1	05/12/08 16:46	NW	4434367
Surr: n-Pentacosane	111		%	20-154	1	05/12/08 16:46	NW	4434367

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/09/08 12:41	SFE	4428531
Surr: 1,4-Difluorobenzene	97.4		%	63-142	1	05/09/08 12:41	SFE	4428531
Surr: 4-Bromofluorobenzene	106		%	50-159	1	05/09/08 12:41	SFE	4428531

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:58	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	31			5.6	1	05/10/08 3:13	A_E	4428766
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	10.7			0	1	05/08/08 13:22	ESK	4424904
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.6	1	05/10/08 3:06	JC	4429750
Ethylbenzene	ND			5.6	1	05/10/08 3:06	JC	4429750
Toluene	ND			5.6	1	05/10/08 3:06	JC	4429750
m,p-Xylene	ND			5.6	1	05/10/08 3:06	JC	4429750
o-Xylene	ND			5.6	1	05/10/08 3:06	JC	4429750
Xylenes,Total	ND			5.6	1	05/10/08 3:06	JC	4429750
Surr: 1,2-Dichloroethane-d4	83.8		%	64-130	1	05/10/08 3:06	JC	4429750
Surr: 4-Bromofluorobenzene	95.8		%	62-130	1	05/10/08 3:06	JC	4429750
Surr: Toluene-d8	104		%	70-140	1	05/10/08 3:06	JC	4429750

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:34	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C18-Bot-6' **Collected:** 05/02/2008 12:51 **SPL Sample ID:** 08050489-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/12/08 17:58	NW	4434369
Surr: n-Pentacosane	90.7		%	20-154	1	05/12/08 17:58	NW	4434369

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 13:19	SFE	4428532
Surr: 1,4-Difluorobenzene	99.4		%	63-142	1	05/09/08 13:19	SFE	4428532
Surr: 4-Bromofluorobenzene	100		%	50-159	1	05/09/08 13:19	SFE	4428532

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:58	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	ND			5.11	1	05/10/08 3:29	A_E	4428767

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	ND			0.5	1	05/13/08 2:36	A_E	4433894

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	2.09			0	1	05/08/08 13:22	ESK	4424903

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 17:21	LT	4429939
Ethylbenzene	ND			5	1	05/10/08 17:21	LT	4429939
Toluene	ND			5	1	05/10/08 17:21	LT	4429939
m,p-Xylene	ND			5	1	05/10/08 17:21	LT	4429939
o-Xylene	ND			5	1	05/10/08 17:21	LT	4429939
Xylenes,Total	ND			5	1	05/10/08 17:21	LT	4429939
Surr: 1,2-Dichloroethane-d4	100		%	62-130	1	05/10/08 17:21	LT	4429939
Surr: 4-Bromofluorobenzene	92.0		%	70-130	1	05/10/08 17:21	LT	4429939
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 17:21	LT	4429939

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C18-Bot-6' **Collected:** 05/02/2008 12:51 **SPL Sample ID:** 08050489-12

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.1	1	05/10/08 3:35	JC	4429751
Ethylbenzene	ND			5.1	1	05/10/08 3:35	JC	4429751
Toluene	ND			5.1	1	05/10/08 3:35	JC	4429751
m,p-Xylene	ND			5.1	1	05/10/08 3:35	JC	4429751
o-Xylene	ND			5.1	1	05/10/08 3:35	JC	4429751
Xylenes,Total	ND			5.1	1	05/10/08 3:35	JC	4429751
Surr: 1,2-Dichloroethane-d4	87.6		%	64-130	1	05/10/08 3:35	JC	4429751
Surr: 4-Bromofluorobenzene	97.6		%	62-130	1	05/10/08 3:35	JC	4429751
Surr: Toluene-d8	104		%	70-140	1	05/10/08 3:35	JC	4429751

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:36	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C17-SW-S **Collected:** 05/02/2008 10:37 **SPL Sample ID:** 08050489-13

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/12/08 18:20	NW	4434370
Surr: n-Pentacosane	89.9		%	20-154	1	05/12/08 18:20	NW	4434370

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 13:47	SFE	4428533
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/09/08 13:47	SFE	4428533
Surr: 4-Bromofluorobenzene	101		%	50-159	1	05/09/08 13:47	SFE	4428533

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 12:59	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	5.27			5.11	1	05/10/08 3:46	A_E	4428768
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	2.16			0	1	05/08/08 13:22	ESK	4424902
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 4:04	JC	4429752
Ethylbenzene	ND			5.2	1	05/10/08 4:04	JC	4429752
Toluene	ND			5.2	1	05/10/08 4:04	JC	4429752
m,p-Xylene	ND			5.2	1	05/10/08 4:04	JC	4429752
o-Xylene	ND			5.2	1	05/10/08 4:04	JC	4429752
Xylenes,Total	ND			5.2	1	05/10/08 4:04	JC	4429752
Surr: 1,2-Dichloroethane-d4	89.1		%	64-130	1	05/10/08 4:04	JC	4429752
Surr: 4-Bromofluorobenzene	97.0		%	62-130	1	05/10/08 4:04	JC	4429752
Surr: Toluene-d8	111		%	70-140	1	05/10/08 4:04	JC	4429752

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:38	JC	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C14-Bot-8' **Collected:** 05/01/2008 10:43 **SPL Sample ID:** 08050489-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 18:43	NW	4434371
Surr: n-Pentacosane	93.1		%	20-154	1	05/12/08 18:43	NW	4434371

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 14:16	SFE	4428534
Surr: 1,4-Difluorobenzene	98.7		%	63-142	1	05/09/08 14:16	SFE	4428534
Surr: 4-Bromofluorobenzene	98.4		%	50-159	1	05/09/08 14:16	SFE	4428534

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:00	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	46.2			5.18	1	05/10/08 4:02	A_E	4428769
ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	2.93			0.5	1	05/13/08 3:26	A_E	4433897

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.45			0	1	05/08/08 13:22	ESK	4424901
SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 17:47	LT	4429940
Ethylbenzene	ND			5	1	05/10/08 17:47	LT	4429940
Toluene	ND			5	1	05/10/08 17:47	LT	4429940
m,p-Xylene	ND			5	1	05/10/08 17:47	LT	4429940
o-Xylene	ND			5	1	05/10/08 17:47	LT	4429940
Xylenes,Total	ND			5	1	05/10/08 17:47	LT	4429940
Surr: 1,2-Dichloroethane-d4	98.0		%	62-130	1	05/10/08 17:47	LT	4429940
Surr: 4-Bromofluorobenzene	88.0		%	70-130	1	05/10/08 17:47	LT	4429940
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 17:47	LT	4429940

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C14-Bot-8' **Collected:** 05/01/2008 10:43 **SPL Sample ID:** 08050489-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/10/08 4:33	JC	4429753
Ethylbenzene	ND			5.2	1	05/10/08 4:33	JC	4429753
Toluene	ND			5.2	1	05/10/08 4:33	JC	4429753
m,p-Xylene	ND			5.2	1	05/10/08 4:33	JC	4429753
o-Xylene	ND			5.2	1	05/10/08 4:33	JC	4429753
Xylenes,Total	ND			5.2	1	05/10/08 4:33	JC	4429753
Surr: 1,2-Dichloroethane-d4	84.3		%	64-130	1	05/10/08 4:33	JC	4429753
Surr: 4-Bromofluorobenzene	98.4		%	62-130	1	05/10/08 4:33	JC	4429753
Surr: Toluene-d8	102		%	70-140	1	05/10/08 4:33	JC	4429753

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:40	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C15-SW-N **Collected:** 05/01/2008 11:07 **SPL Sample ID:** 08050489-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 19:05	NW	4434372
Surr: n-Pentacosane	87.5		%	20-154	1	05/12/08 19:05	NW	4434372

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 14:44	SFE	4428535
Surr: 1,4-Difluorobenzene	98.5		%	63-142	1	05/09/08 14:44	SFE	4428535
Surr: 4-Bromofluorobenzene	98.6		%	50-159	1	05/09/08 14:44	SFE	4428535

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:01	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	255			20.9	4	05/10/08 4:19	A_E	4428770
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.1			0	1	05/08/08 13:22	ESK	4424900
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 5:00	JC	4429754
Ethylbenzene	ND			5.2	1	05/10/08 5:00	JC	4429754
Toluene	ND			5.2	1	05/10/08 5:00	JC	4429754
m,p-Xylene	ND			5.2	1	05/10/08 5:00	JC	4429754
o-Xylene	ND			5.2	1	05/10/08 5:00	JC	4429754
Xylenes,Total	ND			5.2	1	05/10/08 5:00	JC	4429754
Surr: 1,2-Dichloroethane-d4	92.7		%	64-130	1	05/10/08 5:00	JC	4429754
Surr: 4-Bromofluorobenzene	92.7		%	62-130	1	05/10/08 5:00	JC	4429754
Surr: Toluene-d8	94.8		%	70-140	1	05/10/08 5:00	JC	4429754

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:42	JC	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C13-SW-N **Collected:** 04/30/2008 11:33 **SPL Sample ID:** 08050489-16

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 19:27	NW	4434373
Surr: n-Pentacosane	93.7		%	20-154	1	05/12/08 19:27	NW	4434373

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 15:13	SFE	4428536
Surr: 1,4-Difluorobenzene	99.2		%	63-142	1	05/09/08 15:13	SFE	4428536
Surr: 4-Bromofluorobenzene	101		%	50-159	1	05/09/08 15:13	SFE	4428536

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:02	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	72.5			5.18	1	05/10/08 5:41	A_E	4428775
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.48			0	1	05/08/08 13:22	ESK	4424899
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.1	1	05/10/08 17:02	JC	4429765
Ethylbenzene	ND			5.1	1	05/10/08 17:02	JC	4429765
Toluene	ND			5.1	1	05/10/08 17:02	JC	4429765
m,p-Xylene	ND			5.1	1	05/10/08 17:02	JC	4429765
o-Xylene	ND			5.1	1	05/10/08 17:02	JC	4429765
Xylenes,Total	ND			5.1	1	05/10/08 17:02	JC	4429765
Surr: 1,2-Dichloroethane-d4	88.7		%	64-130	1	05/10/08 17:02	JC	4429765
Surr: 4-Bromofluorobenzene	94.8		%	62-130	1	05/10/08 17:02	JC	4429765
Surr: Toluene-d8	101		%	70-140	1	05/10/08 17:02	JC	4429765

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:44	JC	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C14-SW-N **Collected:** 05/01/2008 9:50 **SPL Sample ID:** 08050489-17

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 19:50	NW	4434374
Surr: n-Pentacosane	92.3		%	20-154	1	05/12/08 19:50	NW	4434374

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 16:38	SFE	4428539
Surr: 1,4-Difluorobenzene	98.5		%	63-142	1	05/09/08 16:38	SFE	4428539
Surr: 4-Bromofluorobenzene	102		%	50-159	1	05/09/08 16:38	SFE	4428539

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:02	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	76.2			5.18	1	05/10/08 5:57	A_E	4428776
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.45			0	1	05/08/08 13:22	ESK	4424898
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 5:28	JC	4429755
Ethylbenzene	ND			5.2	1	05/10/08 5:28	JC	4429755
Toluene	ND			5.2	1	05/10/08 5:28	JC	4429755
m,p-Xylene	ND			5.2	1	05/10/08 5:28	JC	4429755
o-Xylene	ND			5.2	1	05/10/08 5:28	JC	4429755
Xylenes,Total	ND			5.2	1	05/10/08 5:28	JC	4429755
Surr: 1,2-Dichloroethane-d4	91.8		%	64-130	1	05/10/08 5:28	JC	4429755
Surr: 4-Bromofluorobenzene	95.8		%	62-130	1	05/10/08 5:28	JC	4429755
Surr: Toluene-d8	99.8		%	70-140	1	05/10/08 5:28	JC	4429755

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:50	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C15-SW-S **Collected:** 05/01/2008 11:11 **SPL Sample ID:** 08050489-18

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/12/08 20:12	NW	4434375
Surr: n-Pentacosane	88.2		%	20-154	1	05/12/08 20:12	NW	4434375

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 17:07	SFE	4428540
Surr: 1,4-Difluorobenzene	99.2		%	63-142	1	05/09/08 17:07	SFE	4428540
Surr: 4-Bromofluorobenzene	99.1		%	50-159	1	05/09/08 17:07	SFE	4428540

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:03	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	ND			5.14	1	05/10/08 6:14	A_E	4428777
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	2.68			0	1	05/08/08 13:22	ESK	4424897
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.1	1	05/10/08 5:55	JC	4429756
Ethylbenzene	ND			5.1	1	05/10/08 5:55	JC	4429756
Toluene	ND			5.1	1	05/10/08 5:55	JC	4429756
m,p-Xylene	ND			5.1	1	05/10/08 5:55	JC	4429756
o-Xylene	ND			5.1	1	05/10/08 5:55	JC	4429756
Xylenes,Total	ND			5.1	1	05/10/08 5:55	JC	4429756
Surr: 1,2-Dichloroethane-d4	80.0		%	64-130	1	05/10/08 5:55	JC	4429756
Surr: 4-Bromofluorobenzene	98.0		%	62-130	1	05/10/08 5:55	JC	4429756
Surr: Toluene-d8	108		%	70-140	1	05/10/08 5:55	JC	4429756

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:52	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C13-Bot-12' **Collected:** 05/01/2008 10:01 **SPL Sample ID:** 08050489-19

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Diesel Range Organics (C10-C28)	ND		5.2	1	05/12/08 20:34	NW	4434376
Surr: n-Pentacosane	91.8		% 20-154	1	05/12/08 20:34	NW	4434376

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Gasoline Range Organics	ND		0.1	1	05/09/08 17:35	SFE	4428541
Surr: 1,4-Difluorobenzene	98.4		% 63-142	1	05/09/08 17:35	SFE	4428541
Surr: 4-Bromofluorobenzene	102		% 50-159	1	05/09/08 17:35	SFE	4428541

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:04	SFE	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY			**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**		
Chloride	49.3		5.18	1	05/10/08 6:30	A_E	4428778

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY - SPLP			**MCL**	**SW9056**	**Units: mg/L**		
Chloride	23		2	4	05/13/08 18:08	A_E	4436214

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**	**Units: wt%**		
Percent Moisture	3.47		0	1	05/08/08 13:22	ESK	4424896

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SPLP VOLATILE ORGANICS			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/10/08 18:13	LT	4429941
Ethylbenzene	ND		5	1	05/10/08 18:13	LT	4429941
Toluene	ND		5	1	05/10/08 18:13	LT	4429941
m,p-Xylene	ND		5	1	05/10/08 18:13	LT	4429941
o-Xylene	ND		5	1	05/10/08 18:13	LT	4429941
Xylenes,Total	ND		5	1	05/10/08 18:13	LT	4429941
Surr: 1,2-Dichloroethane-d4	100		% 62-130	1	05/10/08 18:13	LT	4429941
Surr: 4-Bromofluorobenzene	90.0		% 70-130	1	05/10/08 18:13	LT	4429941
Surr: Toluene-d8	94.0		% 74-122	1	05/10/08 18:13	LT	4429941

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C13-Bot-12' **Collected:** 05/01/2008 10:01 **SPL Sample ID:** 08050489-19

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/10/08 6:24	JC	4429757
Ethylbenzene	ND			5.2	1	05/10/08 6:24	JC	4429757
Toluene	ND			5.2	1	05/10/08 6:24	JC	4429757
m,p-Xylene	ND			5.2	1	05/10/08 6:24	JC	4429757
o-Xylene	ND			5.2	1	05/10/08 6:24	JC	4429757
Xylenes,Total	ND			5.2	1	05/10/08 6:24	JC	4429757
Surr: 1,2-Dichloroethane-d4	88.4		%	64-130	1	05/10/08 6:24	JC	4429757
Surr: 4-Bromofluorobenzene	92.4		%	62-130	1	05/10/08 6:24	JC	4429757
Surr: Toluene-d8	100		%	70-140	1	05/10/08 6:24	JC	4429757

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:54	JC	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C15-Bot-8' **Collected:** 05/01/2008 11:17 **SPL Sample ID:** 08050489-20

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Diesel Range Organics (C10-C28)	ND		5.2	1	05/12/08 20:57	NW	4434377
Surr: n-Pentacosane	89.5		% 20-154	1	05/12/08 20:57	NW	4434377

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/kg-dry**		
Gasoline Range Organics	ND		0.1	1	05/09/08 18:05	SFE	4428542
Surr: 1,4-Difluorobenzene	99.8		% 63-142	1	05/09/08 18:05	SFE	4428542
Surr: 4-Bromofluorobenzene	98.6		% 50-159	1	05/09/08 18:05	SFE	4428542

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:04	SFE	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY			**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**		
Chloride	27.2		5.18	1	05/10/08 6:46	A_E	4428779

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY - SPLP			**MCL**	**SW9056**	**Units: mg/L**		
Chloride	1.7		0.5	1	05/13/08 3:59	A_E	4433898

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**	**Units: wt%**		
Percent Moisture	3.5		0	1	05/08/08 13:22	ESK	4424895

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SPLP VOLATILE ORGANICS			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/10/08 18:39	LT	4429942
Ethylbenzene	ND		5	1	05/10/08 18:39	LT	4429942
Toluene	ND		5	1	05/10/08 18:39	LT	4429942
m,p-Xylene	ND		5	1	05/10/08 18:39	LT	4429942
o-Xylene	ND		5	1	05/10/08 18:39	LT	4429942
Xylenes,Total	ND		5	1	05/10/08 18:39	LT	4429942
Surr: 1,2-Dichloroethane-d4	98.0		% 62-130	1	05/10/08 18:39	LT	4429942
Surr: 4-Bromofluorobenzene	90.0		% 70-130	1	05/10/08 18:39	LT	4429942
Surr: Toluene-d8	96.0		% 74-122	1	05/10/08 18:39	LT	4429942

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C15-Bot-8' **Collected:** 05/01/2008 11:17 **SPL Sample ID:** 08050489-20

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.1	1	05/08/08 17:31	E_G	4426521
Ethylbenzene	ND			5.1	1	05/08/08 17:31	E_G	4426521
Toluene	ND			5.1	1	05/08/08 17:31	E_G	4426521
m,p-Xylene	ND			5.1	1	05/08/08 17:31	E_G	4426521
o-Xylene	ND			5.1	1	05/08/08 17:31	E_G	4426521
Xylenes,Total	ND			5.1	1	05/08/08 17:31	E_G	4426521
Surr: 1,2-Dichloroethane-d4	86.7		%	64-130	1	05/08/08 17:31	E_G	4426521
Surr: 4-Bromofluorobenzene	92.7		%	62-130	1	05/08/08 17:31	E_G	4426521
Surr: Toluene-d8	103		%	70-140	1	05/08/08 17:31	E_G	4426521

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:56	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C19-SW-W **Collected:** 05/02/2008 13:56 **SPL Sample ID:** 08050489-21

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.6	1	05/12/08 21:20	NW	4434378
Surr: n-Pentacosane	112		%	20-154	1	05/12/08 21:20	NW	4434378

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/09/08 19:59	SFE	4428569
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/09/08 19:59	SFE	4428569
Surr: 4-Bromofluorobenzene	99.0		%	50-159	1	05/09/08 19:59	SFE	4428569

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:09	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	14			5.59	1	05/10/08 12:59	A_E	4432607
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	10.6			0	1	05/08/08 13:22	ESK	4424893
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.5	1	05/08/08 17:57	E_G	4426522
Ethylbenzene	ND			5.5	1	05/08/08 17:57	E_G	4426522
Toluene	ND			5.5	1	05/08/08 17:57	E_G	4426522
m,p-Xylene	ND			5.5	1	05/08/08 17:57	E_G	4426522
o-Xylene	ND			5.5	1	05/08/08 17:57	E_G	4426522
Xylenes,Total	ND			5.5	1	05/08/08 17:57	E_G	4426522
Surr: 1,2-Dichloroethane-d4	82.8		%	64-130	1	05/08/08 17:57	E_G	4426522
Surr: 4-Bromofluorobenzene	90.9		%	62-130	1	05/08/08 17:57	E_G	4426522
Surr: Toluene-d8	103		%	70-140	1	05/08/08 17:57	E_G	4426522

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 15:58	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C17-SW-N **Collected:** 05/02/2008 10:31 **SPL Sample ID:** 08050489-22

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/12/08 22:27	NW	4434380
Surr: n-Pentacosane	94.9		%	20-154	1	05/12/08 22:27	NW	4434380

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 20:27	SFE	4428570
Surr: 1,4-Difluorobenzene	101		%	63-142	1	05/09/08 20:27	SFE	4428570
Surr: 4-Bromofluorobenzene	102		%	50-159	1	05/09/08 20:27	SFE	4428570

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:10	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	32.9			5.07	1	05/10/08 13:15	A_E	4432608
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	1.37			0	1	05/08/08 13:22	ESK	4424892
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5	1	05/08/08 18:23	E_G	4426523
Ethylbenzene	ND			5	1	05/08/08 18:23	E_G	4426523
Toluene	ND			5	1	05/08/08 18:23	E_G	4426523
m,p-Xylene	ND			5	1	05/08/08 18:23	E_G	4426523
o-Xylene	ND			5	1	05/08/08 18:23	E_G	4426523
Xylenes,Total	ND			5	1	05/08/08 18:23	E_G	4426523
Surr: 1,2-Dichloroethane-d4	84.5		%	64-130	1	05/08/08 18:23	E_G	4426523
Surr: 4-Bromofluorobenzene	94.6		%	62-130	1	05/08/08 18:23	E_G	4426523
Surr: Toluene-d8	101		%	70-140	1	05/08/08 18:23	E_G	4426523

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:00	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C16-Bot-8' **Collected:** 05/02/2008 9:51 **SPL Sample ID:** 08050489-23

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			6.4	1	05/12/08 22:49	NW	4434381
Surr: n-Pentacosane	127		%	20-154	1	05/12/08 22:49	NW	4434381

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.13	1	05/09/08 21:53	SFE	4428573
Surr: 1,4-Difluorobenzene	98.7		%	63-142	1	05/09/08 21:53	SFE	4428573
Surr: 4-Bromofluorobenzene	98.9		%	50-159	1	05/09/08 21:53	SFE	4428573

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:12	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	94.3			6.4	1	05/10/08 13:32	A_E	4432609

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	6.78			0.5	1	05/13/08 4:15	A_E	4433899

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	21.9			0	1	05/08/08 13:22	ESK	4424891

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 19:04	LT	4429943
Ethylbenzene	ND			5	1	05/10/08 19:04	LT	4429943
Toluene	ND			5	1	05/10/08 19:04	LT	4429943
m,p-Xylene	ND			5	1	05/10/08 19:04	LT	4429943
o-Xylene	ND			5	1	05/10/08 19:04	LT	4429943
Xylenes,Total	ND			5	1	05/10/08 19:04	LT	4429943
Surr: 1,2-Dichloroethane-d4	98.0		%	62-130	1	05/10/08 19:04	LT	4429943
Surr: 4-Bromofluorobenzene	88.0		%	70-130	1	05/10/08 19:04	LT	4429943
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 19:04	LT	4429943

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C16-Bot-8' **Collected:** 05/02/2008 9:51 **SPL Sample ID:** 08050489-23

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			6.4	1	05/08/08 18:49	E_G	4426524
Ethylbenzene	ND			6.4	1	05/08/08 18:49	E_G	4426524
Toluene	ND			6.4	1	05/08/08 18:49	E_G	4426524
m,p-Xylene	ND			6.4	1	05/08/08 18:49	E_G	4426524
o-Xylene	ND			6.4	1	05/08/08 18:49	E_G	4426524
Xylenes,Total	ND			6.4	1	05/08/08 18:49	E_G	4426524
Surr: 1,2-Dichloroethane-d4	84.5		%	64-130	1	05/08/08 18:49	E_G	4426524
Surr: 4-Bromofluorobenzene	92.6		%	62-130	1	05/08/08 18:49	E_G	4426524
Surr: Toluene-d8	103		%	70-140	1	05/08/08 18:49	E_G	4426524

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:02	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C16-SW-S **Collected:** 05/02/2008 9:24 **SPL Sample ID:** 08050489-24

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/12/08 23:11	NW	4434382
Surr: n-Pentacosane	93.9		%	20-154	1	05/12/08 23:11	NW	4434382

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 22:21	SFE	4428574
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/09/08 22:21	SFE	4428574
Surr: 4-Bromofluorobenzene	98.4		%	50-159	1	05/09/08 22:21	SFE	4428574

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:13	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	27.3			5.21	1	05/10/08 13:48	A_E	4432610
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.97			0	1	05/08/08 13:22	ESK	4424890
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/08/08 19:16	E_G	4426525
Ethylbenzene	ND			5.2	1	05/08/08 19:16	E_G	4426525
Toluene	ND			5.2	1	05/08/08 19:16	E_G	4426525
m,p-Xylene	ND			5.2	1	05/08/08 19:16	E_G	4426525
o-Xylene	ND			5.2	1	05/08/08 19:16	E_G	4426525
Xylenes,Total	ND			5.2	1	05/08/08 19:16	E_G	4426525
Surr: 1,2-Dichloroethane-d4	86.7		%	64-130	1	05/08/08 19:16	E_G	4426525
Surr: 4-Bromofluorobenzene	92.7		%	62-130	1	05/08/08 19:16	E_G	4426525
Surr: Toluene-d8	103		%	70-140	1	05/08/08 19:16	E_G	4426525

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:04	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C16-SW-N **Collected:** 05/02/2008 9:15 **SPL Sample ID:** 08050489-25

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.1	1	05/12/08 23:34	NW	4434383
Surr: n-Pentacosane	89.3		%	20-154	1	05/12/08 23:34	NW	4434383

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/09/08 22:50	SFE	4428575
Surr: 1,4-Difluorobenzene	99.3		%	63-142	1	05/09/08 22:50	SFE	4428575
Surr: 4-Bromofluorobenzene	101		%	50-159	1	05/09/08 22:50	SFE	4428575

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:14	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	5.31			5.13	1	05/10/08 14:05	A_E	4432611
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	2.56			0	1	05/08/08 13:22	ESK	4424889
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/08/08 19:42	E_G	4426526
Ethylbenzene	ND			5.2	1	05/08/08 19:42	E_G	4426526
Toluene	ND			5.2	1	05/08/08 19:42	E_G	4426526
m,p-Xylene	ND			5.2	1	05/08/08 19:42	E_G	4426526
o-Xylene	ND			5.2	1	05/08/08 19:42	E_G	4426526
Xylenes,Total	ND			5.2	1	05/08/08 19:42	E_G	4426526
Surr: 1,2-Dichloroethane-d4	83.7		%	64-130	1	05/08/08 19:42	E_G	4426526
Surr: 4-Bromofluorobenzene	89.6		%	62-130	1	05/08/08 19:42	E_G	4426526
Surr: Toluene-d8	104		%	70-140	1	05/08/08 19:42	E_G	4426526

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:06	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C18-SW-S **Collected:** 05/02/2008 12:42 **SPL Sample ID:** 08050489-26

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/12/08 23:56	NW	4434384
Surr: n-Pentacosane	92.2		%	20-154	1	05/12/08 23:56	NW	4434384

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/09/08 23:18	SFE	4428576
Surr: 1,4-Difluorobenzene	98.6		%	63-142	1	05/09/08 23:18	SFE	4428576
Surr: 4-Bromofluorobenzene	98.5		%	50-159	1	05/09/08 23:18	SFE	4428576

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:15	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	46.4			5.26	1	05/10/08 14:21	A_E	4432612
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.02			0	1	05/08/08 13:22	ESK	4424888
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/08/08 20:08	E_G	4426527
Ethylbenzene	ND			5.2	1	05/08/08 20:08	E_G	4426527
Toluene	ND			5.2	1	05/08/08 20:08	E_G	4426527
m,p-Xylene	ND			5.2	1	05/08/08 20:08	E_G	4426527
o-Xylene	ND			5.2	1	05/08/08 20:08	E_G	4426527
Xylenes,Total	ND			5.2	1	05/08/08 20:08	E_G	4426527
Surr: 1,2-Dichloroethane-d4	86.7		%	64-130	1	05/08/08 20:08	E_G	4426527
Surr: 4-Bromofluorobenzene	90.7		%	62-130	1	05/08/08 20:08	E_G	4426527
Surr: Toluene-d8	103		%	70-140	1	05/08/08 20:08	E_G	4426527

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:08	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C18-SW-N **Collected:** 05/02/2008 12:35 **SPL Sample ID:** 08050489-27

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.5	1	05/13/08 0:19	NW	4434385
Surr: n-Pentacosane	111		%	20-154	1	05/13/08 0:19	NW	4434385

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 16:38	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/10/08 0:43	SFE	4428579
Surr: 1,4-Difluorobenzene	99.5		%	63-142	1	05/10/08 0:43	SFE	4428579
Surr: 4-Bromofluorobenzene	97.2		%	50-159	1	05/10/08 0:43	SFE	4428579

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:15	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	27.3			5.5	1	05/10/08 14:38	A_E	4432613
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	9.06			0	1	05/08/08 13:22	ESK	4424887
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.5	1	05/08/08 20:34	E_G	4426528
Ethylbenzene	ND			5.5	1	05/08/08 20:34	E_G	4426528
Toluene	ND			5.5	1	05/08/08 20:34	E_G	4426528
m,p-Xylene	ND			5.5	1	05/08/08 20:34	E_G	4426528
o-Xylene	ND			5.5	1	05/08/08 20:34	E_G	4426528
Xylenes,Total	ND			5.5	1	05/08/08 20:34	E_G	4426528
Surr: 1,2-Dichloroethane-d4	86.2		%	64-130	1	05/08/08 20:34	E_G	4426528
Surr: 4-Bromofluorobenzene	92.2		%	62-130	1	05/08/08 20:34	E_G	4426528
Surr: Toluene-d8	102		%	70-140	1	05/08/08 20:34	E_G	4426528

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:10	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C17-Bot-6' **Collected:** 05/02/2008 10:42 **SPL Sample ID:** 08050489-28

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.4	1	05/13/08 2:33	NW	4433766
Surr: n-Pentacosane	76.7		%	20-154	1	05/13/08 2:33	NW	4433766

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/10/08 1:12	SFE	4428580
Surr: 1,4-Difluorobenzene	98.8		%	63-142	1	05/10/08 1:12	SFE	4428580
Surr: 4-Bromofluorobenzene	101		%	50-159	1	05/10/08 1:12	SFE	4428580

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:16	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	149			5.38	1	05/10/08 14:54	A_E	4432614

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	45.3			2	4	05/13/08 17:19	A_E	4436211

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	7.14			0	1	05/08/08 13:22	ESK	4424886

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 19:30	LT	4429944
Ethylbenzene	ND			5	1	05/10/08 19:30	LT	4429944
Toluene	ND			5	1	05/10/08 19:30	LT	4429944
m,p-Xylene	ND			5	1	05/10/08 19:30	LT	4429944
o-Xylene	ND			5	1	05/10/08 19:30	LT	4429944
Xylenes,Total	ND			5	1	05/10/08 19:30	LT	4429944
Surr: 1,2-Dichloroethane-d4	98.0		%	62-130	1	05/10/08 19:30	LT	4429944
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/10/08 19:30	LT	4429944
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 19:30	LT	4429944

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C17-Bot-6' **Collected:** 05/02/2008 10:42 **SPL Sample ID:** 08050489-28

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.4	1	05/08/08 21:00	E_G	4426606
Ethylbenzene	ND			5.4	1	05/08/08 21:00	E_G	4426606
Toluene	ND			5.4	1	05/08/08 21:00	E_G	4426606
m,p-Xylene	ND			5.4	1	05/08/08 21:00	E_G	4426606
o-Xylene	ND			5.4	1	05/08/08 21:00	E_G	4426606
Xylenes,Total	ND			5.4	1	05/08/08 21:00	E_G	4426606
Surr: 1,2-Dichloroethane-d4	86.2		%	64-130	1	05/08/08 21:00	E_G	4426606
Surr: 4-Bromofluorobenzene	92.2		%	62-130	1	05/08/08 21:00	E_G	4426606
Surr: Toluene-d8	104		%	70-140	1	05/08/08 21:00	E_G	4426606

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:12	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C19-Bot-5' **Collected:** 05/02/2008 13:41 **SPL Sample ID:** 08050489-29

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 2:55	NW	4433767
Surr: n-Pentacosane	72.7		%	20-154	1	05/13/08 2:55	NW	4433767

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 1:40	SFE	4428581
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/10/08 1:40	SFE	4428581
Surr: 4-Bromofluorobenzene	99.0		%	50-159	1	05/10/08 1:40	SFE	4428581

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:17	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	ND			5.18	1	05/12/08 21:08	A_E	4433823
ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	8.82			0.5	1	05/13/08 4:48	A_E	4433900

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.44			0	1	05/08/08 13:22	ESK	4424885
SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 19:56	LT	4429945
Ethylbenzene	ND			5	1	05/10/08 19:56	LT	4429945
Toluene	ND			5	1	05/10/08 19:56	LT	4429945
m,p-Xylene	ND			5	1	05/10/08 19:56	LT	4429945
o-Xylene	ND			5	1	05/10/08 19:56	LT	4429945
Xylenes,Total	ND			5	1	05/10/08 19:56	LT	4429945
Surr: 1,2-Dichloroethane-d4	100		%	62-130	1	05/10/08 19:56	LT	4429945
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/10/08 19:56	LT	4429945
Surr: Toluene-d8	94.0		%	74-122	1	05/10/08 19:56	LT	4429945

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C19-Bot-5' **Collected:** 05/02/2008 13:41 **SPL Sample ID:** 08050489-29

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/08/08 21:26	E_G	4426530
Ethylbenzene	ND			5.2	1	05/08/08 21:26	E_G	4426530
Toluene	ND			5.2	1	05/08/08 21:26	E_G	4426530
m,p-Xylene	ND			5.2	1	05/08/08 21:26	E_G	4426530
o-Xylene	ND			5.2	1	05/08/08 21:26	E_G	4426530
Xylenes,Total	ND			5.2	1	05/08/08 21:26	E_G	4426530
Surr: 1,2-Dichloroethane-d4	87.1		%	64-130	1	05/08/08 21:26	E_G	4426530
Surr: 4-Bromofluorobenzene	91.1		%	62-130	1	05/08/08 21:26	E_G	4426530
Surr: Toluene-d8	101		%	70-140	1	05/08/08 21:26	E_G	4426530

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:14	E_G	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C19-SW-5 **Collected:** 05/02/2008 13:33 **SPL Sample ID:** 08050489-30

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 3:18	NW	4433768
Surr: n-Pentacosane	69.6		%	20-154	1	05/13/08 3:18	NW	4433768

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 2:09	SFE	4428582
Surr: 1,4-Difluorobenzene	98.2		%	63-142	1	05/10/08 2:09	SFE	4428582
Surr: 4-Bromofluorobenzene	98.0		%	50-159	1	05/10/08 2:09	SFE	4428582

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:18	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	36.4			5.2	1	05/12/08 21:24	A_E	4433824
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	3.85			0	1	05/08/08 13:22	ESK	4424884
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.2	1	05/08/08 21:52	E_G	4426531
Ethylbenzene	ND			5.2	1	05/08/08 21:52	E_G	4426531
Toluene	ND			5.2	1	05/08/08 21:52	E_G	4426531
m,p-Xylene	ND			5.2	1	05/08/08 21:52	E_G	4426531
o-Xylene	ND			5.2	1	05/08/08 21:52	E_G	4426531
Xylenes,Total	ND			5.2	1	05/08/08 21:52	E_G	4426531
Surr: 1,2-Dichloroethane-d4	88.0		%	64-130	1	05/08/08 21:52	E_G	4426531
Surr: 4-Bromofluorobenzene	88.0		%	62-130	1	05/08/08 21:52	E_G	4426531
Surr: Toluene-d8	100		%	70-140	1	05/08/08 21:52	E_G	4426531

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:16	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C11-Bot-9' **Collected:** 04/29/2008 15:28 **SPL Sample ID:** 08050489-31

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 3:40	NW	4433769
Surr: n-Pentacosane	73.3		%	20-154	1	05/13/08 3:40	NW	4433769

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 2:37	SFE	4428583
Surr: 1,4-Difluorobenzene	98.4		%	63-142	1	05/10/08 2:37	SFE	4428583
Surr: 4-Bromofluorobenzene	97.5		%	50-159	1	05/10/08 2:37	SFE	4428583

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:19	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	242			21	4	05/12/08 21:40	A_E	4433825

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	60.9			2	4	05/13/08 18:24	A_E	4436215

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.6			0	1	05/08/08 13:22	ESK	4424882

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 20:22	LT	4429946
Ethylbenzene	ND			5	1	05/10/08 20:22	LT	4429946
Toluene	ND			5	1	05/10/08 20:22	LT	4429946
m,p-Xylene	ND			5	1	05/10/08 20:22	LT	4429946
o-Xylene	ND			5	1	05/10/08 20:22	LT	4429946
Xylenes,Total	ND			5	1	05/10/08 20:22	LT	4429946
Surr: 1,2-Dichloroethane-d4	100		%	62-130	1	05/10/08 20:22	LT	4429946
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/10/08 20:22	LT	4429946
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 20:22	LT	4429946

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C11-Bot-9' **Collected:** 04/29/2008 15:28 **SPL Sample ID:** 08050489-31

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/08/08 22:18	E_G	4426532
Ethylbenzene	ND			5.2	1	05/08/08 22:18	E_G	4426532
Toluene	ND			5.2	1	05/08/08 22:18	E_G	4426532
m,p-Xylene	ND			5.2	1	05/08/08 22:18	E_G	4426532
o-Xylene	ND			5.2	1	05/08/08 22:18	E_G	4426532
Xylenes,Total	ND			5.2	1	05/08/08 22:18	E_G	4426532
Surr: 1,2-Dichloroethane-d4	84.5		%	64-130	1	05/08/08 22:18	E_G	4426532
Surr: 4-Bromofluorobenzene	90.5		%	62-130	1	05/08/08 22:18	E_G	4426532
Surr: Toluene-d8	103		%	70-140	1	05/08/08 22:18	E_G	4426532

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:18	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C10-Bot-8' **Collected:** 04/29/2008 14:20 **SPL Sample ID:** 08050489-32

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 5:10	NW	4433773
Surr: n-Pentacosane	82.3		%	20-154	1	05/13/08 5:10	NW	4433773

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 3:06	SFE	4428584
Surr: 1,4-Difluorobenzene	98.9		%	63-142	1	05/10/08 3:06	SFE	4428584
Surr: 4-Bromofluorobenzene	100		%	50-159	1	05/10/08 3:06	SFE	4428584

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:52	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	198			20.9	4	05/12/08 21:57	A_E	4433826
ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	63.6			2	4	05/13/08 18:41	A_E	4436216

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.5			0	1	05/08/08 13:22	ESK	4424881
SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 20:48	LT	4429947
Ethylbenzene	ND			5	1	05/10/08 20:48	LT	4429947
Toluene	ND			5	1	05/10/08 20:48	LT	4429947
m,p-Xylene	ND			5	1	05/10/08 20:48	LT	4429947
o-Xylene	ND			5	1	05/10/08 20:48	LT	4429947
Xylenes,Total	ND			5	1	05/10/08 20:48	LT	4429947
Surr: 1,2-Dichloroethane-d4	102		%	62-130	1	05/10/08 20:48	LT	4429947
Surr: 4-Bromofluorobenzene	92.0		%	70-130	1	05/10/08 20:48	LT	4429947
Surr: Toluene-d8	94.0		%	74-122	1	05/10/08 20:48	LT	4429947

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C10-Bot-8' **Collected:** 04/29/2008 14:20 **SPL Sample ID:** 08050489-32

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.3	1	05/09/08 20:32	E_G	4429068
Ethylbenzene	ND			5.3	1	05/09/08 20:32	E_G	4429068
Toluene	ND			5.3	1	05/09/08 20:32	E_G	4429068
m,p-Xylene	ND			5.3	1	05/09/08 20:32	E_G	4429068
o-Xylene	ND			5.3	1	05/09/08 20:32	E_G	4429068
Xylenes,Total	ND			5.3	1	05/09/08 20:32	E_G	4429068
Surr: 1,2-Dichloroethane-d4	89.1		%	64-130	1	05/09/08 20:32	E_G	4429068
Surr: 4-Bromofluorobenzene	93.1		%	62-130	1	05/09/08 20:32	E_G	4429068
Surr: Toluene-d8	103		%	70-140	1	05/09/08 20:32	E_G	4429068

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:24	E_G	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C11-SW-S **Collected:** 04/29/2008 15:23 **SPL Sample ID:** 08050489-33

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 5:32	NW	4433777
Surr: n-Pentacosane	96.9		%	20-154	1	05/13/08 5:32	NW	4433777

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 3:34	SFE	4428585
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/10/08 3:34	SFE	4428585
Surr: 4-Bromofluorobenzene	98.9		%	50-159	1	05/10/08 3:34	SFE	4428585

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:20	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	163			20.9	4	05/12/08 22:13	A_E	4433827
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.48			0	1	05/08/08 13:22	ESK	4424880
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/09/08 20:58	E_G	4429070
Ethylbenzene	ND			5.3	1	05/09/08 20:58	E_G	4429070
Toluene	ND			5.3	1	05/09/08 20:58	E_G	4429070
m,p-Xylene	ND			5.3	1	05/09/08 20:58	E_G	4429070
o-Xylene	ND			5.3	1	05/09/08 20:58	E_G	4429070
Xylenes,Total	ND			5.3	1	05/09/08 20:58	E_G	4429070
Surr: 1,2-Dichloroethane-d4	85.5		%	64-130	1	05/09/08 20:58	E_G	4429070
Surr: 4-Bromofluorobenzene	89.5		%	62-130	1	05/09/08 20:58	E_G	4429070
Surr: Toluene-d8	103		%	70-140	1	05/09/08 20:58	E_G	4429070

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:26	E_G	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID: C9-SW-S **Collected:** 04/29/2008 13:00 **SPL Sample ID:** 08050489-34

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/13/08 5:55	NW	4433778
Surr: n-Pentacosane	81.7		%	20-154	1	05/13/08 5:55	NW	4433778

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/10/08 4:02	SFE	4428586
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/10/08 4:02	SFE	4428586
Surr: 4-Bromofluorobenzene	98.7		%	50-159	1	05/10/08 4:02	SFE	4428586

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:21	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	150			21.1	4	05/12/08 22:30	A_E	4433828
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.28			0	1	05/08/08 13:22	ESK	4424879
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/09/08 21:24	E_G	4429072
Ethylbenzene	ND			5.3	1	05/09/08 21:24	E_G	4429072
Toluene	ND			5.3	1	05/09/08 21:24	E_G	4429072
m,p-Xylene	ND			5.3	1	05/09/08 21:24	E_G	4429072
o-Xylene	ND			5.3	1	05/09/08 21:24	E_G	4429072
Xylenes,Total	ND			5.3	1	05/09/08 21:24	E_G	4429072
Surr: 1,2-Dichloroethane-d4	87.8		%	64-130	1	05/09/08 21:24	E_G	4429072
Surr: 4-Bromofluorobenzene	91.8		%	62-130	1	05/09/08 21:24	E_G	4429072
Surr: Toluene-d8	102		%	70-140	1	05/09/08 21:24	E_G	4429072

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:28	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID: C9-SW-N **Collected:** 04/29/2008 13:09 **SPL Sample ID:** 08050489-35

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.3	1	05/13/08 6:17	NW	4433779
Surr: n-Pentacosane	102		%	20-154	1	05/13/08 6:17	NW	4433779

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.11	1	05/10/08 4:31	SFE	4428587
Surr: 1,4-Difluorobenzene	99.3		%	63-142	1	05/10/08 4:31	SFE	4428587
Surr: 4-Bromofluorobenzene	98.0		%	50-159	1	05/10/08 4:31	SFE	4428587

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:22	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	128			21.1	4	05/12/08 22:46	A_E	4433829
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	5.34			0	1	05/08/08 13:22	ESK	4424878
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/09/08 21:50	E_G	4429074
Ethylbenzene	ND			5.3	1	05/09/08 21:50	E_G	4429074
Toluene	ND			5.3	1	05/09/08 21:50	E_G	4429074
m,p-Xylene	ND			5.3	1	05/09/08 21:50	E_G	4429074
o-Xylene	ND			5.3	1	05/09/08 21:50	E_G	4429074
Xylenes,Total	ND			5.3	1	05/09/08 21:50	E_G	4429074
Surr: 1,2-Dichloroethane-d4	85.8		%	64-130	1	05/09/08 21:50	E_G	4429074
Surr: 4-Bromofluorobenzene	89.8		%	62-130	1	05/09/08 21:50	E_G	4429074
Surr: Toluene-d8	104		%	70-140	1	05/09/08 21:50	E_G	4429074

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:30	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID: C9-Bot-8' **Collected:** 04/29/2008 13:13 **SPL Sample ID:** 08050489-36

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 6:40	NW	4433780
Surr: n-Pentacosane	97.7		%	20-154	1	05/13/08 6:40	NW	4433780

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 4:59	SFE	4428588
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/10/08 4:59	SFE	4428588
Surr: 4-Bromofluorobenzene	98.8		%	50-159	1	05/10/08 4:59	SFE	4428588

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:22	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	198			21	4	05/12/08 23:03	A_E	4433830

ION CHROMATOGRAPHY - SPLP					**MCL**	**SW9056**	**Units: mg/L**	
Chloride	59.3			2	4	05/13/08 18:57	A_E	4436217

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.69			0	1	05/08/08 13:22	ESK	4424877

SPLP VOLATILE ORGANICS					**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND			5	1	05/10/08 21:14	LT	4429948
Ethylbenzene	ND			5	1	05/10/08 21:14	LT	4429948
Toluene	ND			5	1	05/10/08 21:14	LT	4429948
m,p-Xylene	ND			5	1	05/10/08 21:14	LT	4429948
o-Xylene	ND			5	1	05/10/08 21:14	LT	4429948
Xylenes,Total	ND			5	1	05/10/08 21:14	LT	4429948
Surr: 1,2-Dichloroethane-d4	100		%	62-130	1	05/10/08 21:14	LT	4429948
Surr: 4-Bromofluorobenzene	90.0		%	70-130	1	05/10/08 21:14	LT	4429948
Surr: Toluene-d8	96.0		%	74-122	1	05/10/08 21:14	LT	4429948

Leach Method	Leachate Date	Leach Initials
SW1312	05/09/2008	GF

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: C9-Bot-8' **Collected:** 04/29/2008 13:13 **SPL Sample ID:** 08050489-36

Site: **Maljamar, NM**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**		
Benzene	ND			5.2	1	05/09/08 22:16	E_G	4429076
Ethylbenzene	ND			5.2	1	05/09/08 22:16	E_G	4429076
Toluene	ND			5.2	1	05/09/08 22:16	E_G	4429076
m,p-Xylene	ND			5.2	1	05/09/08 22:16	E_G	4429076
o-Xylene	ND			5.2	1	05/09/08 22:16	E_G	4429076
Xylenes,Total	ND			5.2	1	05/09/08 22:16	E_G	4429076
Surr: 1,2-Dichloroethane-d4	84.7		%	64-130	1	05/09/08 22:16	E_G	4429076
Surr: 4-Bromofluorobenzene	90.7		%	62-130	1	05/09/08 22:16	E_G	4429076
Surr: Toluene-d8	103		%	70-140	1	05/09/08 22:16	E_G	4429076

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:32	E_G	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID: C10-SW-S **Collected:** 04/29/2008 14:01 **SPL Sample ID:** 08050489-37

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Diesel Range Organics (C10-C28)	ND			5.2	1	05/13/08 4:03	NW	4433770
Surr: n-Pentacosane	78.8		%	20-154	1	05/13/08 4:03	NW	4433770

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/10/2008 17:52	QMT	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/kg-dry**	
Gasoline Range Organics	ND			0.1	1	05/10/08 6:24	SFE	4428591
Surr: 1,4-Difluorobenzene	100		%	63-142	1	05/10/08 6:24	SFE	4428591
Surr: 4-Bromofluorobenzene	99.1		%	50-159	1	05/10/08 6:24	SFE	4428591

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 13:23	SFE	1.00

ION CHROMATOGRAPHY					**MCL**	**E300.0 MOD**	**Units: mg/kg-dry**	
Chloride	171			21	4	05/12/08 23:19	A_E	4433831
PERCENT MOISTURE					**MCL**	**D2216**	**Units: wt%**	
Percent Moisture	4.67			0	1	05/08/08 13:22	ESK	4424876
VOLATILE ORGANICS BY METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/kg-dry**	
Benzene	ND			5.3	1	05/09/08 22:42	E_G	4429078
Ethylbenzene	ND			5.3	1	05/09/08 22:42	E_G	4429078
Toluene	ND			5.3	1	05/09/08 22:42	E_G	4429078
m,p-Xylene	ND			5.3	1	05/09/08 22:42	E_G	4429078
o-Xylene	ND			5.3	1	05/09/08 22:42	E_G	4429078
Xylenes,Total	ND			5.3	1	05/09/08 22:42	E_G	4429078
Surr: 1,2-Dichloroethane-d4	89.3		%	64-130	1	05/09/08 22:42	E_G	4429078
Surr: 4-Bromofluorobenzene	91.3		%	62-130	1	05/09/08 22:42	E_G	4429078
Surr: Toluene-d8	103		%	70-140	1	05/09/08 22:42	E_G	4429078

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/08/2008 16:34	E_G	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Diesel Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** 78759

Method Blank

RunID: HP_Z_080510D-4433525 Units: mg/kg
Analysis Date: 05/11/2008 0:42 Analyst: NW
Preparation Date: 05/09/2008 11:23 Prep By: QMT Method SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	107.3	20-154

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-01B	C14-SW-S
08050489-02B	C2-SW-N
08050489-03B	C3-SW-N
08050489-04B	C13-SW-S
08050489-05B	C5-Bot-14'
08050489-06B	C11-SW-N
08050489-07B	C12-SW-N

Laboratory Control Sample (LCS)

RunID: HP_Z_080510D-4433526 Units: mg/kg
Analysis Date: 05/11/2008 1:05 Analyst: NW
Preparation Date: 05/09/2008 11:23 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	63.8	95.7	57	150
Surr: n-Pentacosane	1.66	1.77	106	20	154

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050254-01
RunID: HP_Z_080510D-4433538 Units: mg/kg
Analysis Date: 05/11/2008 13:06 Analyst: NW
Preparation Date: 05/09/2008 11:23 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	771	66.6	3960	N/C	66.6	10500	N/C	N/C	50	21	175
Surr: n-Pentacosane	ND	1.66	D	D	1.66	D	D	D	30	20	154

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:12 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Diesel Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** 78831

Method Blank

RunID: HP_Z_080512B-4434360 Units: mg/kg
Analysis Date: 05/12/2008 14:11 Analyst: NW
Preparation Date: 05/10/2008 16:38 Prep By: QMT Method SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	83.2	20-154

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-08B	C12-SW-S
08050489-09B	C12-Bot-9'
08050489-10B	C10-SW-N
08050489-11B	C19-SW-N
08050489-12B	C18-Bot-6'
08050489-13B	C17-SW-S
08050489-14B	C14-Bot-8'
08050489-15B	C15-SW-N
08050489-16B	C13-SW-N
08050489-17B	C14-SW-N
08050489-18B	C15-SW-S
08050489-19B	C13-Bot-12'
08050489-20B	C15-Bot-8'
08050489-21B	C19-SW-W
08050489-22B	C17-SW-N
08050489-23B	C16-Bot-8'
08050489-24B	C16-SW-S
08050489-25B	C16-SW-N
08050489-26B	C18-SW-S
08050489-27B	C18-SW-N

Laboratory Control Sample (LCS)

RunID: HP_Z_080512B-4434361 Units: mg/kg
Analysis Date: 05/12/2008 14:33 Analyst: NW
Preparation Date: 05/10/2008 16:38 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	53.2	79.8	57	150
Surr: n-Pentacosane	1.66	1.71	103	20	154

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-08
RunID: HP_Z_080512B-4434363 Units: mg/kg-dry
Analysis Date: 05/12/2008 15:17 Analyst: NW
Preparation Date: 05/10/2008 16:38 Prep By: QMT Method SW3550B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:13 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Diesel Range Organics** **WorkOrder:** **08050489**
Method: **SW8015B** **Lab Batch ID:** **78831**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	69.6	58.0	83.4	69.6	54.9	78.9	5.58	50	21	175
Surr: n-Pentacosane	ND	1.73	1.7	98.0	1.73	1.61	92.9	5.28	30	20	154

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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5/14/08 4:53:13 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Diesel Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** 78834

Method Blank

RunID: HP_Z_080513B-4433764 Units: mg/kg
Analysis Date: 05/13/2008 1:48 Analyst: NW
Preparation Date: 05/10/2008 17:52 Prep By: QMT Method SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	89.5	20-154

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-28B	C17-Bot-6'
08050489-29B	C19-Bot-5'
08050489-30B	C19-SW-5
08050489-31B	C11-Bot-9'
08050489-32B	C10-Bot-8'
08050489-33B	C11-SW-S
08050489-34B	C9-SW-S
08050489-35B	C9-SW-N
08050489-36B	C9-Bot-8'
08050489-37B	C10-SW-S

Laboratory Control Sample (LCS)

RunID: HP_Z_080513B-4433765 Units: mg/kg
Analysis Date: 05/13/2008 2:10 Analyst: NW
Preparation Date: 05/10/2008 17:52 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	53.9	80.9	57	150
Surr: n-Pentacosane	1.66	1.26	75.9	20	154

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-37
RunID: HP_Z_080513B-4433771 Units: mg/kg-dry
Analysis Date: 05/13/2008 4:25 Analyst: NW
Preparation Date: 05/10/2008 17:52 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	69.9	46.8	62.0	69.9	50.4	67.1	7.27	50	21	175
Surr: n-Pentacosane	ND	1.74	1.07	61.4	1.74	1.18	68.0	10.3	30	20	154

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:14 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Gasoline Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** R236970

Method Blank

RunID: HP_R_080509A-4428516 Units: mg/kg
Analysis Date: 05/09/2008 5:35 Analyst: SFE
Preparation Date: 05/09/2008 5:35 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	96.6	63-142
Surr: 4-Bromofluorobenzene	106.1	50-159

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-01A	C14-SW-S
08050489-02A	C2-SW-N
08050489-03A	C3-SW-N
08050489-04A	C13-SW-S
08050489-05A	C5-Bot-14'
08050489-06A	C11-SW-N
08050489-07A	C12-SW-N
08050489-08A	C12-SW-S
08050489-09A	C12-Bot-9'
08050489-10A	C10-SW-N
08050489-11A	C19-SW-N
08050489-12A	C18-Bot-6'
08050489-13A	C17-SW-S
08050489-14A	C14-Bot-8'
08050489-15A	C15-SW-N
08050489-16A	C13-SW-N
08050489-17A	C14-SW-N
08050489-18A	C15-SW-S
08050489-19A	C13-Bot-12'
08050489-20A	C15-Bot-8'

Laboratory Control Sample (LCS)

RunID: HP_R_080509A-4428515 Units: mg/kg
Analysis Date: 05/09/2008 5:07 Analyst: SFE
Preparation Date: 05/09/2008 5:07 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.04	104	70	130
Surr: 1,4-Difluorobenzene	0.100	0.0945	94.5	63	142
Surr: 4-Bromofluorobenzene	0.100	0.108	108	50	159

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:14 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Gasoline Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** R236970

Sample Spiked: 08050489-01
RunID: HP_R_080509A-4428518 Units: mg/kg-dry
Analysis Date: 05/09/2008 6:32 Analyst: SFE
Preparation Date: 05/08/2008 12:47 Prep By: SFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1.24	1.19	95.5	1.24	1.24	100	4.68	50	26	147
Surr: 1,4-Difluorobenzene	ND	0.124	0.118	95.2	0.124	0.129	104	8.84	30	63	142
Surr: 4-Bromofluorobenzene	ND	0.124	0.134	108	0.124	0.134	108	0.186	30	50	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Gasoline Range Organics **WorkOrder:** 08050489
Method: SW8015B **Lab Batch ID:** R236972

Method Blank

RunID: HP_R_080509B-4428568 Units: mg/kg
Analysis Date: 05/09/2008 19:30 Analyst: SFE
Preparation Date: 05/09/2008 19:30 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	98.7	63-142
Surr: 4-Bromofluorobenzene	99.4	50-159

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-21A	C19-SW-W
08050489-22A	C17-SW-N
08050489-23A	C16-Bot-8'
08050489-24A	C16-SW-S
08050489-25A	C16-SW-N
08050489-26A	C18-SW-S
08050489-27A	C18-SW-N
08050489-28A	C17-Bot-6'
08050489-29A	C19-Bot-5'
08050489-30A	C19-SW-5
08050489-31A	C11-Bot-9'
08050489-32A	C10-Bot-8'
08050489-33A	C11-SW-S
08050489-34A	C9-SW-S
08050489-35A	C9-SW-N
08050489-36A	C9-Bot-8'
08050489-37A	C10-SW-S

Laboratory Control Sample (LCS)

RunID: HP_R_080509B-4428567 Units: mg/kg
Analysis Date: 05/09/2008 19:02 Analyst: SFE
Preparation Date: 05/09/2008 19:02 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.974	97.4	70	130
Surr: 1,4-Difluorobenzene	0.100	0.104	104	63	142
Surr: 4-Bromofluorobenzene	0.100	0.103	103	50	159

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-22
RunID: HP_R_080509B-4428571 Units: mg/kg-dry
Analysis Date: 05/09/2008 20:56 Analyst: SFE
Preparation Date: 05/08/2008 13:11 Prep By: SFE Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:15 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Gasoline Range Organics** **WorkOrder:** **08050489**
Method: **SW8015B** **Lab Batch ID:** **R236972**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1.01	0.955	94.2	1.01	0.954	94.1	0.149	50	26	147
Surr: 1,4-Difluorobenzene	ND	0.101	0.105	104	0.101	0.105	104	0	30	63	142
Surr: 4-Bromofluorobenzene	ND	0.101	0.103	102	0.101	0.102	101	0.691	30	50	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:16 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78755

Method Blank

RunID: L_080508B-4426517 Units: ug/kg
Analysis Date: 05/08/2008 14:02 Analyst: E_G

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	86.0	64-130
Surr: 4-Bromofluorobenzene	94.0	62-130
Surr: Toluene-d8	102.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-20A	C15-Bot-8'
08050489-21A	C19-SW-W
08050489-22A	C17-SW-N
08050489-23A	C16-Bot-8'
08050489-24A	C16-SW-S
08050489-25A	C16-SW-N
08050489-26A	C18-SW-S
08050489-27A	C18-SW-N
08050489-28A	C17-Bot-6'
08050489-29A	C19-Bot-5'
08050489-30A	C19-SW-5
08050489-31A	C11-Bot-9'

Laboratory Control Sample (LCS)

RunID: L_080508B-4426516 Units: ug/kg
Analysis Date: 05/08/2008 13:22 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	21.0	105	66	142
Ethylbenzene	20.0	24.0	120	35	175
Toluene	20.0	25.0	125	59	139
m,p-Xylene	40.0	50.0	125	35	175
o-Xylene	20.0	25.0	125	35	175
Xylenes,Total	60	75	120	35	175
Surr: 1,2-Dichloroethane-d4	50.0	42	84.0	64	130
Surr: 4-Bromofluorobenzene	50.0	49	98.0	62	130
Surr: Toluene-d8	50.0	51	102	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050451-01
RunID: L_080508B-4426519 Units: ug/kg
Analysis Date: 05/08/2008 14:54 Analyst: E_G
Preparation Date: 05/08/2008 13:22 Prep By: E_G Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:17 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08050489**
Method: **SW8260B** **Lab Batch ID:** **78755**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	16.0	79.8	20	16.0	80.2	0	21	66	142
Ethylbenzene	ND	20	18.0	89.8	20	18.0	90.2	0	30	35	175
Toluene	ND	20	18.0	89.8	20	18.0	90.2	0	21	59	139
m,p-Xylene	ND	40.1	37.0	92.3	39.9	36.0	90.2	2.74	30	35	175
o-Xylene	ND	20	18.0	89.8	20	18.0	90.2	0	30	35	175
Xylenes,Total	ND	60	55	91	60	54	90	1.8	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	50.1	46	91.8	49.9	46.0	92.2	0	30	64	130
Surr: 4-Bromofluorobenzene	ND	50.1	51	102	49.9	50.0	100	1.98	30	62	130
Surr: Toluene-d8	ND	50.1	50	99.8	49.9	50.0	100	0	30	70	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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5/14/08 4:53:17 PM

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HOUSTON, TX 77054
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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78804

Method Blank

RunID: L_080509A-4429066 Units: ug/kg
Analysis Date: 05/09/2008 20:06 Analyst: E_G

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	84.0	64-130
Surr: 4-Bromofluorobenzene	94.0	62-130
Surr: Toluene-d8	104.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-32A	C10-Bot-8'
08050489-33A	C11-SW-S
08050489-34A	C9-SW-S
08050489-35A	C9-SW-N
08050489-36A	C9-Bot-8'
08050489-37A	C10-SW-S

Laboratory Control Sample (LCS)

RunID: L_080509A-4429064 Units: ug/kg
Analysis Date: 05/09/2008 19:40 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.0	100	66	142
Ethylbenzene	20.0	22.0	110	35	175
Toluene	20.0	27.0	135	59	139
m,p-Xylene	40.0	44.0	110	35	175
o-Xylene	20.0	22.0	110	35	175
Xylenes,Total	60	66	110	35	175
Surr: 1,2-Dichloroethane-d4	50.0	44	88.0	64	130
Surr: 4-Bromofluorobenzene	50.0	50	100	62	130
Surr: Toluene-d8	50.0	51	102	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050274-49
RunID: L_080509A-4429081 Units: ug/kg-dry
Analysis Date: 05/09/2008 23:34 Analyst: E_G
Preparation Date: 05/08/2008 16:24 Prep By: E_G Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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5/14/08 4:53:18 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78804

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	325	25.8	312	N/C	25.9	299	N/C	N/C	21	66	142
Ethylbenzene	702	25.8	715	N/C	25.9	559	N/C	N/C	30	35	175
Toluene	15.6	25.8	33.8	70.7	25.9	31.2	60.4	8.00	21	59	139
m,p-Xylene	29.9	51.5	67.6	73.2	51.7	55.9	50.3	18.9	30	35	175
o-Xylene	ND	25.8	20.8	70.7	25.9	18.2	60.4	13.3	30	35	175
Xylenes,Total	32.5	77.3	88.4	72.4	77.6	74.1	53.7	17.6	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	64.4	54.6	84.8	64.6	58.5	90.5	6.90	30	64	130
Surr: 4-Bromofluorobenzene	ND	64.4	72.8	113	64.6	70.2	109	3.64	30	62	130
Surr: Toluene-d8	ND	64.4	65	101	64.6	63.7	98.6	2.02	30	70	140

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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5/14/08 4:53:18 PM

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78811

Method Blank

RunID: Q_080509A-4429004 Units: ug/kg
Analysis Date: 05/09/2008 8:49 Analyst: JC

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	88.0	64-130
Surr: 4-Bromofluorobenzene	92.0	62-130
Surr: Toluene-d8	102.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-01A	C14-SW-S
08050489-02A	C2-SW-N
08050489-03A	C3-SW-N
08050489-04A	C13-SW-S
08050489-05A	C5-Bot-14'
08050489-06A	C11-SW-N

Laboratory Control Sample (LCS)

RunID: Q_080509A-4429003 Units: ug/kg
Analysis Date: 05/09/2008 8:21 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.0	100	66	142
Ethylbenzene	20.0	22.0	110	35	175
Toluene	20.0	23.0	115	59	139
m,p-Xylene	40.0	48.0	120	35	175
o-Xylene	20.0	24.0	120	35	175
Xylenes,Total	60	72	120	35	175
Surr: 1,2-Dichloroethane-d4	50.0	43	86.0	64	130
Surr: 4-Bromofluorobenzene	50.0	51	102	62	130
Surr: Toluene-d8	50.0	53	106	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-01
RunID: Q_080509A-4429006 Units: ug/kg-dry
Analysis Date: 05/09/2008 10:17 Analyst: JC
Preparation Date: 05/08/2008 15:12 Prep By: JC Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08050489**
Method: **SW8260B** **Lab Batch ID:** **78811**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	25	22.4	89.5	24.9	21.1	85.0	5.71	21	66	142
Ethylbenzene	ND	25	24.9	99.4	24.9	24.9	100	0	30	35	175
Toluene	ND	25	26.1	104	24.9	24.9	100	4.88	21	59	139
m,p-Xylene	ND	50.1	53.5	107	49.8	52.2	105	2.35	30	35	175
o-Xylene	ND	25	26.1	104	24.9	26.1	105	0	30	35	175
Xylenes,Total	ND	75.1	79.6	106	74.6	78.3	105	1.57	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	62.6	52.2	83.5	62.2	54.7	88.0	4.65	30	64	130
Surr: 4-Bromofluorobenzene	ND	62.6	62.2	99.4	62.2	65.9	106	5.83	30	62	130
Surr: Toluene-d8	ND	62.6	65.9	105	62.2	67.2	108	1.87	30	70	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78813

Method Blank

RunID: Q_080510A-4429745 Units: ug/kg
Analysis Date: 05/10/2008 0:44 Analyst: JC

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	82.0	64-130
Surr: 4-Bromofluorobenzene	100.0	62-130
Surr: Toluene-d8	104.0	70-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-07A	C12-SW-N
08050489-08A	C12-SW-S
08050489-09A	C12-Bot-9'
08050489-10A	C10-SW-N
08050489-11A	C19-SW-N
08050489-12A	C18-Bot-6'
08050489-13A	C17-SW-S
08050489-14A	C14-Bot-8'
08050489-15A	C15-SW-N
08050489-17A	C14-SW-N
08050489-18A	C15-SW-S
08050489-19A	C13-Bot-12'

Laboratory Control Sample (LCS)

RunID: Q_080510A-4429744 Units: ug/kg
Analysis Date: 05/10/2008 0:15 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.0	95.0	66	142
Ethylbenzene	20.0	21.0	105	35	175
Toluene	20.0	21.0	105	59	139
m,p-Xylene	40.0	43.0	108	35	175
o-Xylene	20.0	22.0	110	35	175
Xylenes,Total	60	65	110	35	175
Surr: 1,2-Dichloroethane-d4	50.0	41	82.0	64	130
Surr: 4-Bromofluorobenzene	50.0	48	96.0	62	130
Surr: Toluene-d8	50.0	53	106	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08041877-05
RunID: Q_080510A-4429759 Units: ug/kg
Analysis Date: 05/10/2008 8:16 Analyst: JC
Preparation Date: 05/09/2008 12:50 Prep By: JC Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08050489**
Method: **SW8260B** **Lab Batch ID:** **78813**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	18.0	90.2	19.8	17.0	85.9	5.71	21	66	142
Ethylbenzene	ND	20	20.0	100	19.8	20.0	101	0	30	35	175
Toluene	ND	20	21.0	105	19.8	20.0	101	4.88	21	59	139
m,p-Xylene	ND	39.9	42.0	105	39.6	40.0	101	4.88	30	35	175
o-Xylene	ND	20	21.0	105	19.8	21.0	106	0	30	35	175
Xylenes,Total	ND	60	63	110	59	61	100	3.2	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	49.9	48	96.2	49.5	44.0	88.9	8.70	30	64	130
Surr: 4-Bromofluorobenzene	ND	49.9	50	100	49.5	51.0	103	1.98	30	62	130
Surr: Toluene-d8	ND	49.9	52	104	49.5	52.0	105	0	30	70	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** 78851

Method Blank

RunID: Q_080510D-4429764 Units: ug/kg
Analysis Date: 05/10/2008 16:34 Analyst: JC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-16A	C13-SW-N

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	86.0	64-130
Surr: 4-Bromofluorobenzene	96.0	62-130
Surr: Toluene-d8	94.0	70-140

Laboratory Control Sample (LCS)

RunID: Q_080510D-4429763 Units: ug/kg
Analysis Date: 05/10/2008 16:07 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	22.0	110	66	142
Ethylbenzene	20.0	23.0	115	35	175
Toluene	20.0	24.0	120	59	139
m,p-Xylene	40.0	46.0	115	35	175
o-Xylene	20.0	23.0	115	35	175
Xylenes,Total	60	69	120	35	175
Surr: 1,2-Dichloroethane-d4	50.0	39	78.0	64	130
Surr: 4-Bromofluorobenzene	50.0	51	102	62	130
Surr: Toluene-d8	50.0	52	104	70	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-16
RunID: Q_080510D-4429766 Units: ug/kg-dry
Analysis Date: 05/10/2008 17:30 Analyst: JC
Preparation Date: 05/08/2008 15:46 Prep By: JC Method SW5030B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08050489**
Method: **SW8260B** **Lab Batch ID:** **78851**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20.7	18.6	90.0	20.6	19.7	95.4	5.41	21	66	142
Ethylbenzene	ND	20.7	19.7	95.0	20.6	19.7	95.4	0	30	35	175
Toluene	ND	20.7	19.7	95.0	20.6	18.6	90.4	5.41	21	59	139
m,p-Xylene	ND	41.4	39.4	95.0	41.3	41.4	100	5.13	30	35	175
o-Xylene	ND	20.7	20.7	100	20.6	20.7	100	0	30	35	175
Xylenes,Total	ND	62.2	60.1	96.7	61.9	62.1	100	3.39	30	35	175
Surr: 1,2-Dichloroethane-d4	ND	51.8	41.4	80.0	51.6	48.7	94.4	16.1	30	64	130
Surr: 4-Bromofluorobenzene	ND	51.8	51.8	100	51.6	50.8	98.4	2.02	30	62	130
Surr: Toluene-d8	ND	51.8	50.8	98.0	51.6	46.6	90.4	8.51	30	70	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: SPLP Volatile Organics **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** R237059

Method Blank

RunID: N_080510C-4429933 Units: ug/L
Analysis Date: 05/10/2008 12:34 Analyst: LT

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	96.0	62-130
Surr: 4-Bromofluorobenzene	92.0	70-130
Surr: Toluene-d8	96.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-05B	C5-Bot-14'
08050489-09B	C12-Bot-9'
08050489-12B	C18-Bot-6'
08050489-14B	C14-Bot-8'
08050489-19B	C13-Bot-12'
08050489-20B	C15-Bot-8'
08050489-23B	C16-Bot-8'
08050489-28B	C17-Bot-6'
08050489-29B	C19-Bot-5'
08050489-31B	C11-Bot-9'
08050489-32B	C10-Bot-8'
08050489-36B	C9-Bot-8'

Leachate Blank

RunID: N_080510C-4429934 Units: ug/L
Analysis Date: 05/10/2008 13:00 Analyst: LT

Leach Date: 05/09/2008 0:00 Leach By: GF Method SW1312

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	96.0	62-130
Surr: 4-Bromofluorobenzene	90.0	70-130
Surr: Toluene-d8	96.0	74-122

Laboratory Control Sample (LCS)

RunID: N_080510C-4429932 Units: ug/L
Analysis Date: 05/10/2008 11:57 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	21.0	105	76	126
Ethylbenzene	20.0	16.0	80.0	67	122
Toluene	20.0	19.0	95.0	70	131
m,p-Xylene	40.0	34.0	85.0	72	150
o-Xylene	20.0	18.0	90.0	78	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: SPLP Volatile Organics **WorkOrder:** 08050489
Method: SW8260B **Lab Batch ID:** R237059

Laboratory Control Sample (LCS)

RunID: N_080510C-4429932 Units: ug/L
Analysis Date: 05/10/2008 11:57 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Xylenes,Total	60	52	87	72	150
Surr: 1,2-Dichloroethane-d4	50.0	46	92.0	62	130
Surr: 4-Bromofluorobenzene	50.0	50	100	70	130
Surr: Toluene-d8	50.0	50	100	74	122

Matrix Spike (MS)

Sample Spiked: 08050406-01
RunID: N_080510C-4429936 Units: ug/L
Analysis Date: 05/10/2008 14:45 Analyst: LT

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Benzene	10000	200	10000	N/C	76	127
Ethylbenzene	54.0	200	230	88.0	35	175
Toluene	5500	200	5500	N/C	70	131
m,p-Xylene	210	400	550	85.0	35	175
o-Xylene	100	200	280	90.0	35	175
Xylenes,Total	310	600	830	87	35	175
Surr: 1,2-Dichloroethane-d4	ND	500	500	100	62	130
Surr: 4-Bromofluorobenzene	ND	500	500	100	70	130
Surr: Toluene-d8	ND	500	490	98.0	74	122

Qualifiers:

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E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: PERCENT MOISTURE
Method: D2216
WorkOrder: 08050489
Lab Batch ID: R236760A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-31B	C11-Bot-9'
08050489-32B	C10-Bot-8'
08050489-33B	C11-SW-S
08050489-34B	C9-SW-S
08050489-35B	C9-SW-N
08050489-36B	C9-Bot-8'
08050489-37B	C10-SW-S

Sample Duplicate

Original Sample: 08050489-37
RunID: WET_080508E-4424876 Units: wt%
Analysis Date: 05/08/2008 13:22 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	4.67	4.671	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: **PERCENT MOISTURE** **WorkOrder:** **08050489**
Method: **D2216** **Lab Batch ID:** **R236760B**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-21B	C19-SW-W
08050489-22B	C17-SW-N
08050489-23B	C16-Bot-8'
08050489-24B	C16-SW-S
08050489-25B	C16-SW-N
08050489-26B	C18-SW-S
08050489-27B	C18-SW-N
08050489-28B	C17-Bot-6'
08050489-29B	C19-Bot-5'
08050489-30B	C19-SW-5

Sample Duplicate

Original Sample: 08050489-30
RunID: WET_080508E-4424884 Units: wt%
Analysis Date: 05/08/2008 13:22 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	3.85	4.006	3.92	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**08050489**
Method:	**D2216**	**Lab Batch ID:**	**R236760C**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-11B	C19-SW-N
08050489-12B	C18-Bot-6'
08050489-13B	C17-SW-S
08050489-14B	C14-Bot-8'
08050489-15B	C15-SW-N
08050489-16B	C13-SW-N
08050489-17B	C14-SW-N
08050489-18B	C15-SW-S
08050489-19B	C13-Bot-12'
08050489-20B	C15-Bot-8'

Sample Duplicate

Original Sample:	08050489-20		
RunID:	WET_080508E-4424895	Units:	wt%
Analysis Date:	05/08/2008 13:22	Analyst:	ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	3.5	3.515	0.363	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**08050489**
Method:	**D2216**	**Lab Batch ID:**	**R236760D**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-01B	C14-SW-S
08050489-02B	C2-SW-N
08050489-03B	C3-SW-N
08050489-04B	C13-SW-S
08050489-05B	C5-Bot-14'
08050489-06B	C11-SW-N
08050489-07B	C12-SW-N
08050489-08B	C12-SW-S
08050489-09B	C12-Bot-9'
08050489-10B	C10-SW-N

Sample Duplicate

Original Sample:	08050489-10		
RunID:	WET_080508E-4424906	Units:	wt%
Analysis Date:	05/08/2008 13:22	Analyst:	ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	11.3	11.26	0.664	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:24 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography **WorkOrder:** 08050489
Method: E300.0 MOD **Lab Batch ID:** R236985F

Method Blank

RunID: IC1_080509D-4428746 Units: mg/kg
Analysis Date: 05/09/2008 21:44 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-01B	C14-SW-S
08050489-02B	C2-SW-N
08050489-03B	C3-SW-N
08050489-04B	C13-SW-S
08050489-05B	C5-Bot-14'
08050489-06B	C11-SW-N
08050489-07B	C12-SW-N
08050489-08B	C12-SW-S
08050489-09B	C12-Bot-9'
08050489-10B	C10-SW-N

Laboratory Control Sample (LCS)

RunID: IC1_080509D-4428747 Units: mg/kg
Analysis Date: 05/09/2008 22:00 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	94.08	94.08	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-02
RunID: IC1_080509D-4428752 Units: mg/kg-dry
Analysis Date: 05/09/2008 23:23 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	92.61	223.2	290.7	88.75	223.2	287.6	87.36	1.073	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:25 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography **WorkOrder:** 08050489
Method: E300.0 MOD **Lab Batch ID:** R236985G

Method Blank

RunID: IC1_080509D-4428764 Units: mg/kg
Analysis Date: 05/10/2008 2:40 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-11B	C19-SW-N
08050489-12B	C18-Bot-6'
08050489-13B	C17-SW-S
08050489-14B	C14-Bot-8'
08050489-15B	C15-SW-N
08050489-16B	C13-SW-N
08050489-17B	C14-SW-N
08050489-18B	C15-SW-S
08050489-19B	C13-Bot-12'
08050489-20B	C15-Bot-8'

Laboratory Control Sample (LCS)

RunID: IC1_080509D-4428765 Units: mg/kg
Analysis Date: 05/10/2008 2:56 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	93.90	93.90	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-15
RunID: IC1_080509D-4428771 Units: mg/kg-dry
Analysis Date: 05/10/2008 4:35 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	255.0	417.1	650.1	94.72	417.1	650.2	94.75	0.01604	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:26 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography **WorkOrder:** 08050489
Method: E300.0 MOD **Lab Batch ID:** R237218

Method Blank

RunID: IC1_080510A-4432603 Units: mg/kg
Analysis Date: 05/10/2008 11:53 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-21B	C19-SW-W
08050489-22B	C17-SW-N
08050489-23B	C16-Bot-8'
08050489-24B	C16-SW-S
08050489-25B	C16-SW-N
08050489-26B	C18-SW-S
08050489-27B	C18-SW-N
08050489-28B	C17-Bot-6'

Laboratory Control Sample (LCS)

RunID: IC1_080510A-4432604 Units: mg/kg
Analysis Date: 05/10/2008 12:10 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	90.55	90.55	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-28
RunID: IC1_080510A-4432615 Units: mg/kg-dry
Analysis Date: 05/10/2008 15:11 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	148.6	107.7	267.3	110.2	107.7	267.3	110.2	0.02417	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:26 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography **WorkOrder:** 08050489
Method: E300.0 MOD **Lab Batch ID:** R237291

Method Blank

RunID: IC1_080512A-4433819 Units: mg/kg
Analysis Date: 05/12/2008 20:02 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-29B	C19-Bot-5'
08050489-30B	C19-SW-5
08050489-31B	C11-Bot-9'
08050489-32B	C10-Bot-8'
08050489-33B	C11-SW-S
08050489-34B	C9-SW-S
08050489-35B	C9-SW-N
08050489-36B	C9-Bot-8'
08050489-37B	C10-SW-S

Laboratory Control Sample (LCS)

RunID: IC1_080512A-4433820 Units: mg/kg
Analysis Date: 05/12/2008 20:18 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	100.0	100.6	100.6	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-37
RunID: IC1_080512A-4433834 Units: mg/kg-dry
Analysis Date: 05/13/2008 0:08 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	171.0	419.6	579.9	97.44	419.6	594.5	100.9	2.487	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:27 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography - SPLP **WorkOrder:** 08050489
Method: SW9056 **Lab Batch ID:** R237293S

Method Blank

RunID: IC1_080512B-4433887 Units: mg/L
Analysis Date: 05/13/2008 0:41 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-05B	C5-Bot-14'
08050489-09B	C12-Bot-9'
08050489-12B	C18-Bot-6'
08050489-14B	C14-Bot-8'
08050489-20B	C15-Bot-8'
08050489-23B	C16-Bot-8'
08050489-29B	C19-Bot-5'

Leachate Blank

RunID: IC1_080512B-4433888 Units: mg/L
Analysis Date: 05/13/2008 0:58 Analyst: A_E

Leach Date: 05/09/2008 0:00 Leach By: GF Method SW1312

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_080512B-4433889 Units: mg/L
Analysis Date: 05/13/2008 1:14 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	10.33	103.3	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-05
RunID: IC1_080512B-4433891 Units: mg/L
Analysis Date: 05/13/2008 1:47 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	7.175	10	17.81	106.4	10	16.65	94.77	6.743	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:28 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Wyatt A

Analysis: Ion Chromatography - SPLP
Method: SW9056
WorkOrder: 08050489
Lab Batch ID: R237442

Method Blank

RunID: IC1_080513A-4436206 Units: mg/L
Analysis Date: 05/13/2008 15:57 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050489-19B	C13-Bot-12'
08050489-28B	C17-Bot-6'
08050489-31B	C11-Bot-9'
08050489-32B	C10-Bot-8'
08050489-36B	C9-Bot-8'

Leachate Blank

RunID: IC1_080513A-4436207 Units: mg/L
Analysis Date: 05/13/2008 16:13 Analyst: A_E

Leach Date: 05/09/2008 0:00 Leach By: GF Method SW1312

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_080513A-4436208 Units: mg/L
Analysis Date: 05/13/2008 16:29 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	10.61	106.1	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08050489-28
RunID: IC1_080513A-4436212 Units: mg/L
Analysis Date: 05/13/2008 17:35 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	45.27	40	87.22	104.9	40	97.88	131.5 *	11.52	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

5/14/08 4:53:28 PM

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08050489**	Received By:	**RE**
Date and Time Received:	**5/7/08 10:00:00 AM**	Carrier name:	**SPL**
Temperature:	**2.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?** 1.Client did not mark analysis on page 4 of chain of custody. 2. Received 2-sets of Trip Blanks not listed on chain.	Yes ☐	No ☑	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☐	No ☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

SPL Representative: Agarwal, Bethany A. **Contact Date & Time:** 5/13/08 8:42:00 AM

Client Name Contacted: Charlie Durrett

Non Conformance Issues:

Client Instructions: Revised chain at SPL per cleint instructions via phone call. Do not analyze the trip blanks per clietn request. TAT needed is 7 days.

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08050489 — 278377

page ___ of ___

Client Name: Tetra Tech
Address: 1703 W Industrial Drive
Phone/Fax: 432 686 8081 / 432 686 8085
Client Contact: Charles Durrett Email: charles.durrett@tetratech.com
Project Name/No.: 1558640010
Site Name: Wyatt "A"
Site Location: Lea Hills NM
Invoice To: Maljamar

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Chloride	TPH_{PRO}	TPH_{DRO}	BTEX	$SPLP_{BTEX}$	$SPLP_{Cl}$
C14-SW-S	5/1/08	10:43		X	S	G	4	None	2	X	X	X	X		
C2-SW-N	4/30/08	7:17		↓	↓	↓	↓	↓	↓	X	X	X	X		
C5-SW-N	4/30/08	7:26								X	X	X	X		
C13-SW-S	4/30/08	11:00								X	X	X	X		
C5-Bot-14'	4/30/08	9:12								X	X	X	X		
C11-SW-N	4/29/08	15:11								X	X	X	X	X	X
C12-SW-N	4/29/08	15:59								X	X	X	X		
C12-SW-S	4/29/08	16:04								X	X	X	X		
C12-Bot-9'	4/29/08	16:13								X	X	X	X		
C10-SW-N	4/29/08	14:11								X	X	X	X	X	X
										X	X	X	X		

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 2.5

PM review (initial): TA

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

1. Relinquished by Sampler: [signature] date 5/6/08 time 08:00 — 2. Received by:
3. Relinquished by: date time — 4. Received by:
5. Relinquished by: date 5/7/08 time 1000 — 6. Received by Laboratory: [signature]

☐ 8880 Interchange Drive Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive Traverse City MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 0805 0489 | 278376 | page ___ of ___

Client Name: Tetra Tech
Address: 1703 W Industrial Ave.
Phone/Fax: 432-686-8081 / 432-686-8085
Client Contact: Charles Durrett Email: charles.durrett@tetratech.com
Project Name/No.: 115-6400-10
Site Name: Wyatt "A"
Site Location: Loco Hills NM
Invoice To: Mallamar

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 4G=vial 8=8oz 16=16oz X=other)	pres. (I=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Chloride	TPH DRO	TPH GRO	BTEX	SPLP Btex	SPLP Cl
C19-SW-N	5/2/08	13:22		X	S	G	4	None	2	X	X	X	X		
C18-Bot-6'	5/2/08	12:51								X	X	X	X	X	X
C17-SW-S	5/2/08	10:37								X	X	X	X		
C14-Bot-8'	5/1/08	10:43								X	X	X	X	X	X
C15-SW-N	5/1/08	11:07								X	X	X	X		
C13-SW-N	4/30/08	11:33								X	X	X	X		
C14-SW-N	5/1/08	9:50								X	X	X	X	X	X
C15-SW-S	5/1/08	11:11								X	X	X	X		
C13-Bot-12'	5/1/08	10:01								X	X	X	X		
C15-Bot-8'	5/1/08	11:17		↓	↓	↓	↓	↓	↓	X	X	X	X	X	X

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp: 2.5°C

PM review (initials): PA

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ ___

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

1. Relinquished by Sampler: [signature] date 5/6/08 time 08:00
2. Received by: time
3. Relinquished by: date time
4. Received by:
5. Relinquished by: date 5/7/08 time 1000
6. Received by Laboratory: [signature]

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☐ 459 Hughes Drive
Traverse City MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08050489 | 278379 | page of

Client Name: Tetra Tech

Address: 1703 W. Industrial Ave.

Phone/Fax: 432 686 8081 / 432 686 8085

Client Contact: Charles Durrett Email: charles.durrett@tetratech.com

Project Name/No.: 115840010

Site Name: Wyatt "A"

Site Location: Loco Hills, NM

Invoice To: Mullyanan BA 5/13/08 Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Chloride	TPH DRO	TPH GRO	BTEX	SAR BTEX	SPLP Cl
C11-Bot-9'	4/29/08	15:28		x	S	G	4	None	2	X	X	X	X	X	X
C10-Bot-8'	4/29/08	14:20								X	X	X	X	X	X
C11-SW-5	4/29/08	15:23								X	X	X	X		
C9-SW-5	4/29/08	13:00								X	X	X	X		
C9-SW-N	4/29/08	13:09								X	X	X	X	X	X
C9-Bot-8'	4/29/08	13:13								X	X	X	X		
C10-SW-5	4/29/08	14:01								X	X	X	X		

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp:

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time		
1. Relinquished by Sampler:	5/6/08	08:00	2. Received by:	
3. Relinquished by:	date	time	4. Received by:	
5. Relinquished by:	date 5/7/08	time 1000	6. Received by Laboratory:	

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☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08050489 | 278375 | page ___ of ___

Client Name: Tetra Tech
Address: 1703 W. Industrial Ave
Phone/Fax: 432 686 8081 / 432 686 8085
Client Contact: Charles Durrett Email: charles.durrett@tetratech.com
Project Name/No.: Wyatt "A"
Site Name: 115 8640010
Site Location: Lea Hills, NM
Invoice To: Melrose Ph:

REVISED 5/13/08

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Chloride	TPH DRO	TPH GRO	BTEX	SPLP BTEX	SPLP Cl				
C19-SW-W	5/2/08	13:56		X	S	G	4	None	2	X	X	X	X						
C17-SW-N	5/2/08	10:31		X	S	G	4	None	2	X	X	X	X						
C16-Bot-8'	5/2/08	9:51		X	S	G	4	None	2	X	X	X	X	X	X				
C16-SW-S	5/2/08	9:24		X	S	G	4	None	2	X	X	X	X						
C16-SW-N	5/2/08	9:15		X	S	G	4	None	2	X	X	X	X						
C18-SW-S	5/2/08	12:42		X	S	G	4	None	2	X	X	X	X						
C18-SW-N	5/2/08	12:35		X	S	G	4	None	2	X	X	X	X						
C17-Bot-6'	5/2/08	10:42		X	S	G	4	None	2	X	X	X	X	X	X				
C19-Bot-5'	5/2/08	13:41		X	S	G	4	None	2	X	X	X	X	X	X				
C19-SW-S	5/2/08	13:53		X	S	G	4	None	2	X	X	X	X						

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ ______

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): BA

1. Relinquished by Sampler: [signature] date 5/6/08 time 08:00
2. Received by:
3. Relinquished by: date time
4. Received by:
5. Relinquished by: date 5/7/08 time 10:00
6. Received by Laboratory: [signature]

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 17963

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 17963
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/26/2022