

3R - 428

01/28/2011

GWMR

02/23/2011

3R425



TETRATECH, INC.

Tetra Tech MMI
6121 Indian School NE Suite 200, Albuquerque, NM 87110
Tel 505.237.8440 Fax 505.237.8656 www.tetratech.com

February 23, 2011

Mr. Glenn von Gonten
State of New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED NMOCD
2011 FEB 24 1:04 PM

Subject: San Juan 29-7 Unit 37 Surface Owner Domestic and Livestock Groundwater Well
Sampling Summary Report

Dear Mr. von Gonten:

Tetra Tech, Inc. (Tetra Tech) conducted a groundwater sampling event on January 28, 2011 that included collecting samples from four of San Juan 29-7 Unit 37 surface owner, Mr. Richard Hodgson's private domestic and livestock wells. Results of the sampling event are summarized in the attached Groundwater Sampling Summary. A site location and groundwater well location map has been provided as **Figure I**. Laboratory analytical results have been summarized and provided as **Table I**. Tetra Tech groundwater sampling field forms (**Appendix A**), and a copy of the analytical report (**Appendix B**) are also included.

Please do not hesitate to contact me at (505) 237-8440 if you have any questions or require additional information.

Sincerely,

Kelly Blanchard
Project Manager/Geologist

Cc: Brandon Powell, NMOCD
Terry Lauck, ConocoPhillips, Site PM
Derek Hines, ConocoPhillips, PTRRC Agent
Richard Hodgson, Surface Owner



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GROUNDWATER SAMPLING SUMMARY

- Four groundwater wells: #1 Domestic, #2 Domestic, #3 Livestock, and #4 Livestock were sampled on January 28, 2011 on Mr. Hodgson's property in Rio Arriba County, New Mexico. Locations of the four wells can be seen on **Figure I**.
- All four of the groundwater wells sampled are kept continuously flowing to supply residential housing and livestock watering. Prior to sampling each well, a YSI 556 multi-parameter sonde was used to collect general groundwater parameters such as temperature, pH, conductivity, total dissolved solids (TDS), oxidation-reduction potential (ORP) and dissolved oxygen (DO). These results are included on the Tetra Tech Groundwater Sampling forms attached as **Appendix A**.
- Groundwater samples collected on January 28, 2011 were placed in laboratory prepared bottles, packed on ice, and shipped with chain-of-custody documentation to Southern Petroleum Laboratories (SPL), of Houston, Texas. Samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) by EPA Method 8260B, polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270C, total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) by EPA Method 8015B, and chloride and sulfate by EPA Method 300.0.
- Groundwater collected from #1 Domestic, #2 Domestic, #3 Livestock and #4 Livestock contained no concentrations above laboratory detections limits for BTEX, PAHs, TPH GRO and DRO and therefore are below all New Mexico Water Quality Control Commission standards for these constituents. A summary of all analytical results are included as **Table I**. The complete laboratory analytical report including all quality assurance documentation, as completed by SPL is included as **Appendix B**.

FIGURES

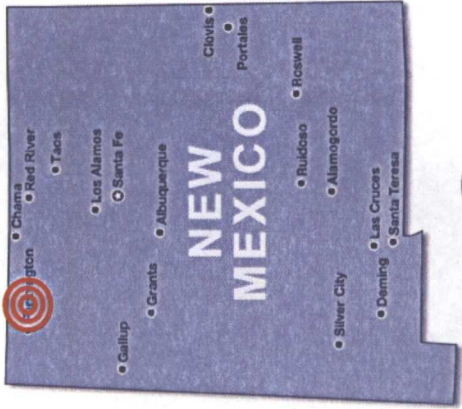
I.) Site Location and Groundwater Well Location Map



FIGURE 1.

Site Location and
Groundwater Well Location Map

ConocoPhillips Company
San Juan 29-7 Unit 37
Rio Arriba County, NM



ConocoPhillips Company
San Juan 29-7 Unit 37 Site
Location
Latitude: 36.73552° N
Longitude: -107.52488° W



Primary Residence of
Mr. Richard Hodgson
Surface Owner



Groundwater Wells

ConocoPhillips



TETRA TECH, INC.

TABLES

I.) Domestic and Livestock Groundwater Laboratory Analytical Results Summary

Table 3. ConocoPhillips Company, San Juan 29-7 Unit 37 - Domestic and Livestock - Groundwater Laboratory Analytical Results Summary

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	PAHs As Listed (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	Chloride (mg/L)	Sulfate (mg/L)
#1 Domestic	1/28/2011	ND	ND	ND	ND	ND	ND	ND	52.7	1790
Duplicate	1/28/2011	ND	ND	ND	ND	NA	NA	NA	NA	NA
#2 Domestic	1/28/2011	ND	ND	ND	ND	ND	ND	ND	30.7	1120
#3 Livestock	1/28/2011	ND	ND	ND	ND	ND	ND	ND	229	2250
#4 Livestock	1/28/2011	ND	ND	ND	ND	ND	ND	ND	34.3	1180
NMWQCC Groundwater Quality Standards		10	750	750	620	VARIOUS	NE	NE	250	600

Notes:
MW = monitoring well
NMWQCC = New Mexico Water Quality Control Commission
Constituents in **BOLD** are in excess of NMWQCC groundwater quality standards
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
GRO = gasoline range organics
DRO = diesel range organics
µg/L = micrograms per liter (parts per billion)
mg/L = milligrams per liter (parts per million)
NA = not analyzed
ND = non detect
NE = not established

APPENDIX A
Groundwater Sampling Field Forms



TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name San Juan 29-7 Unit 37 (Domestic and Livestock Well Sampling)Page 1 of 4Project No. 114-690195Site Location Rio Arriba County, NMSite/Well No. #1 Livestock Coded/
Replicate No. Duplicate @ 1350 Date 1/28/2011Weather Sunny and cold Time Sampling
Began 1330 Time Sampling
Completed 1345

EVACUATION DATA

Description of Measuring Point (MP) No measuring point was determined for this well. Coordinates are 36.714458 N and -107.517899 WHeight of MP Above/Below Land Surface NA Elevation approximately 6242 feet AMSLTotal Sounded Depth of Well Below MP 210 feet bgs Water-Level Elevation unknownHeld Depth to Water Below MP not measureable Diameter of Casing 6"Wet Water Column in Well unknown Gallons Pumped/Bailed
Prior to Sampling approximately 15 gallonsGallons per Foot --Gallons in Well -- Sampling Pump Intake Setting
(feet below land surface) approximately 200 feet bgsPurging Equipment Dedicated pump

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm ³)	TDS (g/L)	DO (mg/L)	DO %	ORP (mV)	Volume (gal.)
1338	8.94	6.91	2205	2.07	5.81	51.3	-2.8	unknown
1340	8.77	6.93	2201	2.074	5.39	47.0	-11.9	unknown
1342	8.74	6.97	2202	2.076	5.03	43.8	-16.9	unknown
1344	8.68	6.97	2200	2.077	5.01	43.6	-19.6	unknown

Sampling Equipment Dedicated pump

Constituents Sampled	Container Description	Preservative
BTEX	(3) 40 mL vials	HCL
PAHs	(2) 32 oz ambers	None
TPH GRO and DRO	(3) 40 mL vials / (2) 32 oz ambers	HCL
Chloride and Sulfate	(1) 1 32 oz plastic	None

Remarks Water was clear. No hydrocarbon odor or sheen observed. Slight sulfur odor observed.Sampling Personnel Christine Mathews

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3 ½" = 0.50	6" = 1.46



TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name San Juan 29-7 Unit 37 (Domestic and Livestock Well Sampling)Page 2 of 4Project No. 114-690195Site Location Rio Arriba County, NMSite/Well No. #2 Domestic Coded/
Replicate No. _____Date 1/28/2011Weather Sunny and cold Time Sampling
Began 1415Time Sampling
Completed 1425

EVACUATION DATA

Description of Measuring Point (MP) No measuring point was determined for this well. Coordinates are 36.715967 N and -107.515454 WHeight of MP Above/Below Land Surface NA Elevation approximately 6260 feet AMSLTotal Sounded Depth of Well Below MP 210 feet bgs Water-Level Elevation unknownHeld _____ Depth to Water Below MP not measureable Diameter of Casing 6"Wet _____ Water Column in Well unknown Gallons Pumped/Bailed
Prior to Sampling water is continuously flowingGallons per Foot —Gallons in Well —Sampling Pump Intake
(feet below land) approximately 200 feet bgsPurging Equipment Dedicated pump

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm ³)	TDS (g/L)	DO (mg/L)	DO %	ORP (mV)	Volume (gal.)
1419	16.05	7.07	779	0.248	4.49	46.3	-13.4	unknown
1420	16.04	7.06	309	0.186	3.82	39.4	-17.6	unknown
1422	16.04	7.04	254	0.604	3.50	36.0	-19.4	unknown

Sampling Equipment Dedicated pumpConstituents SampledContainer DescriptionPreservativeBTEX (3) 40 mL vials HCLPAHs (2) 32 oz ambers NoneTPH GRO and DRO (3) 40 mL vials / (2) 32 oz ambers HCLChloride and Sulfate (1) 1 32 oz plastic NoneRemarks Water was clear. No hydrocarbon odor or sheen observed. Slight sulfur odor observed.Sampling Personnel Christine Mathews

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46



TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name San Juan 29-7 Unit 37 (Domestic and Livestock Well Sampling)Page 3 of 4Project No. 114-690195Site Location Rio Arriba County, NMSite/Well No. #3 LivestockCoded/
Replicate No. _____Date 1/28/2011Weather Sunny and coldTime Sampling
Began 1505Time Sampling
Completed 1515

EVACUATION DATA

Description of Measuring Point (MP) no measuring point was determined for this well. Coordinates are 36.73312 N and -107.52082 WHeight of MP Above/Below Land Surface NAElevation approximately 6314 feet AMSLTotal Sounded Depth of Well Below MP 110 feet bgsWater-Level Elevation unknownHeld _____ Depth to Water Below MP not measureableDiameter of Casing 6"Wet _____ Water Column in Well unknownGallons Pumped/Bailed
Prior to Sampling water is continuously flowingGallons per Foot -Gallons in Well -Sampling Pump Intake Setting
(feet below land surface) approximately 100 feetPurging Equipment Dedicated pump

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm ³)	TDS (g/L)	DO (mg/L)	DO %	ORP (mV)	Volume (gal.)
1509	17.33	7.62	3422	2.607	5.41	57.1	53.9	unknown
1512	17.21	7.55	3413	2.607	5.11	53.7	51.6	unknown
1514	17.15	7.55	3410	2.607	5.09	53.5	52.4	unknown

Sampling Equipment Dedicated pump

Constituents Sampled	Container Description	Preservative
BTEX	<u>(3) 40 mL vials</u>	<u>HCL</u>
PAHs	<u>(2) 32 oz ambers</u>	<u>None</u>
TPH GRO and DRO	<u>(3) 40 mL vials / (2) 32 oz ambers</u>	<u>HCL</u>
Chloride and Sulfate	<u>(1) 1 32 oz plastic</u>	<u>None</u>

Remarks H2O is running slowly but continuously. Water was clear. No hydrocarbon odor or sheen observed. Slight sulfur odor observed.Sampling Personnel Christine Mathews

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3 ½" = 0.50	6" = 1.46



TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name San Juan 29-7 Unit 37 (Domestic and Livestock Well Sampling)Page 4 of 4Project No. 114-690195Site Location Rio Arriba County, NMSite/Well No. #4 LivestockCoded/
Replicate No. Date 1/28/2011Weather Sunny and coldTime Sampling
Began 1550Time Sampling
Completed 1605

EVACUATION DATA

Description of Measuring Point (MP) no measuring point was determined for this well. Coordinates are 36.72069 N and -107.54840 WHeight of MP Above/Below Land Surface NAElevation approximately 6226 feet AMSLTotal Sounded Depth of Well Below MP 210 feet bgsWater-Level Elevation unknownHeld Depth to Water Below MP not measureableDiameter of Casing 6"Wet Water Column in Well unknownGallons Pumped/Bailed
Prior to Sampling water is continuously flowingGallons per Foot --Gallons in Well --Sampling Pump Intake Setting
(feet below land surface) approximately 200 feet bgsPurging Equipment Dedicated pump

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm³)	TDS (g/L)	DO (mg/L)	DO %	ORP (mV)	Volume (gal.)
1556	14.09	7.03	1515	1.309	5.29	55.7	- 44.0	unknown
1558	14.09	6.92	1387	1.179	3.98	39.1	- 32.9	unknown
1600	14.09	6.90	1647	1.194	3.56	35.1	- 26.7	unknown

Sampling Equipment Dedicated pump

Constituents Sampled	Container Description	Preservative
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BTEX	(3) 40 mL vials	HCL
------	-----------------	-----

PAHs	(2) 32 oz ambers	None
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TPH GRO and DRO	(3) 40 mL vials / (2) 32 oz ambers	HCL
-----------------	------------------------------------	-----

Chloride and Sulfate	(1) 1 32 oz plastic	None
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Remarks Water was clear. No hydrocarbon odor or sheen observed. Slight sulfur odor observed.Sampling Personnel Christine Mathews

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46

APPENDIX B
Groundwater Laboratory Analytical Report



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

February 7, 2011

Workorder: H11020002

Kelly Blanchard
Tetra Tech
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: San Juan 29-7 Unit 37
Project Number: San Juan 29-7 Unit 37
Site: Rio Arriba County, New Mexico
PO Number: 4511063168
NELAC Cert. No.: T104704205-09-3

This Report Contains A Total Of 35 Pages

Excluding Any Attachments



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Project: San Juan 29-7 Unit 37
Project Number: San Juan 29-7 Unit 37
Site: Rio Arriba County, New Mexico
PO Number: 4511063168
NELAC Cert. No.: T104704205-09-3

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

Two sets of trip blanks were received with the samples. The trip blanks were logged in for analysis.

II: ANALYSES AND EXCEPTIONS:

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.

SW8270C - Semivolatile Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not analyzed with Batch ID: EXTO/2655. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

SW8015 - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not analyzed with Batch ID: EXTO/2657. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

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)



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Project Number: San Juan 29-7 Unit 37
Site: Rio Arriba County, New Mexico
PO Number: 4511063168
NELAC Cert. No.: T104704205-09-3

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.

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.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Erica Cardenas, Senior Project Manager

Enclosures



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
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Fax: (713) 660-8975

SAMPLE SUMMARY

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H11020002001	#1 Domestic	Water		1/28/2011 13:45	2/1/2011 09:08
H11020002002	#2 Domestic	Water		1/28/2011 14:25	2/1/2011 09:08
H11020002003	#3 Livestock	Water		1/28/2011 15:15	2/1/2011 09:08
H11020002004	#4 Livestock	Water		1/28/2011 16:05	2/1/2011 09:08
H11020002005	Duplicate	Water		1/28/2011 13:50	2/1/2011 09:08
H11020002006	#1 Domestic	Water		1/28/2011 13:45	2/1/2011 09:08
H11020002007	#2 Domestic	Water		1/28/2011 14:25	2/1/2011 09:08
H11020002008	#3 Livestock	Water		1/28/2011 15:15	2/1/2011 09:08
H11020002009	#4 Livestock	Water		1/28/2011 16:05	2/1/2011 09:08
H11020002010	Trip Blank# 1	Water		1/27/2011 00:00	2/1/2011 09:08
H11020002011	Trip Blank# 2	Water		1/27/2011 00:00	2/1/2011 09:08



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002001

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #1 Domestic

Date/Time Collected: 1/28/2011 13:45

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3179 SW-846 8260B on 02/03/2011 14:01 by LKL

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Benzene	ND		1.0	0.13	1		3179
Ethylbenzene	ND		1.0	0.48	1		3179
Toluene	ND		1.0	0.13	1		3179
m,p-Xylene	ND		1.0	0.58	1		3179
o-Xylene	ND		1.0	0.35	1		3179
Xylenes, Total	ND		1.0	0.35	1		3179
4-Bromofluorobenzene (S)	104 %		74-125		1		3179
1,2-Dichloroethane-d4 (S)	93.6 %		70-130		1		3179
Toluene-d8 (S)	100 %		82-118		1		3179

PAH SIM

Analysis Desc: SW-846 8270C SIM

Preparation Batches:

Batch: 2655 SW-846 3510C on 02/01/2011 12:24 by MB2

Analytical Batches:

Batch: 1434 SW-846 8270C SIM on 02/03/2011 13:36 by SBG

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Acenaphthene	ND		0.051	0.012	1		2655 1434
Acenaphthylene	ND		0.051	0.011	1		2655 1434
Anthracene	ND		0.051	0.0061	1		2655 1434
Benzo(a)anthracene	ND		0.051	0.011	1		2655 1434
Benzo(a)pyrene	ND		0.71	0.0092	1		2655 1434
Benzo(b)fluoranthene	ND		0.051	0.016	1		2655 1434
Benzo(g,h,i)perylene	ND		0.051	0.012	1		2655 1434
Benzo(k)fluoranthene	ND		0.051	0.013	1		2655 1434
Chrysene	ND		0.051	0.0089	1		2655 1434
Dibenz(a,h)anthracene	ND		0.051	0.016	1		2655 1434
Dibenzofuran	ND		0.051	0.016	1		2655 1434
Fluoranthene	ND		0.051	0.0059	1		2655 1434
Fluorene	ND		0.051	0.011	1		2655 1434
Indeno(1,2,3-cd)pyrene	ND		0.051	0.019	1		2655 1434
1-Methylnaphthalene	ND		0.051	0.0088	1		2655 1434
2-Methylnaphthalene	ND		0.051	0.0097	1		2655 1434
Naphthalene	ND		0.051	0.0072	1		2655 1434
Phenanthrene	ND		0.051	0.0087	1		2655 1434



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002001

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #1 Domestic

Date/Time Collected: 1/28/2011 13:45

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
							Prep	Analysis
Pyrene	ND		0.051	0.013	1		2655	1434
Nitrobenzene-d5 (S)	81.8 %		10-165		1		2655	1434
2-Fluorobiphenyl (S)	86.4 %		10-123		1		2655	1434
Terphenyl-d14 (S)	79.4 %		10-150		1		2655	1434

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1630 EPA 300.0 on 02/01/2011 11:43 by ESK DF = 10.

Batch: 1631 EPA 300.0 on 02/02/2011 11:56 by ESK DF = 500.

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Chloride	52.7		5.00	1.26	10			1630
Sulfate	1790		250	21.8	500			1631



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002002

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #2 Domestic

Date/Time Collected: 1/28/2011 14:25

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3179 SW-846 8260B on 02/03/2011 14:29 by LKL

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Benzene	ND		1.0	0.13	1		3179
Ethylbenzene	ND		1.0	0.48	1		3179
Toluene	ND		1.0	0.13	1		3179
m,p-Xylene	ND		1.0	0.58	1		3179
o-Xylene	ND		1.0	0.35	1		3179
Xylenes, Total	ND		1.0	0.35	1		3179
4-Bromofluorobenzene (S)	105 %		74-125		1		3179
1,2-Dichloroethane-d4 (S)	92.9 %		70-130		1		3179
Toluene-d8 (S)	101 %		82-118		1		3179

PAH SIM

Analysis Desc: SW-846 8270C SIM

Preparation Batches:

Batch: 2655 SW-846 3510C on 02/01/2011 12:24 by MB2

Analytical Batches:

Batch: 1434 SW-846 8270C SIM on 02/03/2011 14:08 by SBG

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Acenaphthene	ND		0.054	0.013	1		2655 1434
Acenaphthylene	ND		0.054	0.011	1		2655 1434
Anthracene	ND		0.054	0.0065	1		2655 1434
Benzo(a)anthracene	ND		0.054	0.012	1		2655 1434
Benzo(a)pyrene	ND		0.76	0.0098	1		2655 1434
Benzo(b)fluoranthene	ND		0.054	0.017	1		2655 1434
Benzo(g,h,i)perylene	ND		0.054	0.013	1		2655 1434
Benzo(k)fluoranthene	ND		0.054	0.014	1		2655 1434
Chrysene	ND		0.054	0.0095	1		2655 1434
Dibenz(a,h)anthracene	ND		0.054	0.017	1		2655 1434
Dibenzofuran	ND		0.054	0.017	1		2655 1434
Fluoranthene	ND		0.054	0.0063	1		2655 1434
Fluorene	ND		0.054	0.012	1		2655 1434
Indeno(1,2,3-cd)pyrene	ND		0.054	0.020	1		2655 1434
1-Methylnaphthalene	ND		0.054	0.0093	1		2655 1434
2-Methylnaphthalene	ND		0.054	0.010	1		2655 1434
Naphthalene	ND		0.054	0.0077	1		2655 1434
Phenanthrene	ND		0.054	0.0092	1		2655 1434



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002002

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #2 Domestic

Date/Time Collected: 1/28/2011 14:25

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
							Prep	Analysis
Pyrene	ND		0.054	0.014	1		2655	1434
Nitrobenzene-d5 (S)	76.3 %		10-165		1		2655	1434
2-Fluorobiphenyl (S)	82.4 %		10-123		1		2655	1434
Terphenyl-d14 (S)	79 %		10-150		1		2655	1434

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1630 EPA 300.0 on 02/01/2011 11:59 by ESK DF = 10.

Batch: 1631 EPA 300.0 on 02/02/2011 12:12 by ESK DF = 500.

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Chloride	30.7		5.00	1.26	10			1630
Sulfate	1120		250	21.8	500			1631



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002003

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #3 Livestock

Date/Time Collected: 1/28/2011 15:15

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3179 SW-846 8260B on 02/03/2011 12:37 by LKL

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Benzene	ND		1.0	0.13	1		3179
Ethylbenzene	ND		1.0	0.48	1		3179
Toluene	ND		1.0	0.13	1		3179
m,p-Xylene	ND		1.0	0.58	1		3179
o-Xylene	ND		1.0	0.35	1		3179
Xylenes, Total	ND		1.0	0.35	1		3179
4-Bromofluorobenzene (S)	104 %		74-125		1		3179
1,2-Dichloroethane-d4 (S)	92.8 %		70-130		1		3179
Toluene-d8 (S)	102 %		82-118		1		3179

PAH SIM

Analysis Desc: SW-846 8270C SIM

Preparation Batches:

Batch: 2655 SW-846 3510C on 02/01/2011 12:24 by MB2

Analytical Batches:

Batch: 1434 SW-846 8270C SIM on 02/03/2011 14:40 by SBG

Parameters	Results					Batch Information	
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Acenaphthene	ND		0.052	0.012	1		2655 1434
Acenaphthylene	ND		0.052	0.011	1		2655 1434
Anthracene	ND		0.052	0.0062	1		2655 1434
Benzo(a)anthracene	ND		0.052	0.011	1		2655 1434
Benzo(a)pyrene	ND		0.72	0.0093	1		2655 1434
Benzo(b)fluoranthene	ND		0.052	0.016	1		2655 1434
Benzo(g,h,i)perylene	ND		0.052	0.013	1		2655 1434
Benzo(k)fluoranthene	ND		0.052	0.013	1		2655 1434
Chrysene	ND		0.052	0.0090	1		2655 1434
Dibenz(a,h)anthracene	ND		0.052	0.016	1		2655 1434
Dibenzofuran	ND		0.052	0.016	1		2655 1434
Fluoranthene	ND		0.052	0.0060	1		2655 1434
Fluorene	ND		0.052	0.011	1		2655 1434
Indeno(1,2,3-cd)pyrene	ND		0.052	0.019	1		2655 1434
1-Methylnaphthalene	ND		0.052	0.0089	1		2655 1434
2-Methylnaphthalene	ND		0.052	0.0098	1		2655 1434
Naphthalene	ND		0.052	0.0073	1		2655 1434
Phenanthrene	ND		0.052	0.0088	1		2655 1434



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002003

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #3 Livestock

Date/Time Collected: 1/28/2011 15:15

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
							Prep	Analysis
Pyrene	ND		0.052	0.014	1		2655	1434
Nitrobenzene-d5 (S)	78 %		10-165		1		2655	1434
2-Fluorobiphenyl (S)	83.3 %		10-123		1		2655	1434
Terphenyl-d14 (S)	81.5 %		10-150		1		2655	1434

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1630 EPA 300.0 on 02/01/2011 13:20 by ESK DF = 20.

Batch: 1631 EPA 300.0 on 02/02/2011 12:28 by ESK DF = 500.

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Chloride	229		10.0	2.52	20			1630
Sulfate	2250		250	21.8	500			1631



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002004

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #4 Livestock

Date/Time Collected: 1/28/2011 16:05

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3177 SW-846 8260B on 02/03/2011 12:19 by LKT

Parameters	Results					Batch Information		
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Benzene	ND		1.0	0.13	1			3177
Ethylbenzene	ND		1.0	0.48	1			3177
Toluene	ND		1.0	0.13	1			3177
m,p-Xylene	ND		1.0	0.58	1			3177
o-Xylene	ND		1.0	0.35	1			3177
Xylenes, Total	ND		1.0	0.35	1			3177
4-Bromofluorobenzene (S)	96.7 %		74-125		1			3177
1,2-Dichloroethane-d4 (S)	104 %		70-130		1			3177
Toluene-d8 (S)	97.8 %		82-118		1			3177

PAH SIM

Analysis Desc: SW-846 8270C SIM

Preparation Batches:

Batch: 2655 SW-846 3510C on 02/01/2011 12:24 by MB2

Analytical Batches:

Batch: 1434 SW-846 8270C SIM on 02/03/2011 15:12 by SBG

Parameters	Results					Batch Information		
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Acenaphthene	ND		0.052	0.012	1		2655	1434
Acenaphthylene	ND		0.052	0.011	1		2655	1434
Anthracene	ND		0.052	0.0062	1		2655	1434
Benzo(a)anthracene	ND		0.052	0.011	1		2655	1434
Benzo(a)pyrene	ND		0.72	0.0093	1		2655	1434
Benzo(b)fluoranthene	ND		0.052	0.016	1		2655	1434
Benzo(g,h,i)perylene	ND		0.052	0.013	1		2655	1434
Benzo(k)fluoranthene	ND		0.052	0.013	1		2655	1434
Chrysene	ND		0.052	0.0090	1		2655	1434
Dibenz(a,h)anthracene	ND		0.052	0.016	1		2655	1434
Dibenzofuran	ND		0.052	0.016	1		2655	1434
Fluoranthene	ND		0.052	0.0060	1		2655	1434
Fluorene	ND		0.052	0.011	1		2655	1434
Indeno(1,2,3-cd)pyrene	ND		0.052	0.019	1		2655	1434
1-Methylnaphthalene	ND		0.052	0.0089	1		2655	1434
2-Methylnaphthalene	ND		0.052	0.0098	1		2655	1434
Naphthalene	ND		0.052	0.0073	1		2655	1434
Phenanthrene	ND		0.052	0.0088	1		2655	1434



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002004

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #4 Livestock

Date/Time Collected: 1/28/2011 16:05

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
							Prep	Analysis
Pyrene	ND		0.052	0.014	1		2655	1434
Nitrobenzene-d5 (S)	73.4 %		10-165		1		2655	1434
2-Fluorobiphenyl (S)	79.6 %		10-123		1		2655	1434
Terphenyl-d14 (S)	81.7 %		10-150		1		2655	1434

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1630 EPA 300.0 on 02/01/2011 12:32 by ESK DF = 10.

Batch: 1631 EPA 300.0 on 02/02/2011 12:45 by ESK DF = 500.

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Chloride	34.3		5.00	1.26	10			1630
Sulfate	1180		250	21.8	500			1631



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002005

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: Duplicate

Date/Time Collected: 1/28/2011 13:50

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3177 SW-846 8260B on 02/03/2011 13:46 by LKT

Parameters	Results					Batch Information		
	ug/l	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Benzene	ND		1.0	0.13	1			3177
Ethylbenzene	ND		1.0	0.48	1			3177
Toluene	ND		1.0	0.13	1			3177
m,p-Xylene	ND		1.0	0.58	1			3177
o-Xylene	ND		1.0	0.35	1			3177
Xylenes, Total	ND		1.0	0.35	1			3177
4-Bromofluorobenzene (S)	97.7 %		74-125		1			3177
1,2-Dichloroethane-d4 (S)	105 %		70-130		1			3177
Toluene-d8 (S)	97.3 %		82-118		1			3177



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002006

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #1 Domestic

Date/Time Collected: 1/28/2011 13:45

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 2424 SW-846 8015B GRO Gas on 02/02/2011 01:31 by NNM

Parameters	Results					Batch Information		
	mg/l	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			2424
1,4-Difluorobenzene (S)	98.4 %		60-155		1			2424
4-Bromofluorobenzene (S)	99.9 %		50-158		1			2424

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO

Preparation Batches:

Batch: 2657 SW-846 3510C on 02/02/2011 13:28 by A_G

Analytical Batches:

Batch: 2325 SW-846 8015B DRO on 02/03/2011 12:31 by NDW

Parameters	Results					Batch Information		
	mg/l	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Diesel Range Organics (DRO)	ND		0.21	0.021	1		2657	2325
n-Pentacosane (S)	77 %		20-154		1		2657	2325



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002007

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #2 Domestic

Date/Time Collected: 1/28/2011 14:25

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 2424 SW-846 8015B GRO Gas on 02/02/2011 01:59 by NNM

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			2424
1,4-Difluorobenzene (S)	98.7 %		60-155		1			2424
4-Bromofluorobenzene (S)	99 %		50-158		1			2424

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO

Preparation Batches:

Batch: 2657 SW-846 3510C on 02/02/2011 13:29 by A_G

Analytical Batches:

Batch: 2325 SW-846 8015B DRO on 02/03/2011 12:51 by NDW

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Diesel Range Organics (DRO)	ND		0.22	0.023	1		2657	2325
n-Pentacosane (S)	81.5 %		20-154		1		2657	2325



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002008

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #3 Livestock

Date/Time Collected: 1/28/2011 15:15

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 2424 SW-846 8015B GRO Gas on 02/02/2011 02:26 by NNM

Parameters	Results		Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l	Qual					Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			2424
1,4-Difluorobenzene (S)	98.7 %		60-155		1			2424
4-Bromofluorobenzene (S)	99.3 %		50-158		1			2424

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO

Preparation Batches:

Batch: 2657 SW-846 3510C on 02/02/2011 13:29 by A_G

Analytical Batches:

Batch: 2325 SW-846 8015B DRO on 02/03/2011 13:17 by NDW

Parameters	Results		Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l	Qual					Prep	Analysis
Diesel Range Organics (DRO)	ND		0.22	0.022	1		2657	2325
n-Pentacosane (S)	80.1 %		20-154		1		2657	2325



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002009

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: #4 Livestock

Date/Time Collected: 1/28/2011 16:05

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 2424 SW-846 8015B GRO Gas on 02/02/2011 02:53 by NNM

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			2424
1,4-Difluorobenzene (S)	97.2 %		60-155		1			2424
4-Bromofluorobenzene (S)	97.4 %		50-158		1			2424

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO

Preparation Batches:

Batch: 2657 SW-846 3510C on 02/02/2011 13:30 by A_G

Analytical Batches:

Batch: 2325 SW-846 8015B DRO on 02/03/2011 13:46 by NDW

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information	
	mg/l						Prep	Analysis
Diesel Range Organics (DRO)	ND		0.22	0.022	1		2657	2325
n-Pentacosane (S)	76.6 %		20-154		1		2657	2325



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002010

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: Trip Blank# 1

Date/Time Collected: 1/27/2011 00:00

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3177 SW-846 8260B on 02/03/2011 11:50 by LKT

Parameters	Results			MDL	DF	RegLmt	Batch Information	
	ug/l	Qual	Report Limit				Prep	Analysis
Benzene	ND		1.0	0.13	1			3177
Ethylbenzene	ND		1.0	0.48	1			3177
Toluene	ND		1.0	0.13	1			3177
m,p-Xylene	ND		1.0	0.58	1			3177
o-Xylene	ND		1.0	0.35	1			3177
Xylenes, Total	ND		1.0	0.35	1			3177
4-Bromofluorobenzene (S)	96.9 %		74-125		1			3177
1,2-Dichloroethane-d4 (S)	105 %		70-130		1			3177
Toluene-d8 (S)	97.4 %		82-118		1			3177



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ANALYTICAL RESULTS

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID: H11020002011

Date/Time Received: 2/1/2011 09:08

Matrix: Water

Sample ID: Trip Blank# 2

Date/Time Collected: 1/27/2011 00:00

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 3177 SW-846 8260B on 02/03/2011 11:20 by LKT

Parameters	Results			MDL	DF	RegLmt	Batch Information	
	ug/l	Qual	Report Limit				Prep	Analysis
Benzene	ND		1.0	0.13	1			3177
Ethylbenzene	ND		1.0	0.48	1			3177
Toluene	ND		1.0	0.13	1			3177
m,p-Xylene	ND		1.0	0.58	1			3177
o-Xylene	ND		1.0	0.35	1			3177
Xylenes, Total	ND		1.0	0.35	1			3177
4-Bromofluorobenzene (S)	98.4 %		74-125		1			3177
1,2-Dichloroethane-d4 (S)	104 %		70-130		1			3177
Toluene-d8 (S)	97.9 %		82-118		1			3177



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: MSV/3176 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030 Preparation: 02/03/2011 00:00 by LKT
Associated Lab Samples: H11020002004 H11020002005 H11020002010 H11020002011

METHOD BLANK: 92129

Analysis Date/Time Analyst: 02/03/2011 09:53 LKT

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	99.7		74-125
1,2-Dichloroethane-d4 (S)	%	102		70-130
Toluene-d8 (S)	%	97.4		82-118

LABORATORY CONTROL SAMPLE: 92130

Analysis Date/Time Analyst: 02/03/2011 08:52 LKT

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	19.5	97.3	74-123
Ethylbenzene	ug/l	20	17.3	86.4	72-127
Toluene	ug/l	20	16.9	84.6	74-126
m,p-Xylene	ug/l	40	34.2	85.5	71-129
o-Xylene	ug/l	20	17.5	87.3	74-130
Xylenes, Total	ug/l	60	51.66	86.1	71-130
4-Bromofluorobenzene (S)	%			102	74-125
1,2-Dichloroethane-d4 (S)	%			100	70-130
Toluene-d8 (S)	%			93.9	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92131

92132

Original: H11020002004

MS Analysis Date/Time Analyst: 02/03/2011 12:48 LKT

MSD Analysis Date/Time Analyst: 02/03/2011 13:17 LKT

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.6	19.3	103	96.3	70-124	6.7	20
Ethylbenzene	ug/l	ND	20	18.5	17.0	92.5	85.0	35-175	8.5	20
Toluene	ug/l	ND	20	18.6	17.3	92.9	86.7	70-131	6.9	20
m,p-Xylene	ug/l	ND	40	37.0	34.1	92.5	85.3	35-175	8.1	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92131 92132 Original: H11020002004

MS Analysis Date/Time Analyst: 02/03/2011 12:48 LKT

MSD Analysis Date/Time Analyst: 02/03/2011 13:17 LKT

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	18.9	17.5	94.6	87.5	35-175	7.7	20
Xylenes, Total	ug/l	ND	60	55.92	51.62	93.2	86.0	35-175	8.0	20
4-Bromofluorobenzene (S)	%	96.7				107	105	74-125		
1,2-Dichloroethane-d4 (S)	%	104				103	104	70-130		
Toluene-d8 (S)	%	97.8				97.1	95.9	82-118		

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: MSV/3178 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030 Preparation: 02/03/2011 00:00 by LKL
Associated Lab Samples: H11020002001 H11020002002 H11020002003

METHOD BLANK: 92148

Analysis Date/Time Analyst: 02/03/2011 12:07 LKL

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	107		74-125
1,2-Dichloroethane-d4 (S)	%	91.2		70-130
Toluene-d8 (S)	%	102		82-118

LABORATORY CONTROL SAMPLE: 92149

Analysis Date/Time Analyst: 02/03/2011 11:37 LKL

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	19.7	98.5	74-123
Ethylbenzene	ug/l	20	22.3	112	72-127
Toluene	ug/l	20	20.8	104	74-126
m,p-Xylene	ug/l	40	44.4	111	71-129
o-Xylene	ug/l	20	22.4	112	74-130
Xylenes, Total	ug/l	60	66.75	111	71-130
4-Bromofluorobenzene (S)	%			106	74-125
1,2-Dichloroethane-d4 (S)	%			93.2	70-130
Toluene-d8 (S)	%			100	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92150

92151

Original: H11020002003

MS Analysis Date/Time Analyst: 02/03/2011 13:03 LKL

MSD Analysis Date/Time Analyst: 02/03/2011 13:32 LKL

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	18.4	18.7	92.0	93.7	70-124	1.8	20
Ethylbenzene	ug/l	ND	20	20.1	20.4	100	102	35-175	1.4	20
Toluene	ug/l	ND	20	19.1	19.5	95.6	97.7	70-131	2.2	20
m,p-Xylene	ug/l	ND	40	39.3	40.1	98.2	100	35-175	2.0	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92150 92151 Original: H11020002003

MS Analysis Date/Time Analyst: 02/03/2011 13:03 LKL

MSD Analysis Date/Time Analyst: 02/03/2011 13:32 LKL

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	19.8	20.6	99.1	103	35-175	3.7	20
Xylenes, Total	ug/l	ND	60	59.12	60.65	98.5	101	35-175	2.6	20
4-Bromofluorobenzene (S)	%	104				102	103	74-125		
1,2-Dichloroethane-d4 (S)	%	92.8				94.8	93.0	70-130		
Toluene-d8 (S)	%	102				99.0	101	82-118		

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: EXTO/2655 Analysis Method: SW-846 8270C SIM
QC Batch Method: SW-846 3510C Preparation: 02/01/2011 12:23 by MB2
Associated Lab Samples: H11020002001 H11020002002 H11020002003 H11020002004

METHOD BLANK: 91842

Analysis Date/Time Analyst: 02/01/2011 20:25 SBG

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
1-Methylnaphthalene	ug/l	ND		0.050
2-Methylnaphthalene	ug/l	ND		0.050
Acenaphthene	ug/l	ND		0.050
Acenaphthylene	ug/l	ND		0.050
Anthracene	ug/l	ND		0.050
Benzo(a)anthracene	ug/l	ND		0.050
Benzo(a)pyrene	ug/l	ND		0.050
Benzo(b)fluoranthene	ug/l	ND		0.050
Benzo(g,h,i)perylene	ug/l	ND		0.050
Benzo(k)fluoranthene	ug/l	ND		0.050
Chrysene	ug/l	ND		0.050
Dibenz(a,h)anthracene	ug/l	ND		0.050
Dibenzofuran	ug/l	ND		0.050
Fluoranthene	ug/l	ND		0.050
Fluorene	ug/l	ND		0.050
Indeno(1,2,3-cd)pyrene	ug/l	ND		0.050
Naphthalene	ug/l	ND		0.050
Phenanthrene	ug/l	ND		0.050
Pyrene	ug/l	ND		0.050
Nitrobenzene-d5 (S)	%	14.4		10-165
2-Fluorobiphenyl (S)	%	89.4		10-123
Terphenyl-d14 (S)	%	84.6		10-150

LABORATORY CONTROL SAMPLE & LCSD: 91843 91844

LCS Analysis Date/Time Analyst: 02/01/2011 19:21 SBG

LCSD Analysis Date/Time 02/01/2011 19:53 SBG

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
1-Methylnaphthalene	ug/l	0.5	0.377	0.379	75.4	75.8	10-171	0.5	30
2-Methylnaphthalene	ug/l	0.5	0.396	0.383	79.1	76.6	15-175	3.2	30
Acenaphthene	ug/l	0.5	0.438	0.442	87.5	88.4	17-165	1.0	30
Acenaphthylene	ug/l	0.5	0.418	0.375	83.7	75.0	10-161	11.0	30
Anthracene	ug/l	0.5	0.359	0.348	71.8	69.5	10-157	3.3	30
Benzo(a)anthracene	ug/l	0.5	0.352	0.342	70.4	68.5	10-143	2.7	30
Benzo(a)pyrene	ug/l	0.5	0.40	0.40	80.0	80.1	12-136	0.1	30
Benzo(b)fluoranthene	ug/l	0.5	0.353	0.351	70.6	70.2	10-146	0.6	30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

LABORATORY CONTROL SAMPLE & LCSD: 91843 91844

LCS Analysis Date/Time Analyst: 02/01/2011 19:21 SBG

LCSD Analysis Date/Time 02/01/2011 19:53 SBG

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Benzo(g,h,i)perylene	ug/l	0.5	0.408	0.392	81.6	78.4	10-153	4.0	30
Benzo(k)fluoranthene	ug/l	0.5	0.43	0.43	86.0	85.9	10-115	0.1	30
Chrysene	ug/l	0.5	0.452	0.442	90.3	88.4	10-188	2.1	30
Dibenz(a,h)anthracene	ug/l	0.5	0.39	0.37	78.1	74.1	10-159	5.3	30
Dibenzofuran	ug/l	0.5	0.454	0.452	90.7	90.4	30-160	0.3	30
Fluoranthene	ug/l	0.5	0.361	0.341	72.2	68.2	19-190	5.7	30
Fluorene	ug/l	0.5	0.402	0.381	80.3	76.2	18-199	5.2	30
Indeno(1,2,3-cd)pyrene	ug/l	0.5	0.35	0.342	70.1	68.4	10-185	2.5	30
Naphthalene	ug/l	0.5	0.418	0.418	83.5	83.5	18-147	0.0	30
Phenanthrene	ug/l	0.5	0.454	0.448	90.9	89.7	10-193	1.3	30
Pyrene	ug/l	0.5	0.449	0.451	89.8	90.2	10-192	0.4	30
Nitrobenzene-d5 (S)	%				15.1	15.0	10-165		
2-Fluorobiphenyl (S)	%				100	98.8	10-123		
Terphenyl-d14 (S)	%				90.0	90.0	10-150		

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: GCVW/2423 Analysis Method: SW-846 8015B GRO Gas
QC Batch Method: SW-846 5030 Preparation: 02/01/2011 00:00 by GCV
Associated Lab Samples: H11020002006 H11020002007 H11020002008 H11020002009

METHOD BLANK: 91980

Analysis Date/Time Analyst: 02/01/2011 17:41 NNM

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND		0.10
4-Bromofluorobenzene (S)	%	103		50-158
1,4-Difluorobenzene (S)	%	100		60-155

LABORATORY CONTROL SAMPLE: 91981

Analysis Date/Time Analyst: 02/01/2011 18:09 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/l	1.0	0.98	98.0	70-130
4-Bromofluorobenzene (S)	%			106	50-158
1,4-Difluorobenzene (S)	%			105	60-155

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 91988 91989 Original: H11020027001

MS Analysis Date/Time Analyst: 02/01/2011 21:51 NNM

MSD Analysis Date/Time Analyst: 02/01/2011 22:18 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	1.03	0.969	103	96.9	36-160	6.2	36
4-Bromofluorobenzene (S)	%	ND				102	104	50-158		
1,4-Difluorobenzene (S)	%	ND				104	103	60-155		

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: EXTO/2657 Analysis Method: SW-846 8015B DRO
QC Batch Method: SW-846 3510C Preparation: 02/02/2011 13:27 by A_G
Associated Lab Samples: H11020002006 H11020002007 H11020002008 H11020002009

METHOD BLANK: 92002

Analysis Date/Time Analyst: 02/03/2011 11:08 NDW

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Diesel Range Organics (DRO)	mg/l	ND	0.20
n-Pentacosane (S)	%	78.5	20-154

LABORATORY CONTROL SAMPLE & LCSD: 92003 92004

LCS Analysis Date/Time Analyst: 02/03/2011 11:52 NDW

LCSD Analysis Date/Time 02/03/2011 12:11 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics (DRO)	mg/l	1.0	0.717	0.67	71.7	67.0	21-150	6.9	40
n-Pentacosane (S)	%				69.9	72.2	20-154		

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: IC/1630

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples: H11020002001 H11020002002 H11020002003 H11020002004 H11020006001 H11020011001
H11020022001

METHOD BLANK: 91976

Analysis Date/Time Analyst: 02/01/2011 09:50 ESK

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Chloride	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 91977

Analysis Date/Time Analyst: 02/01/2011 10:06 ESK

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Chloride	mg/l	10	9.526	95.3	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 91978 91979 Original: H11020022001

MS Analysis Date/Time Analyst: 02/01/2011 17:38 ESK

MSD Analysis Date/Time Analyst: 02/01/2011 17:55 ESK

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	mg/l	ND	5	4.638	4.664	92.8	93.3	80-120	0.6	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

QC Batch: IC/1631

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples: H11020002001 H11020002002 H11020002003 H11020002004

METHOD BLANK: 92018

Analysis Date/Time Analyst: 02/02/2011 10:35 ESK

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Sulfate	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 92019

Analysis Date/Time Analyst: 02/02/2011 10:52 ESK

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Sulfate	mg/l	10	10.09	101	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92020

92021

Original: H11020002004

MS Analysis Date/Time Analyst: 02/02/2011 13:01 ESK

MSD Analysis Date/Time Analyst: 02/02/2011 13:17 ESK

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Sulfate	mg/l	1180	2500	3802	3919	105	109	80-120	3.0	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



Legend

(S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
*	Recovery/RPD value outside QC limits
+	DCS Concentration
B	Analyte detected in the Method Blank
C	MTBE results were not confirmed by GCMS
D	Recovery out of range due to dilution
E	Results exceed calibration range
H	Exceeds holding time
I	Estimated value, between MDL and PQL (Florida)
J	Estimated value
JN	The analysis indicates the presence of an analyte
MI	Matrix Interference
N	Recovery outside of control limits
NC	Not Calculable (Sample Duplicate)
NC	Not Calculated - Sample concentration > 4 times the spike
ND	Not Detected at reporting Limits
P	Pesticide dual column results, greater than 25%
Q	Received past holding time
TNTC	Too numerous to count
U	Not Detected at reporting Limits



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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H11020002 : San Juan 29-7 Unit 37

Project Number: San Juan 29-7 Unit 37

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H11020002001	#1 Domestic	SW-846 3510C	EXTO/2655	SW-846 8270C SIM	MSSV/1434
H11020002002	#2 Domestic	SW-846 3510C	EXTO/2655	SW-846 8270C SIM	MSSV/1434
H11020002003	#3 Livestock	SW-846 3510C	EXTO/2655	SW-846 8270C SIM	MSSV/1434
H11020002004	#4 Livestock	SW-846 3510C	EXTO/2655	SW-846 8270C SIM	MSSV/1434
H11020002001	#1 Domestic	EPA 300.0	IC/1630		
H11020002002	#2 Domestic	EPA 300.0	IC/1630		
H11020002003	#3 Livestock	EPA 300.0	IC/1630		
H11020002004	#4 Livestock	EPA 300.0	IC/1630		
H11020002006	#1 Domestic	SW-846 8015B GRO Gas	GCVW/2423	SW-846 8015B GRO Gas	GCVW/2424
H11020002007	#2 Domestic	SW-846 8015B GRO Gas	GCVW/2423	SW-846 8015B GRO Gas	GCVW/2424
H11020002008	#3 Livestock	SW-846 8015B GRO Gas	GCVW/2423	SW-846 8015B GRO Gas	GCVW/2424
H11020002009	#4 Livestock	SW-846 8015B GRO Gas	GCVW/2423	SW-846 8015B GRO Gas	GCVW/2424
H11020002006	#1 Domestic	SW-846 3510C	EXTO/2657	SW-846 8015B DRO	GCSV/2325
H11020002007	#2 Domestic	SW-846 3510C	EXTO/2657	SW-846 8015B DRO	GCSV/2325
H11020002008	#3 Livestock	SW-846 3510C	EXTO/2657	SW-846 8015B DRO	GCSV/2325
H11020002009	#4 Livestock	SW-846 3510C	EXTO/2657	SW-846 8015B DRO	GCSV/2325
H11020002001	#1 Domestic	EPA 300.0	IC/1631		
H11020002002	#2 Domestic	EPA 300.0	IC/1631		
H11020002003	#3 Livestock	EPA 300.0	IC/1631		
H11020002004	#4 Livestock	EPA 300.0	IC/1631		
H11020002004	#4 Livestock	SW-846 5030	MSV/3176	SW-846 8260B	MSV/3177
H11020002005	Duplicate	SW-846 5030	MSV/3176	SW-846 8260B	MSV/3177
H11020002010	Trip Blank# 1	SW-846 5030	MSV/3176	SW-846 8260B	MSV/3177
H11020002011	Trip Blank# 2	SW-846 5030	MSV/3176	SW-846 8260B	MSV/3177
H11020002001	#1 Domestic	SW-846 5030	MSV/3178	SW-846 8260B	MSV/3179
H11020002002	#2 Domestic	SW-846 5030	MSV/3178	SW-846 8260B	MSV/3179
H11020002003	#3 Livestock	SW-846 5030	MSV/3178	SW-846 8260B	MSV/3179



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Sample Receipt Checklist

WorkOrder:	H11020002	Received By	LOG
Date and Time	02/01/2011 09:08	Carrier Name:	FEDEXS
Temperature:	2.5°C	Chilled By:	Water Ice

Airbill - Temp: 871147029060-4.0C-57lb/871147029071-3.5C-67lb/

- | | |
|--|----------------|
| 1. Shipping container/cooler in good condition? | YES |
| 2. Custody seals intact on shipping container/cooler? | YES |
| 3. Custody seals intact on sample bottles? | Not Present |
| 4. Chain of custody present? | YES |
| 5. Chain of custody signed when relinquished and received? | YES |
| 6. Chain of custody agrees with sample labels? | NO |
| 1) Received two set of trip blanks but not listed on chain, logged in with analysis. | |
| 7. Samples in proper container/bottle? | YES |
| 8. Samples containers intact? | YES |
| 9. Sufficient sample volume for indicated test? | YES |
| 10. All samples received within holding time? | YES |
| 11. Container/Temp Blank temperature in compliance? | YES |
| 12. Water - VOA vials have zero headspace? | YES |
| 13. Water - Preservation checked upon receipt(except VOA*)? | Not Applicable |

*VOA Preservation Checked After Sample Analysis

SPL Representative:	Elessa Sommers	Contact Date & Time:	2/2/2011 11:37
Client Name Contacted:	Kelly Blanchard		
Client Instructions:	Sent e-mail to client regarding receipt of trip blanks.		



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Client Name: <u>ConocoPhillips</u>		Analyst Request & Chain of Custody Record		SPL, Inc.	
Address: <u>612 Indian School #200</u>		City: <u>Albuquerque</u> State: <u>NM</u> Zip: <u>87102</u>		Phone: <u>505-237-9440</u>	
Client Contact: <u>John Blanchard</u>		Email: <u>jblanchard@conocoPhillips.com</u>		Project Name/No.: <u>San Juan 29-7 Unit 37</u>	
Site Name: <u>Rio Arriba County, NM</u>		Site Location: <u>Carroll Phillips</u>		Ph: <u></u>	
Invoice To: <u>Carroll Phillips</u>	SAMPLE ID	DATE	TIME	comp	grab
#1 Domestic	1/28/11	1345			
#2 Domestic	1/28/11	1345			
#3 Domestic	1/28/11	1345			
#2 Domestic	1/28/11	1425			
#2 Domestic	1/28/11	1425			
#2 Domestic	1/28/11	1425			
#3 Livestock	1/28/11	1515			
#3 Livestock	1/28/11	1515			
#3 Livestock	1/28/11	1515			
#4 Livestock	1/28/11	1605			

Requested TAT	Special Reporting Requirements	Results:	Special Detection Limits (specify):	Intact?	Temp?
☐ 1 Business Day	☐ Level 3 QC	☐ Level 4 QC	☐ IN TRP	☐ LA RECAP	☐ PNI review (initials):
☐ 2 Business Days	☐ Standard				
☒ 3 Business Days					
☐ Other					

5. Relinquished by:	date	time	6. Received by Laboratory:	date	time
<u>John Blanchard</u>	1/31/11	9:00	<u>CONOCO PHILLIPS</u>	1/31/11	1300

Requested Analysis
BTEX
PAHs
Chloride & Sulfate
TPH GRO
TPH DRO

Client/Consultant Remarks:

Laboratory remarks:

8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

450 Hughes Drive
Traverse City MI 49686 (231) 947-5777



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975



Analysis Request & Chain of Custody Record

SPL, Inc.

SPL Workorder No.

306314

11020002 page 2 of 4

Requested Analysis

Client Name: Terra Tech
Address: 6121 Indian School #200
City: Houston, TX State: TX Zip: 77054
Phone/Fax: 281-844-8440
Client Contact: Kelly Blanchard Email: kelly.blanchard@terra-tech.com
Project Name/No.: San Juan 29-7 Unit 137
Site Name: Rio Hondo County, AMH
Site Location: 6121 Indian School
Invoice To: 6121 Indian School
SAMPLE ID: DATE: TIME: comp: grab:

matrix bottle size pres.
W=water S=soil O=oil A=air
SL=sludge E=engine X=other
P=plastic A=amber glass
G=glass V=vial X=other
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other
1=HCl 2=HNO3
3=H2SO4 X=other
Number of Containers

BTX
PAH
Chloride & Sulfate
TPH GRO
TPH DRO

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis
#4 LIVESTOCK	1/28/11	1605	X	X	W	#	1	2	X	
#4 LIVESTOCK	1/28/11	1605	X	X	W	P	1	2	X	
#4 LIVESTOCK	1/28/11	1350	X	X	W	V	40	1	3	X
#4 LIVESTOCK	1/28/11	1345	X	X	W	V	40	1	3	X
#4 LIVESTOCK	1/28/11	1345	X	X	W	V	40	1	3	X
#2 DOMESTIC	1/28/11	1425	X	X	W	V	40	1	3	X
#2 DOMESTIC	1/28/11	1425	X	X	W	V	40	1	3	X
#3 LIVESTOCK	1/28/11	1515	X	X	W	V	40	1	3	X
#3 LIVESTOCK	1/28/11	1515	X	X	W	V	40	1	3	X
#4 LIVESTOCK	1/28/11	1605	X	X	W	V	40	1	3	X

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: ☐ Y ☐ N

Requested TAT

☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☐ Standard
☒ 3 Business Days

☐ Other
☒ Rush TAT requires prior notice

Special Reporting Requirements: Results: Fax ☐ Email ☒ PDF ☒
Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐ TN TRP ☐ LA RUCAP ☐
1. Requisitioned by: [Signature] date: 1/31/11 time: 1300
2. Received by: [Signature] date: 1/31/11 time: 1300
3. Requisitioned by: [Signature] date: 1/31/11 time: 1300
4. Received by: [Signature] date: 1/31/11 time: 1300
5. Relinquished by: [Signature] date: 1/31/11 time: 1300
Received by Laboratory: [Signature] date: 1/31/11 time: 1300
Received by Client: [Signature] date: 1/31/11 time: 1300

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.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

SPL, Inc. Analyst Request & Chain of Custody Record		SPL Workorder No.	
Client Name: <u>Teha Tech</u>		Requested Analysis	
Address: <u>6121 Indian School #200</u>			
City: <u>Albuquerque</u> State: <u>NM</u> Zip: <u>87110</u>			
Phone/Fax: <u>505-237-8440</u>			
Client Contact: <u>Kelly Blanchard</u> Email: <u>kelly.blanchard@teha-tech.com</u>			
Project Name/No.: <u>San Juan 24-7 lat 37</u>			
Site Name:			
Site Location: <u>Rio Arriba County, NM</u>			
Invoice To: <u>Carroll Phillips</u> PI:			
SAMPLE ID:	DATE	TIME	comp
<u>#4 Livestock</u>	<u>1/28/11</u>	<u>1605</u>	<u>X</u>
Matrix W=water S=sol O=oil A=air SL=sludge E=core 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			
<u>TPH DRO</u>			
Special Reporting Requirements Results:			
Requested TAT			
☐ 1 Business Day ☐ Contract			
☐ 2 Business Days ☐ Standard			
☒ 3 Business Days			
☐ Other			
Special Detection Limits (specify):			
1. Relinquished by: <u>[Signature]</u> date: <u>1/31/2011</u> time: <u>1300</u>			
2. Received by:			
3. Relinquished by: <u>[Signature]</u> date: <u>1/31/11</u> time: <u>9:08</u>			
4. Received by:			
5. Relinquished by:			
6. Received by Laboratory: <u>[Signature]</u>			
Client/Consultant Remarks:			
Laboratory remarks:			
Intact? ☐ Y ☐ N			
Temp: ☐ Y ☐ N			
PMI review (initial):			
Requested TAT			
☐ 1 Business Day ☐ Contract			
☐ 2 Business Days ☐ Standard			
☒ 3 Business Days			
☐ Other			
Rush TAT requires prior notice			
☐ 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			