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July 23, 2010

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

> RE: ConocoPhillips Company San Juan 27-5 #34-A - Groundwater Monitoring Report, Rio Arriba County, New Mexico

Dear Mr. von Gonten:

Enclosed please find one copy of the above-referenced document as compiled by Tetra Tech, Inc., for this Rio Arriba County site.

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

Sincerely,

E. Blanchard

Kelly E. Blanchard Project Manager/Geologist

Cc: Brandon Powell, NMOCD

Enclosures (I)

QUARTERLY GROUNDWATER MONITORING REPORT April 2010

CONOCOPHILLIPS COMPANY

SAN JUAN 27-5 No. 34A PRODUCTION FACILITY RIO ARRIBA COUNTY, NEW MEXICO

API # 30-039-23739

Prepared for:

ConocoPhillips

Risk Management and Remediation 420 South Keeler Avenue Bartlesville, OK 74004

Prepared by:



TETRA TECH, INC.

6121 Indian School Rd. NE, Suite 200 Albuquerque, NM 87110 Tetra Tech Project No. 114-690113

June 2010

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- 3. Groundwater Laboratory Analytical Results Summary

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QUARTERLY GROUNDWATER MONITORING REPORT SAN JUAN 27-5 NO. 34A, RIO ARRIBA COUNTY, NEW MEXICO DECEMBER 2009

1.0 INTRODUCTION

This report details the results of quarterly groundwater monitoring completed by Tetra Tech, Inc. (Tetra Tech) on April 8, 2010 at the ConocoPhillips Company San Juan 27-5 No. 34A gas well site in Rio Arriba County, New Mexico (Site). This sampling event represents the fourth quarter of groundwater monitoring conducted by Tetra Tech at the Site.

The Site is located on BLM land outside of Blanco, NM in Section 30, Township 27N, Range 5W, of Rio Arriba County. The location and general features of the Site are presented as **Figures 1** and **2**, respectively. A generalized geologic cross section is presented as **Figure 3**.

I.I Site Background

The historical timeline of the site is summarized in **Table** 1; and is discussed in more detail below.

Hydrocarbon impacts were discovered beneath an aboveground storage tank (AST) during tank removal at the Site on January 30, 2009. Envirotech Inc. of Farmington, NM (Envirotech) was contacted for spill assessment services following the discovery. Envirotech collected a 5-point composite soil sample from beneath the AST; 4 grab soil samples from test holes advanced around the AST; and an additional 5-point composite soil sample collected from "a small area...excavated to approximately 17 [feet] bgs..." (Envirotech, 2009). All soil samples collected were field analyzed for total petroleum hydrocarbons (TPH) using Environmental Protection Agency (EPA) method 418.1, and for organic vapors using a photoionization detector (PID). The 5-point composite soil samples were also sent for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8021, and for TPH analysis by EPA Method 8015. Soil sample results from both 5-point composite samples and from one of the test holes were above recommended action levels; all other samples were below.

On March 3, 2009, Envirotech returned to the Site to continue sampling activities. A 49' x 49' x 20' deep area had been excavated prior to Envirotechs arrival on site. Groundwater was encountered at 20 ft below ground surface (bgs); Envirotech sampled the groundwater for analysis of volatile organic compound (VOC) using EPA method 8260 (Envirotech, 2009). Laboratory results for benzene were found at a concentration above the NMWQCC standard at 96 micrograms per liter (ug/L) in the groundwater sample. Composite soil samples were collected from the bottom of the excavation and from each of the 4 walls; then field analyzed for organic vapors and TPH. All results were below recommended action levels for organic vapors. TPH concentrations were below recommended action levels in all samples excluding one taken from the south wall of the excavation. Subsequently the excavation was continued along the south wall 4 feet further; field TPH analysis on an additional sample was below recommended action levels and excavation activities stopped. Final excavation dimensions were reported at 53 feet by 49 feet by 20 feet deep. Personal communication on July 13, 2009 between Tetra Tech and Wade Hack, ConocoPhillips field manager, revealed that the area of the excavation was

Tetra Tech, Inc.

Quarterly Groundwater Monitoring Report San Juan 27-5 #34A, Rio Arriba County, New Mexico

within the current location of the waste water tank and the AST at the Site [**Figure 2**]. A total of 1,900 cubic yards of impacted soil were removed from the Site and transported to an OCD permitted facility located in Farmington, New Mexico. Envirotech recommended the installation of groundwater monitoring wells to determine "groundwater gradient and the extent of groundwater contamination" (Envirotech, 2009).

Between July 15, 2009 and July 16, 2009, EnviroDrill of Albuquerque, New Mexico installed 4 groundwater monitor wells at the Site under the supervision of Tetra Tech: MW-1, MW-2, MW-3, and MW-4. All wells were drilled using a CME-75 drill rig, hollow stem augers, and split-spoon sampling techniques; 15 feet of .010 polyvinylchloride (PVC) slotted screen was placed in each well.

Tetra Tech began groundwater quality monitoring of the site on July 28, 2009. Most recently, groundwater quality monitoring took place on April 8, 2010. This event marks the fourth consecutive round of quarterly monitoring conducted by Tetra Tech at the Site.

2.0 MONITORING SUMMARY, SAMPLING METHODOLOGY AND RESULTS

2.1 Monitoring Summary

Groundwater Elevation Measurements

On April 8, 2010, groundwater elevation measurements were recorded in Monitor Wells MW-1, MW-2, MW-3 and MW-4. **Table 2** presents the monitor well specifications and groundwater level data. A groundwater elevation contour map is presented as **Figure 4**, and illustrates that groundwater at the Site flows north-northeast. Groundwater flow direction changed slightly from previous monitoring events, possibly due to the installation of stock pond northeast of the site.

Groundwater sampling

Groundwater quality samples were collected from Monitor Wells MW-1, MW-2, MW-3 and MW-4 during the April 8, 2010 groundwater sampling event. Approximately 5 gallons of water, or three well volumes, were purged from each monitor well prior to sampling. A dedicated 1.5-inch polyethylene disposable bailer was used in each well to purge and collect groundwater samples. The purged water was disposed of in the on-site produced water tank (**Figure 2**). Samples were placed in laboratory prepared bottles, packed on ice, and shipped under chain of custody documentation to Southern Petroleum Laboratory located in Houston, Texas. Groundwater samples were analyzed for presence of BTEX by Environmental Protection Agency (EPA) Method 8260B and dissolved manganese by EPA Method 6010B. A historical summary of groundwater analytical results is provided in **Table 3**. Field sampling forms are included as **Appendix A**.

2.2 Groundwater Sampling Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC).

Manganese

Tetra Tech, Inc.

Quarterly Groundwater Monitoring Report San Juan 27-5 #34A, Rio Arriba County, New Mexico

The groundwater quality standard for manganese is 0.2 milligrams per liter (mg/L). Groundwater collected from monitor wells MW-1, MW-2 and MW-3 were found to contain manganese at concentrations of 0.896 mg/L; 2.43 mg/L; and 2.51 mg/L, respectively.

No other analyzed constituents were found above NMWQCC groundwater quality standards in Site monitor wells.

The corresponding laboratory analysis report for the April 2010 groundwater sampling event, including quality control summaries, are included in **Appendix B**.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Tetra Tech recommends continued quarterly groundwater sampling at the Site in order to provide sufficient data for Site closure. Site closure will be requested when groundwater quality results begin to indicate that all constituents of concern are consistently below NMWQCC groundwater quality standards, or are stable and likely representative of site background conditions. Please contact Kelly Blanchard at 505-237-8440 or kelly.blanchard@tetratech.com if you have any questions or require additional information.

4.0 **REFERENCES**

Envirotech Incorporated (2009). Burlington Resources Spill Closure Report Located at San Juan 27-5 #34A, Section 30, Township 27N, Range 5W, Rio Arriba County, New Mexico. Prepared for ConocoPhillips Company. Report Dated March 20, 2009. 3 pp (not including Figures, Tables, and Appendices).

FIGURES

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TABLES

Table 1. Site History Tetra Tech, Inc. ConocoPhillips Company San Juan 27-5 No. 34A

DATE	ACTIVITY
January 30, 2009	Hydrocarbon impacts are visually confirmed during tank removal at the Site. Envirotech Inc. of Farmington, New Mexico (Envirotech) conduct spill assessment and initial soil sampling.
March 3, 2009	Envirotech oversees soil excavation at the Site. Final dimensions of excavated area are 53'x49'x20' deep. Groundwater is encountered at 20' bgs and sampled. Laboratory results for benzene were found at a concentration of 95.6 micrograms per liter (ug/L)
March 20, 2009	Envirotech excavation report states that a total of 1,900 cubic yards of soil was removed from the Site and transported to an OCD-permitted facility in Farmington, NM. Envirotech recommended the installation of groundwater monitoring wells at the Site (Envirotech, 2009).
April 2, 2009	Tetra Tech visits the Site visit to determine placement of proposed groundwater monitoring wells.
July 15, 2009 & July 16, 2009	Four groundwater monitor wells are installed by EnviroDrill under the supervision of Tetra Tech (MW-1, MW-2, MW-3, MW-4).
July 28, 2009	Baseline groundwater monitoring event was conducted at the Site by Tetra Tech.
September 29, 2009	Quarterly groundwater monitoring event conducted at the Site by Tetra Tech.
December 15, 2009	Quarterly groundwater monitoring event conducted at the Site by Tetra Tech.
April 8, 2010	Quarterly groundwater monitoring event conducted at the Site by Tetra Tech.

1 of 1

Well ID	Total Depth (ft bgs)	Screen Interval (ft)	*Elevation (ft) (TOC)	Date Measured	Depth to Groundwater (ft below TOC)	Relative Groundwater Elevation
				7/28/2009	23.21	74.23
M/M_1	33.22	18 73 - 33 73	07 14	9/29/2009	23.88	73.56
MVV-1 33.22	10.75 - 55.75	57.44	12/15/2009	24.15	73.29	
				4/8/2010	21.76	75.68
				7/28/2009	22.72	74.06
	24.25	15.00 - 30.00	96.78	9/29/2009	23.40	73.38
1/1/1/2 34.35	54.55			12/15/2009	23.66	73.12
					4/8/2010	21.21
				7/28/2009	22.84	74.40
	22.15	17.55 - 32.55	07.24	9/29/2009	23.54	73.70
	33.15		97.24	12/15/2009	23.80	73.44
				4/8/2010	21.22	76.02
				7/28/2009	22.62	74.61
	22.65	17 60 22 60	97.23	9/29/2009	23.31	73.92
10100-4	32.00	17.00 - 32.00		12/15/2009	23.57	73.66
				4/8/2010	21.25	75.98

Table 2. Groundwater Elevation Data Summary - ConocoPhillips Company San Juan 27-5 No. 34

ft = Feet TOC = Top of casing

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bgs = below ground surface * Elevation relative to wellhead, set at an arbitrary 100 feet.

Well ID	Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)	Dissolved Manganese (mg/L)	Total Dissolved Solids (mg/L)
	7/28/2009	< 5	< 5	< 5	< 5	NA	NA
MW-1	9/29/2009	< 1	< 1	< 1	< 1	0.694	NA
	12/15/2009	<1	<1	<1	<1	0.576	NA
	4/8/2010	<1	<1	<1	· <1	0.896	640
	7/28/2009	< 5	< 5	< 5	< 5	NA	NA
MW-2	9/29/2009	< 1	< 1	< 1	< 1	1.38	NA
	12/15/2009	<1	<1	<1	<1	1.92	NA
	4/8/2010	<1	<1	<1	<1	2.43	700
	7/28/2009	< 5	< 5	< 5	< 5	NA	NA
MW-3	9/29/2009	< 1	< 1	< 1	< 1	1.7	NA
1111-0	12/15/2009	<1	<1	<1	<1	2.04	NA
	4/8/2010	<1	<1	<1	<1	2.51	525
	7/28/2009	< 5	< 5	< 5	< 5	NA	NA
MW-4	9/29/2009	< 1	< 1	< 1	< 1	0.269	NA
	12/15/2009	<1	<1	<1	<1	0.0579	NA
	4/8/2010	<1	<1	<1	<1	0.121	684
NMWQCC	Standards	10 (µg/L)	750 (µg/L)	750 (µg/L)	620 (µg/L)	0.2 (mg/L)	1000 (mg/L)

Table 3. Groundwater Laboratory Analytical Results Summary - ConocoPhillips Company San Juan 27-5 No. 34A

Explanation

ND = Not Detected

NMWQCC = New Mexico Water Quality Control Commission

mg/L = milligrams per liter (parts per million)

 μ g/L = micrograms per liter (parts per billion)

NA = Not Analyzed

<0.7 = Below laboratory detection limit of 0.7 ug/L

Bold = concentrations that exceed the NMWQCC limits

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APPENDICES

APPENDIX A

Groundwater Sampling Field Forms

	TE TETRA	TECH, INC.	WA	TER SAMPI		FORM		
	Project Name	SanJu	van 27-5 =	#34A		Page	,)	of 4
	Project No.		. 			Ū		
	Site Location							
	Site/Well No.	MW-1	Coded/ Replicate No.	Dupe	1055	Date	4-8-1	0
	Weather	Sinny, cool	Time Sampling Began	1030		Time Samplir Completed	9 103	5 1050
		ł	EVA		4 .			
	Description of	Measuring Point (MF	Top of Casing					
	Height of MP A	Above/Below Land S	urface		MP Elevation			
	Total Soundec	Depth of Weil Below	MP 33,22		Water-Level Ele	vation		
•	Held	_Depth to Water Belo	DW MP 21,76	[Diameter of Cas Gallons Pumper	ing /Bailed		
	Wet	_ Water Column i	n Well	<u>) </u>	Prior to Samplin	g	5.15	
		Gallons pe	er Foot		Sampling Pump	Intake Setting		
		Gallons i	n Well	343 (feet below land	surface)		<u></u>
	Purging Equip	ment Purge pun	np / Bailer	= 5.50%	b			
			SAMPLING D	ATA/FIELD PAR	AMETERS			\$ aC77
5.2	1045		T163	124	105 (g/L)	<u>LO (mg/L)</u>	-72.3	57.6
j.51	1047	12.76	7.57	931	.606	7.24	-74.7	30.3
0110				· · · · ·				2011
	Samoling Equi	inment				<u> </u>		
	Constitu		<u>raige raing baller</u>	inor Doporintion		· · · · · · · · · · · · · · · · · · ·	Proconvotivo	
	DTEV			Inter Description		ЦСІ	<u>rieseivauve</u>	
	Diccolumed	IM in.			<u></u>			
-	TNS	. vitth				·		
		• • • • • • • • • • • • • • • • • • •	Ver1		.			
	Remarks	HO Kd	ear to light	pravo.	no ador	: no sh	oen	
	Sampling Pers	sonnel B. Jai	ICHPS 94.1	nathers	\		- - •	
					· · · · · · · · · · · · · · · · · · ·			
			N	ell Casing Volu	imes			
		Gal./tt. 1 ¼" = 1 ½" =	U.077 2" 0.10 2 ½"	= 0.16 = 0.24	3" = 3" ½ =	0.37	4" = 0.65 6" = 1.46	
	R\Share	Maxim Forms\Field Form	s\SK1E Water Sampling Field	Forms_xis			<u> </u>	

TE TETRA	TECH, INC.	WATER	SAMPLING FIEL	D FORM	
Project Name	SanJuan	257-5-344		Page	e of
Project No.					
Site Location					
Site/Well No.	MW-2	Coded/ Replicate No.		Date	4-8-10
Weather	sunny, eool	Time Sampling Began	0930	Time Samplir Completed	¹⁹ 1020
	•	EVACUAT	ION DATA		
Description of	Measuring Point (MP <u>Top</u>	of Casing			·
Height of MP A	bove/Below Land Surface)	MP Elevation		
Total Sounded	Depth of Well Below MP	34.35	Water-Level E	levation	
Həld	Depth to Water Below MI	21.21	Diameter of Ca	asing	
Wet	Water Column in We	13.14	Gallons Pump Prior to Sampi	ed/Bailed	.25
	Gallons per Foo	t •16	· · ·	•	
	Gallons in We	2.10×3	Sampling Purr (feet below lar	p Intake Setting) · ·
Purging Equipr	ment Purge pump / B	ailer) = 6	,307		
Time		SAMPLING DATA/F			
				<u> </u>	- 39.2 42.0
020	12.99	7.58 1041	.676	3.67	-63.7 JU.8 -67.0 39.3
Sampling Equi	pment <u>Pur</u> ç	ge Pump/Bailer)		······································	····
Constitu	ents Sampled	Container D	escription		Preservative
BTEX	······································	3 40mL VOA's	· · · · · · · · · · · · · · · · · · ·	HCI	
Dissolved	MO				
Remarks	DNC Lib G	allons, that is	Clar, no a	lor, no st	Van
Sampling Pers	onnel <u>(</u> Matr	eus 7B.L	arctes		<u></u>
		Well Ca	sing Volumes		
	Gal./ft. 1 ¼" = 0.07 1 ½" = 0.10	$7 2" = 0.16 2 \frac{1}{2}" = 0.24$	3° ≈ 4 3° ½ ≈	= 0.37 = 0.50	4" = 0.65 6" = 1.46
R:\Shara	Maxim Forms/Field Forms/Skith	Water Sampling Field Forms	xis	· . • • •	

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TE TET	RA TECH, INC.	WATE	R SAMPLING FIE	LD FORM	
Project Nam	10 SAN JUL	in 27.5 #	34A	Page	3_ of 4
Project No.				•	
Site Location	n				
Site/Well No	<u></u>	Coded/ Replicate No.		Date	1-8-10
Weather	sunny, cool	Time Sampling Began	09.45	Time Samplir Completed	¹⁹ 1005
	1,	EVACU	JATION DATA		
Description	of Measuring Point (MP <u>T</u>	op of Casing			<u>.</u>
Height of MF	P Above/Below Land Surf	ace	MP Elevation	ו <u> </u>	
Total Sound	ed Depth of Well Below M	AP 33.15	Water-Level	Elevation	
Held	Depth to Water Below	MP 21,22	Diameter of	Casing	
Wet	Water Column in V	Well 43	Prior to Sam	pling	5.5 gallans
	Gallons per F	=oot6908			0
	Gallons in V	VellX3	= 5,726 (feet below la	and surface)	· · · · · · · · · · · · · · · · · · ·
Purging Equ	ipment Purge pump	Bailer			<u></u>
N	·····	SAMPLING DAT	A/FIELD PARAMETERS		
4,5 957	Temperature (°C)	PH Conductiv	rity (µS/cm ³) TDS (g/L -577) DO (mg/L) 4,80	ORP (mV) 1020 14.1 31.5
5.0 959	13.17	7.52 85	7 .558	3.52	-34.3 33.0
6.50 1001	13,24	7.60 84	.547	2.58	-61.1 27.2
Sampling Ec	quipment P	Purge Pump(Bailer)			
Cons	tituents Sampled	Containe	r Description		Preservative
BTEX	·	3 40mL VOA's		HCI	×
Dissolve	d Mn		·		<u>.</u>
TDS		1			······
Romarke			. ·		
Sampling Pe	arsonnel				· .
Gampingre					
		Well	Casing Volumes		
	Gal./ft. $1 \frac{1}{2}$ " = 0. $1 \frac{1}{2}$ " = 0.	$\begin{array}{rcl} 077 & 2" &= 0\\ 10 & 2\frac{1}{2}" &= 0\\ \end{array}$).16 3").24 3" ½	= 0.37 = 0.50	4" = 0.65 6" = 1.46
R:\Sh	are\Maxim Forms\Field Forms\S	K1E Water Sampling Field Fo	ms.xls		
	5.0				

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TETRA TECH, INC.	WATEF	R SAMPLING FIE	LD FORM
Project Name San Juan	27.5#34	4	Page 4 of 4
Project No.		· · · · · · · · · · · · · · · · · · ·	
Site Location	· · · · ·		
Site/Well No	Coded/ Replicate No.		Date 4-8-10
Weather SUMMY (CO)	Time Sampling Began	(2930	Time Sampling Completed
1	EVACUA	TION DATA	
Description of Measuring Point (MPTop	of Casing		·····
Height of MP Above/Below Land Surface		MP Elevation	
Total Sounded Depth of Well Below MP	32,65	Water-Level 8	Elevation
Held Depth to Water Below MF	21.25	Diameter of C	asipg ~~~
Wet Water Column in Wel	11,4	- Gallons Pump Prior to Samp	bed (Bailed.)
Gallons per Foo	t .16	. .	
	1,874 8	Sampling Pur	np Intake Setting nd surface)
Burging Equipment Burge pump	===	<u>、</u> しつ 、しつ	
Purging Equipment Purge pump / B			
Time Temperature (°C)	pH Conductivity	FIELD PARAMETERS (µS/cm ³) TDS (g/L)	- DO (mg/L) ORP (mV) DO
		659	3.80 -46.8 34.5
1105 12.69	1.85 103	2 .789	2.34 -61.2 31.7
Sampling Equipment			
Constituents Sampled	<u>Container l</u>	Description	Preservative
BTEX	3 40mL VOA's		HCI
Dissolved Mn	·		
TDS	·		
Bomate Dril @ 250	allar		
Remains Dig 200	$r \leq r m$	Jan	·····
Sampling Personnel		IFHEND	
	Well C	asing Volumes	
Gal./ft. 1 ¼" = 0.07	7 2" = 0.1	l6 3"	= 0.37 $4'' = 0.65$
$1 / 2^{-} = 0.10$	Z ½" = 0.2	×4 3 [°] /2	

APPENDIX B

Groundwater Laboratory Analysis Report



Phone: (713) 660-0901 Fax: (713) 660-8975

Kelly Blanchard Project: San Juan 27-5 #34A Tetra Tech Project: Number: Suite 200 Site: Rio Arriba County Albuquerque, NM 87110 PO Number: ENFOS NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 18 Pages

Excluding Any Attachments

Report ID: H10040210_6089 Printed: 05/10/2010 09:35



Phone: (713) 660-0901 Fax: (713) 660-8975

	Certificate of Analysis
May 10, 2010	Workorder: H10040210
Kelly Blanchard	Project: San Juan 27-5 #34A
Tetra Tech 6121 Indian School Road NE	Project Number:
Suite 200 Albuquerque, NM 87110	Site: Rio Arriba County
	PO Number: ENFOS
	NELAC Cert. No.: T104704205-09-1

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.

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.

There were no exceptions noted.

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) 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.

Report ID: H10040210_6089 Printed: 05/10/2010 09:35



Phone: (713) 660-0901 Fax: (713) 660-8975

	Certificate of Analysis
May 10, 2010	Workorder: H10040210
Kelly Blanchard	Project: San Juan 27-5 #34A
letra lech 6121 Indian School Road NE	Project Number:
Suite 200 Albuquerque, NM 87110	Site: Rio Arriba County
······································	PO Number: ENFOS
	NELAC Cert. No.: T104704205-09-1

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



Phone: (713) 660-0901 Fax: (713) 660-8975

Project Number:

SAMPLE SUMMARY

Workorder: H10040210 : San Juan 27-5 #34A

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H10040210001	MW-1	Water		4/8/2010 10:50	4/10/2010 09:30
H10040210002	MW-2	Water		4/8/2010 10:20	4/10/2010 09:30
H10040210003	MW-3	Water		4/8/2010 10:05	4/10/2010 09:30
H10040210004	MW-4	Water		4/8/2010 11:05	4/10/2010 09:30
H10040210005	Duplicate	Water		4/8/2010 10:55	4/10/2010 09:30
H10040210006	Trip Blank	Water		4/9/2010 15:30	4/10/2010 09:30

Page 4 of 18



Phone: (713) 660-0901 Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H10040210 : San Juan 27-5 #34A

Project Number:

Lab ID:	H10040210001	Date/Time Received:	4/10/2010 09:30	Matrix:	Water
Sample ID:	MW-1	Date/Time Collected:	4/8/2010 10:50		

WET CHEMISTRY

Residue, Filterable (TDS)	640	10.0	3.94	1		1555
Parameters	Results mg/l Qual	Report Limit	MDL	DF	RegLmt Prep	Analysis
Analysis Desc: SM 2540 C	Analytical Batches: Batch: 1555, SM 2540 C c	on 04/13/2010 18:50	by CFS			

ICP DISSOLVED METALS

Manganese	0.896	0.00500	0.000300	1		1656	1354
Parameters	mg/l Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
	Results					Batch In	formation
	Batch: 1354 SW-846 6010	B on 04/21/201	0 02:02 by EB0	3			
	Analytical Batches:				Sectors		
	Batch: 1656 SW-846 3010	0A on 04/12/201	0 15:30 by R_\	1		20.4	in all a
Analysis Desc: SW-846 6010B	Preparation Batches:			- Grander			

Analysis Desc: SW-846 8260B	SW-846 5030Analytical Batches:							
	Batch: 1747 SW-846 826	0B on 04/13/2010 0	7:23 by JM	2				
	Results					Batch Information		
Parameters	ug/l Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis		
Benzene	ND	1.0	. 0.10	1		1747		
Ethylbenzene	ND	1.0	0.15	1		1747		
Toluene	ND	1.0	0.29	1		1747		
m,p-Xylene	ND	. 1.0	0.18	1		1747		
o-Xylene	ND	· 1.0	0.13	1		1747		
Xylenes, Total	ND	1.0	0.13	1		1747		
4-Bromofluorobenzene (S)	94.1 %	74-125		1		1747		
1,2-Dichloroethane-d4 (S)	98.7 %	70-130		1		1747		
Toluene-d8 (S)	106 %	82-118		1		1747		



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Project Number:

ANALYTICAL RESULTS

Workorder: H10040210 : San Juan 27-5 #34A

Lab ID:	H10040210002	Date/Time Received:	4/10/2010 09:30	Matrix:	Water
Sample ID:	MW-2	Date/Time Collected:	4/8/2010 10:20		,

WET CHEMISTRY

Analysis Desc: SM 2540 C Ana	lytical Batches:						
Bate	ch: 1555 SM 2540 C o	n 04/13/2010 18:50	by CFS				
							144
	Results	100 C				Batch Inf	ormation
Parameters	mg/i Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Residue, Filterable (TDS)	700	10.0	3.94	1			1555

ICP DISSOLVED METALS

Manganese	2.43	0.00500	0.000300	1		1656	1354
Parameters	mg/l Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
	Results					Batch In	formation
			Э.				7845
	Batch: 1354 SW-846 6010	0B on 04/21/201	0 02:53 by EB	G			
	Analytical Batches:						
	Batch: 1656 SW-846 3010	0A on 04/12/2010	0 15:30 by R_	V		2	
Analysis Desc: SW-846 6010B	Preparation Batches:						10.00

Analysis Desc: SW-846 8260B	SW-846 5030Analytical Ba	atches:				
	Batch: 1747 SW-846 826	0B on 04/13/2010 0	7:51 by JM	C	in Carolia -	
Parameters	Results	Report Limit	MDL	DF	RegLmt	Batch Information Prep Analysis
Banzana	ND	10	0.10	1		1747
Ethylbenzene	ND	1.0	0.15	. 1		1747
Toluene	ND	1.0	0.29	1		1747
m,p-Xylene	ND	_ 1.0	0.18	1		1747
o-Xylene	ND	1.0	0.13	1		1747
Xylenes, Total	ND	1.0	0.13	1		1747
4-Bromofluorobenzene (S)	93.4 %	74-125		1		1747
1,2-Dichloroethane-d4 (S)	103 %	70-130		1		1747
Toluene-d8 (S)	105 %	82-118		1		1747



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ANALYTICAL RESULTS

Workorder: H10040210 : San Juan 27-5 #34A

Project Number:

Lab ID:	H10040210003		Date/Time Received:	4/10/2010 09:30	Matrix:	Water
Sample ID:	MW-3	•	Date/Time Collected:	4/8/2010 10:05		

WET CHEMISTRY

Analysis Desc: SM 2540 C	Analytical Batches:						
	Batch: 1555 SM 2540 C o	n 04/13/2010 18:50	by CFS				
	Doculto					Ratch In	formation
Parameters	mg/i Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Residue, Filterable (TDS)	525	10.0	3.94	1			1555

ICP DISSOLVED METALS

Manganese	2.51	0.00500	0.000300	1		1656	1354
Parameters	mg/I Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
and the third of the second state that it	Results					Batch In	formation
	Batch: 1354 SW-846 6010)B on 04/21/201	0 02:58 by EB	G			and a second
	Analytical Batches:		E.				
and the second	Batch: 1656 SW-846 3010	A on 04/12/201	0 15:30 by R_	V			
Analysis Desc: SW-846 6010B	Preparation Batches:						

Analysis Desc: SW-846 8260B	SW-846.5030Analytical Ba	tches:	έ.				
	Batch: 1747 SW-846 8260B on 04/13/2010 08:18 by JMC						
Paramélers	Results	Report Limit	MDI	DE	Real mt	Batch Information Prep Analysis	
Benzene	ND	1.0	0.10	1		1747	
Ethylbenzene	ND	1.0	0.15	1		1747	
Toluene	ND	1.0	0.29	1		. 1747	
m,p-Xylene	ND	1.0	0.18	1		1747	
o-Xylene	ND	1.0	0.13 -	1		1747	
Xylenes, Total	ND	1.0	0.13	1		1747	
4-Bromofluorobenzene (S)	92 %	74-125		1		1747	
1,2-Dichloroethane-d4 (S)	101 %	70-130		1		1747	
Toluene-d8 (S)	103 %	82-118		1		. 1747	



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ANALYTICAL RESULTS

Workorder:	H10040210 : San Juan 27-5	5 #34A				Project Number:
Lab ID:	H10040210004	Date/Time	e Received: 4/10/	/2010 09:30	Matrix:	Water
Sample ID:	MW-4	Date/Time	e Collected: 4/8/2	2010 11:05		
WET CHEN	NSTRY					
Analysis De	sc: SM 2540 C	Analytical Batches:				State Contraction
		Batch: 1555 SM 2540 C	on 04/13/2010 18:	50 by CFS		
	and the second					
	Service and states where	Results	in a start and			Batch Information
Parameters		mg/l Qual	Report Limit	MDL	DF	RegLmt Prep Analysis
Residue Fi	terable (TDS)	684	10.0	3 94	1	1555

ICP DISSOLVED METALS

Manganese	0.121	0.00500	0.000300	1		1656	1354
Parameters	mg/l Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
	Results		net e			Batch In	formation
	Daton, 1004 - 399-040 0010	75 ON 04/2 (7201)	0 00.04 Dy ED				
	Batch: 1354 SW-846 6010	B on 04/21/201	0.03:04 by EB	3			
	Analytical Batches:					- 11 - Maria	
	Batch: 1656 SW-846 3010	OA on 04/12/2010	0 15:30 by R_\	1		<i></i>	
Analysis Desc: SW-846 6010B	Preparation Batches:						

Analysis Desc: SW-846 8260B	SW-846 5030Analytical Batches:							
	Batch: 1747 SW-846 8260B on 04/13/2010 08:52 by JMC							
Parameters	Results ug/l Qual	Report Limit	MDL	DF R	Batc egLmt Pre	h Information ap Analysis		
Benzene	ND	1.0	0.10	1		1747		
Ethylbenzene	ND	1.0	0.15	1		1747		
Toluene	ND	· 1.0	0.29	1		1747		
m,p-Xylene	ND	1.0	0.18	1		1747		
o-Xylene	ND	1.0	0.13	1		1747		
Xylenes, Total	ND	1.0	0.13	1		1747		
4-Bromofluorobenzene (S)	91.6 %	74-125		1		1747		
1,2-Dichloroethane-d4 (S)	97.9 %	70-130		1		1747		
Toluene-d8 (S)	102 %	82-118		1		1747		



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ANALYTICAL RESULTS

Workorder: H10040210 : San Juan 27-5 #34A

- H10040210005

Date/Time Received: 4/10/2010 09:30 Matrix: Water Date/Time Collected: 4/8/2010 10:55

VOLATILES

Lab ID:

Analysis Desc: SW-846 8260B SW-846 5030Analytical Batches:

Sample ID: Duplicate

Analysis Desc. SW-040 0200D	SW-640 JUJUAnalytical B	diciles.				
	Batch: 1747 SW-846 826	30B on 04/13/2010 (09:20 by JM	С		
Index with a second state of the second state of the		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	5			
	Results			-		Batch Information
Parameters	ug/i Qual	Report Limit	MDL	DF	RegLmt	Prep Analysis
Benzene	ND	1.0	0.10	1		1747
Ethylbenzene	ND	1.0	0.15	1		1747
Toluene	ND	1.0	0.29	1		1747
m,p-Xylene	ND	1.0	0.18	1		1747
o-Xylene	ND	1.0	0.13	1		1747
Xylenes, Total	ND	1.0	0.13	1		1747
4-Bromofluorobenzene (S)	92.6 %	74-125		1		1747
1,2-Dichloroethane-d4 (S)	105 %	70-130		1		1747
Toluene-d8 (S)	104 %	82-118		1		1747

Project Number:



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ANALYTICAL RESULTS

Workorder: H10040210 : San Juan 27-5 #34A

Project Number:

Water

Lab ID:	H10040210006	•	Date/Time Recei	ved:	4/10/2010 09:30	Matrix:
Sample ID:	Trip Blank		Date/Time Collect	cted:	4/9/2010 15:30	

Analysis Desc: SW-846 8260B	SW-846 5030Analytical Ba					
	Batch: 1747 SW-846 826	0B on 04/13/2010 0	9:47 by JM(D		
	Results			and a second second	Batch Information	
Parameters	ug/l Qual	Report Limit	MDL	DF RegLmt	Prep Analysis	
Benzene	ND	1.0	0.10	1	1747	
Ethylbenzene	ND	1.0	0.15	1	1747	
Toluene	ND	1.0	0.29	1	1747	
m,p-Xylene	ND	1.0	0.18	່1	1747	
o-Xylene	ND	1.0	0.13	1	1747	
Xylenes, Total	ND	1.0	0.13	1	1747	
4-Bromofluorobenzene (S)	91.1 %	74-125	•	1	1747	
1,2-Dichloroethane-d4 (S)	97.8 %	70-130		1	1747	
Toluene-d8 (S)	99 %	82-118		1	1747	



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QUALITY CONTROL DATA

Workorder: H10040210 : San J	uan 27-5 #34A						•		Project	t Number:
QC Batch: DIGM/16 QC Batch Method: SW-846	56 3010A		A P	nalysis Meth reparation:	od: SV 04/	V-846 6010B 12/2010 15:30 by	R_V			
Associated Lab Samples: H H	10040210001 10040214003	H10040210 H10040214	002 004	H1004021	10003	H10040210004	H100402	14001	H100402	14002
METHOD BLANK: 38728										
Analysis Date/Time Analyst:	04/21/2010	09:49 EBG								
Parameter	Units		F	Blank Result Qualif	iers	Reporting Limit				
Manganese	mg/l			ND		0.00500				
LABORATORY CONTROL SAM	/IPLE: 38729							<u></u>		
Analysis Date/Time Analyst:	04/21/2010	01:57 EBG								
Parameter	Units		s C	Spike Conc.	LCS Result	LCS % Rec	% I Lir	Rec nits		
Manganese	mg/l			0.10	0.1004	100	80-	120		
MATRIX SPIKE & MATRIX SPI	KE DUPLICAT	E: 38730		38731		Original: H1	0040210001			
MS Analysis Date/Time Analysi	t: 04/	21/2010 02:08	EBG							
MSD Analysis Date/Time Analy	vst: 04/	21/2010 02:14	EBG							
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Resul) MS t % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Manganese	mg/l	0.896	0.10	0.949	0.9965	5 NC	NC	75-125	NC	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: H10040210 : S	San Juan 27-5 #34A								Project Numb
QC Batch: WE	TS/1555		Analysis	s Method	: SM	2540 C			
QC Batch Method: SM	2540 C								
Associated Lab Samples:	H10040188001 H10040210004	H1004018800 H1004021400	12 H10)040206)040214	001 002	H10040210001 H10040214003	H10040210002 H10040214004		H10040210003 H10040257001
METHOD BLANK: 39034									
Analysis Date/Time Analy	st: 04/13/2010 1	8:50 CFS		۰.					
Parameter	Units		Blank Result	Qualifie	rs	Reporting Limit			
Residue, Filterable (TDS)	mg/l		ND		-	10.0			A
LABORATORY CONTROL	SAMPLE & LCSD:	39035	39	038				r	· · · · · · · · · · · · · · · · · · ·
LCS Analysis Date/Time	Analyst: 04/13/2010	18:50 CFS						•	
CSD Analysis Date/Time	04/13/2010	18:50 CFS							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD ¹	Max RPD
Residue, Filterable (TDS)	mg/l	200	202.0	199.0	101	99.5	95-107	1.5	10
SAMPLE DUPLICATE: 3	9036		Original:	H10040	206001	<u> </u>			
Parameter	Units	Original Result	DUF Resul	b t	RPD	Max	C)F	
WET CHEMISTRY Residue, Filterable (TDS)	mg/l	1420	1420)	0.1	10		1 1	
SAMPLE DUPLICATE: 39	9037		Original:	H10040	214004				
Parameter	Units	Original Result	DUF Resul	b t	RPD	Max P RPD	· C	DF	
WET CHEMISTRY Residue, Filterable (TDS)	mg/l	1900	1910)	0.5	5 10		10	

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.

Report ID: H10040210_6089



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Project Number:

QUALITY CONTROL DATA

Workorder: H10040210 : San Juan 27-5 #34A

	MOV	1746			CW/ 846 8360D		
QU Baich.	1013 0/	1740		Analysis Methou.	SW-040 0200B		
QC Batch Method:	SW-84	46 5030		Preparation:	04/12/2010 00:00 by	JMC	,
Associated Lab Samp	les:	H10040210001	H10040210002	H10040210003	H10040210004	H10040210005	H10040210006
	•	H10040214001	H10040214002	H10040214003	H10040214004	H10040214005	H10040214006
		H10040214007	H10040214008	H10040214009	ł		

METHOD BLANK: 39063

Analysis Date/Time Analyst: 04/13/2010 01:21 JMC

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	١	
o-Xylene	ug/l	ND	1.0		
Xylenes, Total	ug/l	ND	1.0		
4-Bromofluorobenzene (S)	%	92.3	74-125		
1,2-Dichloroethane-d4 (S)	%	99.9	70-130		
Toluene-d8 (S)	%	102	82-118		

LABORATORY CONTROL SAMPLE: 39064

Analysis Date/Time Analyst: 04/13/2010 12:21 JMC

Parameter	Linite	Spike	LCS	LCS	% Rec	
	Onits	Conc.		70 IVEC	Cirrits	
Benzene	ug/l	20	20.0	100	74-123	
Ethylbenzene	ug/l	20	20.3	101	72-127	
Toluene	ug/l	20	20.8	104	74-126	
m,p-Xylene	ug/l	40	42.2	105	71-129	
o-Xylene	ug/l	20	20.0	100	74-130 ,	
Xylenes, Total	ug/l	. 60	62.18	104	71-130	
4-Bromofluorobenzene (S)	%			99.3	74-125	
1,2-Dichloroethane-d4 (S)	%			98.5	70-130	
Toluene-d8 (S)	%			101	82-118	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 39065	39066	Original: H10040214001
	•	

MS Analysis Date/Time Analyst: 04/13/2010 02:43 JMC MSD Analysis Date/Time Analyst: 04/13/2010 03:11 JMC

Original MS MSD MS MSD % Rec Max Spike Result Limit RPD RPD Parameter Units Conc. Result Result % Rec % Rec 18.5 92.3 70-124 20 Benzene ug/l ND 20 19.8 99.0 7.0 20 20.3 101 91.8 35-175 9.9 20 Ethylbenzene ug/l ND 18.4

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.

Report ID: H10040210_6089

Printed: 05/10/2010 09:35



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QUALITY CONTROL DATA

Workordor:	H10040210	· San Juan	27 5 #24 4
vvorkorder:		: San Juan	27-0 #34A

Workorder: H10040210 : San Juan 27-5 #34A F									Proje	Project Number:	
MATRIX SPIKE & MATRIX SPIK	E DUPLI	CATE: 39065		39066	r	Original:	H10040214001				
MS Analysis Date/Time Analyst: 04/13/2010 02:43 JMC		J									
MSD Analysis Date/Time Analyst:		04/13/2010 03:11	JMC								
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	
Toluene	ug/l	ND	20	21.7	19.6	108	98.1	70-131	9.9	20	
m,p-Xylene	ug/l	ND	40	43.1	39.0	108	97.5	35-175	9.9	20	
o-Xylene	ug/l	ND	20	20.7	· 19.0	103	95.2	35-175	8.3	20	
Xylenes, Total	ug/l	ND	60	63.78	58.05	106	96.8	35-175	9.4	20	
4-Bromofluorobenzene (S)	%	91.3				97.4	99.3	74-125		30	
1,2-Dichloroethane-d4 (S)	%	101		· .		94.9	92.8	70-130		30	
Toluene-d8 (S)	%	101				104	105	82-118		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.

Report ID: H10040210_6089



Phone: (713) 660-0901 Fax: (713) 660-8975

Legend

(S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
MI	Matrix Interference
ł	Estimated value, between MDL and PQL (Florida)
JN	The analysis indicates the presence of an analyte
С	MTBE results were not confirmed by GCMS
NC	Not Calculated - Sample concentration > 4 times the spike
*	Recovery/RPD value outside QC limits
E	Results exceed calibration range
н	Exceeds holding time
J	Estimated value
Q	Received past holding time
В	Analyte detected in the Method Blank
Ν	Recovery outside of control limits
D	Recovery out of range due to dilution
NC	Not Calculable (Sample Duplicate)
Р	Pesticide dual column results, greater then 25%
TNTC	Too numerous to count



Phone: (713) 660-0901 Fax: (713) 660-8975

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10040210 : San Juan 27-5 #34A

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10040210001	MW-1	SW-846 3010A	DIGM/1656	SW-846 6010B	ICP/1354
H10040210002	MW-2	SW-846 3010A	DIGM/1656	SW-846 6010B	ICP/1354
H10040210003	MW-3	SW-846 3010A	DIGM/1656	SW-846 6010B	ICP/1354
H10040210004	MW-4	SW-846 3010A	DIGM/1656	SW-846 6010B	ICP/1354
H10040210001	MW-1	SM 2540 C	WETS/1555		
H10040210002	MW-2	SM 2540 C	WETS/1555	•	
H10040210003	MW-3	SM 2540 C	WETS/1555		
H10040210004	MW-4	SM 2540 C	WETS/1555		
H10040210001	MW-1	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747
H10040210002	MW-2	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747
H10040210003	MW-3	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747
H10040210004	MW-4	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747
H10040210005	Duplicate	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747
H10040210006	Trip Blank	SW-846 5030	MSV/1746	SW-846 8260B	MSV/1747

ı

Project Number:



Phone: (713) 660-0901 Fax: (713) 660-8975

Sample Receipt Checklist

Worl	kOrder:	H10040210	Received By	LOG
Date	and Time	04/10/2010 09:30	Carrier Name:	FEDEXP
Tem	perature:	1.5°C	Chilled By:	Water Ice
1.	Shipping container/cooler	in good condition?		YES
2.	Custody seals intact on sh	ipping container/cooler?		YES
3.	Custody seals intact on sa	imple bottles?		Not Present
4.	Chain of custody present?			YES
5.	Chain of custody signed w	when relinquished and received?		YES
6.	Chain of custody agrees w	vith sample labels?		YES
7.	Samples in proper contain	er/bottle?		YES
8.	Samples containers intact	?		YES
9.	Sufficient sample volume	for indicated test?		YES
10.	All samples received withi	n holding time?		YES
11.	Container/Temp Blank tem	nperature in compliance?	• •	YES
12.	Water - VOA vials have ze	oro headspace?		YES
13.	Water - Preservation chec	ked upon receipt(except VOA*)?		Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative: Client Name Contacted: Client Instructions:

Contact Date & Time:

CD STORE T	l. Toć			290327
Analysis Request &	L, IIIC. Chain of Custody Record		H10040210	are
Client Name: Tetra Tech Icun	or Phillips	matrix bottle size	Requ	ested Analysis
Address: 6121 Indian Sh	201 Rd. Ste 200		Non Series	
City PT DWall Call	State MIT Zip S7110			
Client Contact: Kally Blancha Co	Email: Killy, bland) and feb	atechecon 0 5 2 7 7	N N Her S	
Project Name No.: San Juan ?	7-5 #344	A=a /=viu		
Site Name:				
Site Location: K10 HTC1 PA COL	inty	=sluc =sluc glass oz		
SAMPLE ID	DATE TIME CO	mp grab	言語として	
MW	4810 1050	X W V 40	13X	
m.w=	4,8,10 1050	XNP16	ØZ XX	
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