

UIC-1 - 5

**MONITORING
INJECTION
REPORTS**

DATE:

2006 / 2005 / 2004



Key Energy Services
1301 McKinney
Suite 1800
Houston, Texas 77010

Telephone: 713.651.4300
Facsimile: 713.652.4005
www.keyenergy.com

I-005

RECEIVED

January 22, 2007

Fourth Quarter 2006

FEB 01 2007

Wayne Price
Environmental Bureau Chief
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Brandon Powell
Environmental Specialist
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

(I-005)

Mr. Price:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity:

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

A handwritten signature in cursive script, appearing to read "Michael Talovich".

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. WA Baker Key Energy
Mr. Brandon Powell NMOCD

MONTHLY INJECTION WELL REPORT

PERIOD 06	INJECTION PRESSURES			FLOW RATES				'FLOW VOLUMES / DAY			'ANNULAR PRESSURES				CLASS 1
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbls)	MIN (bbls)	AVG (bbls)	MONTH(bbls)	'YTD (bbls)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BBLS		

CERTIFICATION Michael Paul

DATE 1-22-07

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

BY:-----

RECEIVED
JAN 18 2007

January 16, 2007

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

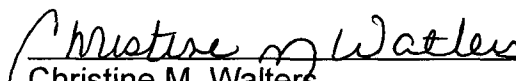
Enclosed are the analytical results for the sample collected from the location designated as "Injection Well". One water sample was collected by Key Energy Service designated personnel on 01/12/07, and received by the Envirotech laboratory on 01/12/07 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 1925. The sample was assigned Laboratory No. 39712 (Injection AF) for tracking purposes.

The sample was analyzed 01/12/07 - 01/16/07 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

C:/files/labreports/key.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection A.F.	Date Reported:	01-15-07
Lab ID#:	39712	Date Sampled:	01-12-07
Sample Matrix:	Water	Date Received:	01-12-07
Preservative:	Cool	Date Analyzed:	01-12-07
Condition:	Cool and Intact	Chain of Custody:	1925

Parameter	Result
-----------	--------

IGNITABILITY: **Negative**

CORROSIVITY: **Negative** **pH = 8.07**

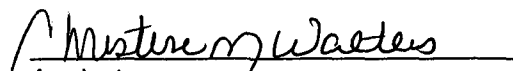
REACTIVITY: **Negative**

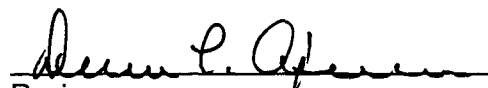
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Injection Well**


Analyst


Review

Client:	Key Energy	Project #:	98065-007
Sample ID:	Injection A.F.	Date Reported:	01-16-07
Laboratory Number:	39712	Date Sampled:	01-12-07
Chain of Custody:	1925	Date Received:	01-12-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-16-07
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.867	0.0001	200
Chloroform	0.0111	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0935	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

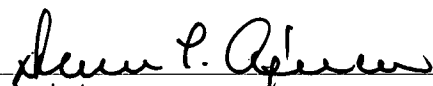
ND - Parameter not detected at the stated detection limit.

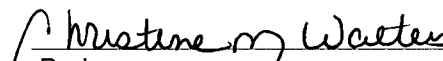
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.9%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Injection Well**


Analyst


Review

Client:	Key Energy	Project #:	98065-007
Sample ID:	Injection A.F.	Date Reported:	01-16-07
Laboratory Number:	39712	Date Sampled:	01-12-07
Chain of Custody:	1925	Date Received:	01-12-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-16-07
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.152	0.020	200
p,m-Cresol	0.081	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

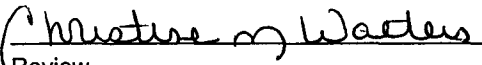
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Injection Well**


Analyst


Review

Client:	Key Energy	Project #:	98065-007
Sample ID:	Injection A.F.	Date Reported:	01-16-07
Laboratory Number:	39712	Date Sampled:	01-12-07
Chain of Custody:	1925	Date Received:	01-12-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-16-07
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	0.193	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

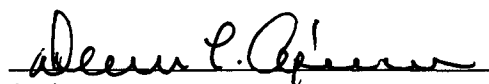
ND - Parameter not detected at the stated detection limit.

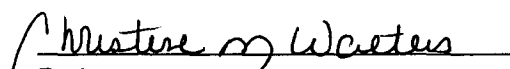
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Well


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Key Energy	Project #:	98065-007
Sample ID:	Injection A.F.	Date Reported:	01-15-07
Laboratory Number:	39712	Date Sampled:	01-12-07
Chain of Custody:	1925	Date Received:	01-12-07
Sample Matrix:	Water	Date Analyzed:	01-15-07
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.046	0.001	5.0
Barium	5.63	0.001	100
Cadmium	0.004	0.001	1.0
Chromium	0.027	0.001	5.0
Lead	0.003	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.261	0.001	1.0
Silver	0.002	0.001	5.0

ND - Parameter not detected at the stated detection limit.

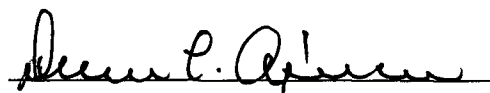
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

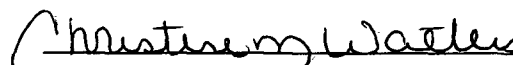
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Injection Well**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

Client: QA/QC
Sample ID: 01-16-TCV QA/QC
Laboratory Number: 39712
Sample Matrix: N/A
Preservative: N/A
Condition: N/A

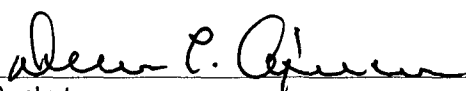
Project #: N/A
Date Reported: 01-16-07
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-16-07
Analysis Requested: TCLP

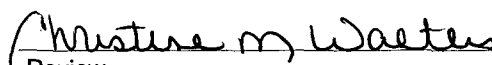
Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	0.867	0.871	0.5%
Chloroform	0.0001	ND	ND	0.0111	0.0112	1.1%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	0.0935	0.0935	0.0%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.1000	ND	0.0999	99.9%	26-163
1,1-Dichloroethene	0.1000	ND	0.1000	100%	43-143
2-Butanone (MEK)	0.1000	0.867	0.9655	99.9%	47-132
Chloroform	0.1000	0.0111	0.1109	99.8%	49-133
Carbon Tetrachloride	0.1000	ND	0.0999	99.9%	43-143
Benzene	0.1000	0.0935	0.1930	99.8%	39-150
1,2-Dichloroethane	0.1000	ND	0.0998	99.8%	51-147
Trichloroethene	0.1000	ND	0.0993	99.3%	35-146
Tetrachloroethene	0.1000	ND	0.0999	99.9%	26-162
Chlorobenzene	0.1000	ND	0.0994	99.4%	38-150
1,4-Dichlorobenzene	0.1000	ND	0.0999	99.9%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 39712


Analyst


Review

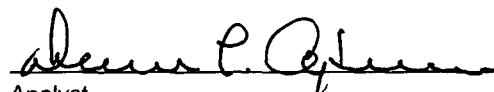
Client:	QA/QC	Project #:	N/A
Sample ID:	01-16-TCA QA/QC	Date Reported:	01-16-07
Laboratory Number:	39712	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-16-07
Condition:	N/A	Analysis Requested:	TCLP

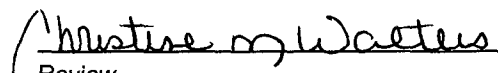
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	0.152	0.151	1.0%
p,m-Cresol	ND	ND	0.040	0.081	0.081	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 39712


Analyst


Review

Nitroaromatics and Cyclic Ketones
Quality Assurance Report

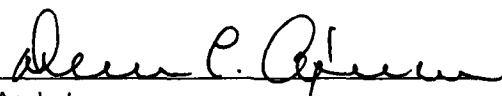
Client:	QA/QC	Project #:	N/A
Sample ID:	01-16-TBN QA/QC	Date Reported:	01-16-07
Laboratory Number:	39712	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-16-07
Condition:	N/A	Analysis Requested:	TCLP

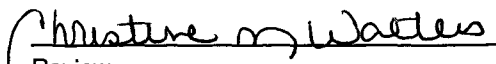
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.0%
Hexachloroethane	ND	ND	0.020	ND	ND	0.0%
Nitrobenzene	ND	ND	0.020	0.193	0.195	0.2%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.0%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.0%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: **QA/QC for sample 39712**


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	N/A	Project #:	N/A
Sample ID:	01-15-TCM QA/QC	Date Reported:	01-15-07
Laboratory Number:	39712	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-15-07
Condition:	N/A	Date Extracted:	NA

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.046	0.046	0.0%	0% - 30%
Barium	ND	ND	0.001	5.63	5.66	0.5%	0% - 30%
Cadmium	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.027	0.028	3.7%	0% - 30%
Lead	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.261	0.258	1.1%	0% - 30%
Silver	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.046	0.548	100.4%	80% - 120%
Barium	0.500	5.63	6.11	99.7%	80% - 120%
Cadmium	0.500	0.004	0.504	100.0%	80% - 120%
Chromium	0.500	0.027	0.525	99.6%	80% - 120%
Lead	0.500	0.003	0.502	99.8%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	0.261	0.760	99.9%	80% - 120%
Silver	0.500	0.002	0.501	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

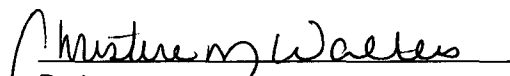
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 39712


Analyst


Review

1925

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, November 21, 2006 3:59 PM
To: 'mtalovich@keyenergy.com'
Cc: Price, Wayne, EMNRD
Subject: Key Energy Services Injection Well (I-5; Key-SUNCO CLASS I (GW-235))

Mr. Talovich:

The Oil Conservation Division (OCD) has reviewed your November 2, 2006 correspondence with attached TCLP (organics/inorganics) analytical data results. Based on a review of the paperwork, it appears that the samples were received at the laboratory at a temperature exceeding 4 degrees Celsius (4 C) or around 17 C.

Please be advised from now on for metals like Mercury and other organics, the sample containers must be refrigerated to 4 C or less to ensure the accuracy and precision of analytical data results. If samples are received at the lab exceeding this temperature, Key Energy Services shall make arrangements to resample at the laboratory.

Please contact me if you have questions. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>
(Pollution Prevention Guidance is under "Publications")

RECEIVED

NOV 03 2006

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

November 2, 2006

Third Quarter 2006

Wayne Price
Environmental Bureau Chief
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Brandon Powell
Environmental Specialist
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Price:

Please find attached our quarterly Injection Well Report for Key Disposal
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On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:



Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. WA Baker Key Energy
Mr. Brandon Powell NMOCD

KEY ENERGY DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 06	INJECTION PRESSURES			FLOW RATES			FLOW VOLUMES / DAY			ANNUAL PRESSURES			CLASS 1
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbis)	MIN (bbis)	AVG (bbis)	MONTH (bbis)	YTD (bbis)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BBL'S

9,107,004

JAN	2220	2100	2160	4,672	0	3,453	107,049	107,049	9,214,053	0	0	0	2,400
FEB	2225	2105	2165	4,531	2,305	3,971	111,183	218,232	9,325,236	0	0	0	5,520
MAR	2250	2130	2190	4,460	2,583	3,294	102,123	320,355	9,427,359	0	0	0	3,640

APR	2300	2190	2245	4,354	2,677	3,875	116,265	436,620	9,543,624	0	0	0	5,360
MAY	2280	2190	2205	4,333	1,677	3,590	111,289	547,909	9,654,913	0	0	0	1,600
JUN	2220	2190	2160	4,159	0	3,137	90,970	638,879	9,745,883	0	0	0	240

JUL	2220	2190	2160	4,312	1,473	3,604	111,729	750,608	9,857,612	0	0	0	3,000
AUG	2280	2190	2235	4,279	1,334	3,652	113,225	863,833	9,970,837	0	0	0	2,280
SEP	2280	2190	2235	4,266	1,905	3,606	108,176	972,009	10,079,013	0	0	0	1,280

OCT													
NOV													
DEC													

CERTIFICATION

M. J. [Signature]

DATE *11-1-06*

BY:.....

October 30, 2006

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

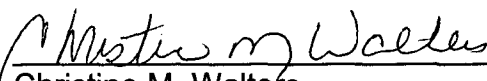
Enclosed are the analytical results for the sample collected from the location designated as "Injection AF". One water sample was collected by Key Energy Service designated personnel on 10/16/06, and received by the Envirotech laboratory on 10/17/06 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 1598. The sample was assigned Laboratory No. 38865 (Injection AF) for tracking purposes.

The sample was analyzed 10/17/06 - 7/19/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

C:/files/labreports/key.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection AF	Date Reported:	10-19-06
Lab ID#:	38865	Date Sampled:	10-16-06
Sample Matrix:	Water	Date Received:	10-17-06
Preservative:	Cool	Date Analyzed:	10-17-06
Condition:	Cool and Intact	Chain of Custody:	1598

Parameter	Result
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IGNITABILITY: **Negative**

CORROSIVITY: **Negative** **pH = 7.29**

REACTIVITY: **Negative**

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
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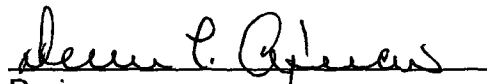
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
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REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
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Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Injection AF**


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection AF	Date Reported:	10-19-06
Laboratory Number:	38865	Date Sampled:	10-16-06
Chain of Custody:	1598	Date Received:	10-17-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-19-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	1.02	0.0001	200
Chloroform	0.109	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0230	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

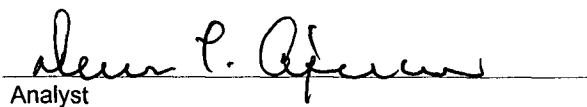
ND - Parameter not detected at the stated detection limit.

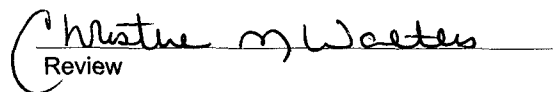
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.9%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Injection AF


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection AF	Date Reported:	10-19-06
Laboratory Number:	38865	Date Sampled:	10-16-06
Chain of Custody:	1598	Date Received:	10-17-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-19-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.373	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	100%

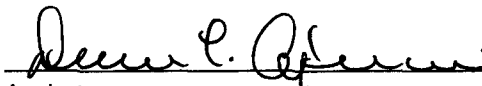
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

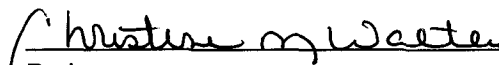
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Injection AF**


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection AF	Date Reported:	10-19-06
Laboratory Number:	38865	Date Sampled:	10-16-06
Chain of Custody:	1598	Date Received:	10-17-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-19-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	0.151	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

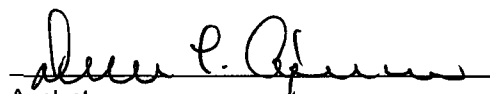
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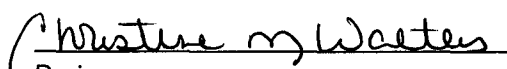
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection AF


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

EPA METHOD 8260
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client: QA/QC
Sample ID: 10-19-TCV QA/QC
Laboratory Number: 38865
Sample Matrix: N/A
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-19-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-19-06
Analysis Requested: TCLP

Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	1.02	1.00	1.5%
Chloroform	0.0001	ND	ND	0.109	0.111	1.2%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	0.0230	0.0238	3.3%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.1000	ND	0.0999	99.9%	26-163
1,1-Dichloroethene	0.1000	ND	0.1000	100%	43-143
2-Butanone (MEK)	0.1000	1.02	1.12	100%	47-132
Chloroform	0.1000	0.109	0.209	100%	49-133
Carbon Tetrachloride	0.1000	ND	0.0999	99.9%	43-143
Benzene	0.1000	0.0230	0.123	100%	39-150
1,2-Dichloroethane	0.1000	ND	0.0998	99.8%	51-147
Trichloroethene	0.1000	ND	0.0993	99.3%	35-146
Tetrachloroethene	0.1000	ND	0.0999	99.9%	26-162
Chlorobenzene	0.1000	ND	0.0994	99.4%	38-150
1,4-Dichlorobenzene	0.1000	ND	0.0999	99.9%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 38865

Devin P. O'Brien
Analyst

Christine M. Wadsworth
Review

EPA METHOD 8041
PHENOLS
Quality Assurance Report

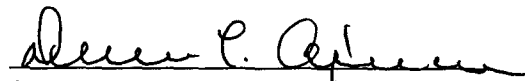
Client:	QA/QC	Project #:	N/A
Sample ID:	10-19-TCA QA/QC	Date Reported:	10-19-06
Laboratory Number:	38865	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-19-06
Condition:	N/A	Analysis Requested:	TCLP

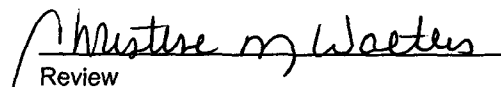
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	0.373	0.373	0.0%
p,m-Cresol	ND	ND	0.040	ND	ND	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 38865


Analyst


Review



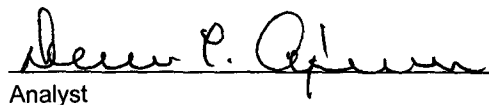
Client:	QA/QC	Project #:	N/A
Sample ID:	10-19-BTEX QA/QC	Date Reported:	10-19-06
Laboratory Number:	38865	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-19-06
Condition:	N/A	Analysis Requested:	TCLP

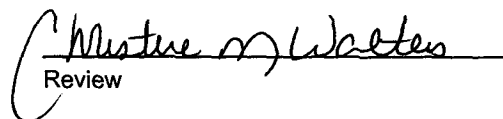
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.0%
Hexachloroethane	ND	ND	0.020	ND	ND	0.0%
Nitrobenzene	ND	ND	0.020	0.151	0.159	0.8%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.0%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.0%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 38865


Analyst


Review

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Oct-06

CLIENT: Envirotech
Lab Order: 0610191
Project: Key Energy
Lab ID: 0610191-01

Client Sample ID: 38865/Injection AF
Collection Date: 10/16/2006 10:00:00 AM
Date Received: 10/18/2006
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: MAP
Mercury	ND	0.00020		mg/L	1	10/25/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	10/24/2006 10:27:22 AM
Barium	8.6	0.20		mg/L	10	10/24/2006 11:18:40 AM
Cadmium	ND	0.0020		mg/L	1	10/24/2006 10:27:22 AM
Chromium	0.088	0.0060		mg/L	1	10/24/2006 10:27:22 AM
Lead	ND	0.0050		mg/L	1	10/24/2006 10:27:22 AM
Selenium	ND	0.050		mg/L	1	10/24/2006 10:27:22 AM
Silver	ND	0.0050		mg/L	1	10/24/2006 10:27:22 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

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

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Key Energy

Work Order: 0610191

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW7470									
Sample ID: MB-11573		MBLK							
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-11573		LCS							
Mercury	0.005370	mg/L	0.00020	107	80	120			
Method: SW6010A									
Sample ID: MB-11548		MBLK							
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.020						
Cadmium	ND	mg/L	0.0020						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Selenium	ND	mg/L	0.050						
Sample ID: LCS-11548		LCS							
Arsenic	0.5298	mg/L	0.020	108	80	120			
Barium	0.4892	mg/L	0.020	97.8	80	120			
Cadmium	0.4925	mg/L	0.0020	98.5	80	120			
Chromium	0.4995	mg/L	0.0060	99.5	80	120			
Lead	0.5035	mg/L	0.0050	101	80	120			
Selenium	0.4234	mg/L	0.050	84.7	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ENV T

Date and Time Received:

10/18/2006

Work Order Number 0610191

Received by

GLS

Checklist completed by

Signature

Date

10-18-06

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☐

Not Shipped ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

N/A ☐

Container/Temp Blank temperature?

17°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

CHAIN-OF-CUSTODY RECORD

Client:

Envirotech Inc

Address:

5196 US Hwy 64

Farmington, NM

87401

Phone #:

505 632 0615

agman@envirotech-inc.com

505 632 1865

Fax #:

e-mail

Sampler:

Miller

Sample Temperature:

17

Number/Volume

250ml

Preservative

HgCl₂

HNO₃

✓

HEAL No.

0610191

-1

Date

10/16/06

Time

1000

Matrix

Water

Sample I.D. No.

38865/Injection AF

Number/Volume

250ml

Preservative

HEAL No.

0610191

-1

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gasoline Only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

EDC (Method 8021)

B310 (PNA or PAH)

HCB 8 Metals

Anions (F, Cl, NO₂, NO₃, PO₄, SO₄)

8081 Pesticides / PCB's (8082)

B260B (VDA)

B270 (Semi-VDA)

Air Bubbles or Head Space (Y or N)

ANALYSIS REQUEST

Date:

10/16/06

Time:

1045

Relinquished By: (Signature)

Walter M. Warden

Received By: (Signature)

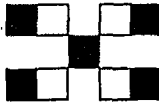
Shirley

10-18-06

1415

Remarks:

pg 20# 4950



HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com



UNLOCK YOUR POTENTIAL

RECEIVED

AUG 11

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

August 2, 2006

Second Quarter 2006

I-5

Wayne Price
Environmental Bureau Chief
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Brandon Powell
Environmental Specialist
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. WA Baker Key Energy
Mr. Brandon Powell NMOCD

KEY ENERGY DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 2006	INJECTION PRESSURES			FLOW RATES			FLOW VOLUMES / DAY			ANNUAL PRESSURES			CLASS 1
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbis)	MIN (bbis)	AVG (bbis)	MONTH(bbis)	YTD (bbis)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BBLs
									9,107,004				
JAN	2220	2100	2160	4,672	0	3,453	107,049	107,049	9,214,053	0	0	0	2,400
FEB	2225	2105	2165	4,531	2,305	3,971	111,183	218,232	9,325,236	0	0	0	5,520
MAR	2250	2130	2190	4,460	2,583	3,294	102,123	320,355	9,427,359	0	0	0	3,640
APR	2300	2190	2245	4,354	2,677	3,875	116,265	436,620	9,543,624	0	0	0	5,360
MAY	2280	2130	2205	4,333	1,677	3,590	111,289	547,909	9,654,913	0	0	0	1,600
JUN	2220	2100	2160	4,159	0	3,137	90,970	638,879	9,745,883	0	0	0	240
JUL													
AUG													
SEP													
OCT													
NOV													
DEC													

CERTIFICATION

Michael J. Hall

DATE

8-2-06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 22, 2006

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

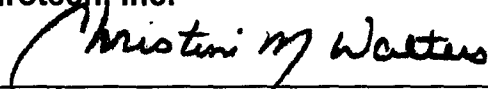
Enclosed are the analytical results for the sample collected from the location designated as "Injection Pump". One water sample was collected by Key Energy Service designated personnel on 7/19/06, and received by the Envirotech laboratory on 7/19/06 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 1220. The sample was assigned Laboratory No. 37891 (Injection Pump) for tracking purposes.

The sample was analyzed 7/21/06 - 7/22/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.



Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-21-06
Lab ID#:	37891	Date Sampled:	07-19-06
Sample Matrix:	Water	Date Received:	07-19-06
Preservative:	Cool	Date Analyzed:	07-20-06
Condition:	Cool and Intact	Chain of Custody:	1220

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.27

REACTIVITY: Negative

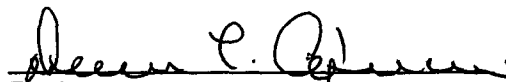
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Injection Pump


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-22-06
Laboratory Number:	37891	Date Sampled:	07-19-06
Chain of Custody:	1220	Date Received:	07-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-22-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0234	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

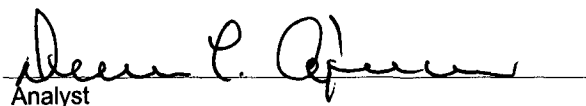
ND - Parameter not detected at the stated detection limit.

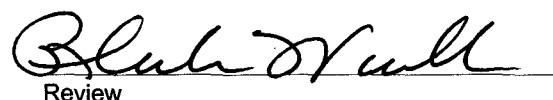
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.9%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Injection Pump**


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-22-06
Laboratory Number:	37891	Date Sampled:	07-19-06
Chain of Custody:	1220	Date Received:	07-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-22-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99.4%
	2,4,6-Tribromophenol	99.6%

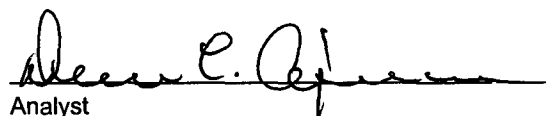
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

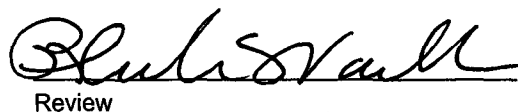
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Pump


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-22-06
Laboratory Number:	37891	Date Sampled:	07-19-06
Chain of Custody:	1220	Date Received:	07-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-22-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	0.064	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

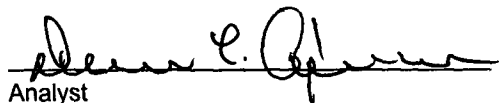
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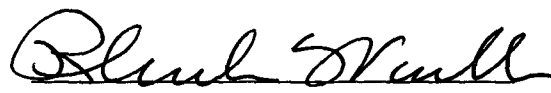
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Pump


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-21-06
Laboratory Number:	37891	Date Sampled:	07-19-06
Chain of Custody:	1220	Date Received:	07-19-06
Sample Matrix:	Water	Date Analyzed:	07-21-06
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.263	0.001	5.0
Barium	25.1	0.001	100
Cadmium	ND	0.001	1.0
Chromium	ND	0.001	5.0
Lead	ND	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.295	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

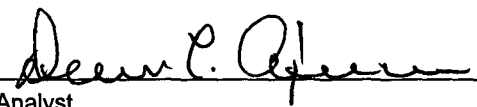
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

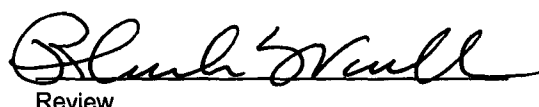
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Injection Pump


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

Client: QA/QC
Sample ID: 07-22-TCV QA/QC
Laboratory Number: 37891
Sample Matrix: N/A
Preservative: N/A
Condition: N/A

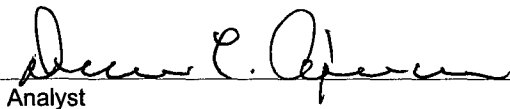
Project #: N/A
Date Reported: 07-19-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 07-22-06
Analysis Requested: TCLP

Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	ND	ND	0.0%
Chloroform	0.0001	ND	ND	ND	ND	0.0%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	0.0234	0.0235	0.6%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.1000	ND	0.0999	99.9%	26-163
1,1-Dichloroethene	0.1000	ND	0.1000	100.0%	43-143
2-Butanone (MEK)	0.1000	ND	0.1000	100.0%	47-132
Chloroform	0.1000	ND	0.0998	99.8%	49-133
Carbon Tetrachloride	0.1000	ND	0.0999	99.9%	43-143
Benzene	0.1000	0.0234	0.1233	99.9%	39-150
1,2-Dichloroethane	0.1000	ND	0.0998	99.8%	51-147
Trichloroethene	0.1000	ND	0.0993	99.3%	35-146
Tetrachloroethene	0.1000	ND	0.0999	99.9%	26-162
Chlorobenzene	0.1000	ND	0.0994	99.4%	38-150
1,4-Dichlorobenzene	0.1000	ND	0.0999	99.9%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 37891


Analyst


Review

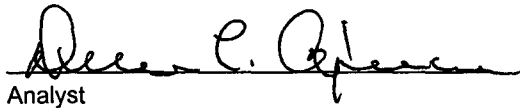
Client:	QA/QC	Project #:	N/A
Sample ID:	07-22-TCA QA/QC	Date Reported:	07-22-06
Laboratory Number:	37891	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-22-06
Condition:	N/A	Analysis Requested:	TCLP

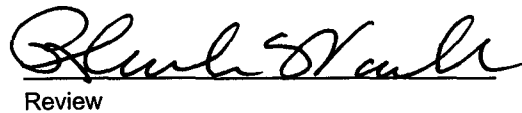
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	ND	ND	0.00%
p,m-Cresol	ND	ND	0.040	ND	ND	0.00%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 37891


Analyst


Review

Nitroaromatics and Cyclic Ketones
Quality Assurance Report

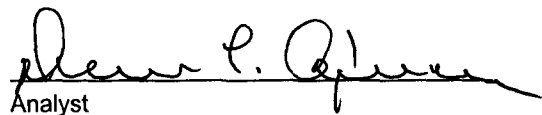
Client:	QA/QC	Project #:	N/A
Sample ID:	07-22-TBN QA/QC	Date Reported:	07-22-06
Laboratory Number:	37891	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-22-06
Condition:	N/A	Analysis Requested:	TCLP

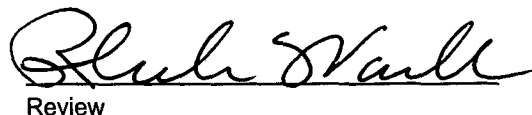
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.00%
Hexachloroethane	ND	ND	0.020	ND	ND	0.00%
Nitrobenzene	ND	ND	0.020	0.064	0.061	0.26%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.00%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.00%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 37891


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	N/A	Project #:	N/A
Sample ID:	07-21-TCM QA/QC	Date Reported:	07-21-06
Laboratory Number:	37891	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	07-21-06
Condition:	N/A	Date Extracted:	07-20-06

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.263	0.268	1.9%	0% - 30%
Barium	ND	ND	0.001	25.1	25.5	1.6%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.295	0.295	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.263	0.760	99.6%	80% - 120%
Barium	0.500	25.1	25.5	99.6%	80% - 120%
Cadmium	0.500	ND	0.498	99.6%	80% - 120%
Chromium	0.500	ND	0.50	99.8%	80% - 120%
Lead	0.500	0.502	0.498	99.6%	80% - 120%
Mercury	0.500	0.506	0.498	99.6%	80% - 120%
Selenium	0.500	0.596	0.793	99.7%	80% - 120%
Silver	0.500	0.557	0.500	100.0%	80% - 120%

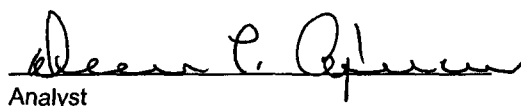
ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 37891**


Analyst


Review

1220

[illegible]



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

May 1, 2006

First Quarter 2006

1-5

2006 MAY 4 AM 11 53

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Fuller KEY
Mr. Foust NMOCD

KEY ENERGY DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 2006	INJECTION PRESSURES			FLOW RATES			FLOW VOLUMES / DAY			ANNUAL PRESSURES			CLASS 1
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbis)	MIN (bbis)	AVG (bbis)	MONTH(bbis)	YTD (bbis)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BBLs
JAN	2220	2100	2160	4,672	0	3,453	107,049	107,049	9,214,053	0	0	0	2,400
FEB	2225	2105	2165	4,531	2,305	3,971	111,183	218,232	9,325,236	0	0	0	5,520
MAR	2250	2130	2190	4,460	2,583	3,294	102,123	320,355	9,427,359	0	0	0	3,640
9,107,004													

APR													
MAY													
JUN													

JUL													
AUG													
SEP													

OCT													
NOV													
DEC													

CERTIFICATION

Michael R. [Signature]

DATE 5-1-06

RECEIVED
APR 25 2006

BY:.....

April 24, 2006

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

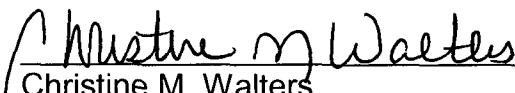
Enclosed are the analytical results for the sample collected from the location designated as "Inject Pump B.F.". One water sample was collected by Key Energy Service designated personnel on 4/19/06, and received by the Envirotech laboratory on 4/19/06 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 15828. The sample was assigned Laboratory No. 36867 (Injection Pump B.F.) for tracking purposes.

The sample was analyzed 4/20/06 - 4/21/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection Pump B.F.	Date Reported:	04-21-06
Lab ID#:	36867	Date Sampled:	04-19-06
Sample Matrix:	Water	Date Received:	04-19-06
Preservative:	Cool	Date Analyzed:	04-20-06
Condition:	Cool and Intact	Chain of Custody:	15828

Parameter	Result
-----------	--------

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.19

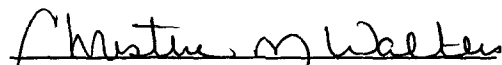
REACTIVITY: Negative

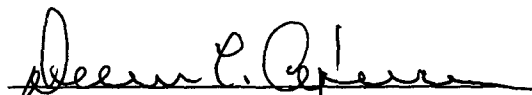
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Inject Pump B.F.


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection Pump B.F.	Date Reported:	04-21-06
Laboratory Number:	36867	Date Sampled:	04-19-06
Chain of Custody:	15828	Date Received:	04-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-21-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0399	0.0001	200
Chloroform	0.0114	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.030	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

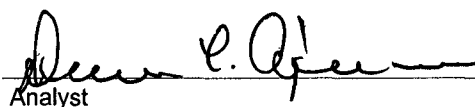
ND - Parameter not detected at the stated detection limit.

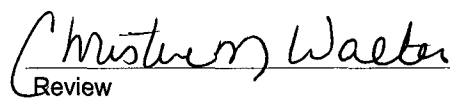
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.9%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Inject Pump B.F.


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection Pump B.F.	Date Reported:	04-21-06
Laboratory Number:	36867	Date Sampled:	04-19-06
Chain of Custody:	15828	Date Received:	04-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-21-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.863	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99.7%
	2,4,6-Tribromophenol	99.8%

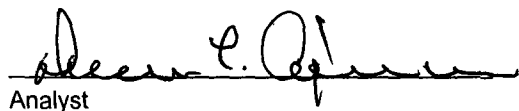
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

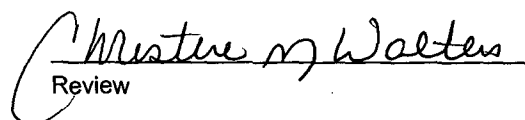
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Inject Pump B.F.


Analyst


Review

Client:	Key Energy	Project #:	98056-004
Sample ID:	Injection Pump B.F.	Date Reported:	04-21-06
Laboratory Number:	36867	Date Sampled:	04-19-06
Chain of Custody:	15828	Date Received:	04-19-06
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-21-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.381	0.020	3.0
Nitrobenzene	0.034	0.020	2.0
Hexachlorobutadiene	0.024	0.020	0.5
2,4-Dinitrotoluene	0.088	0.020	0.13
HexachloroBenzene	0.050	0.020	0.13

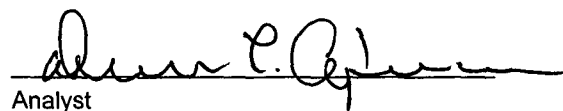
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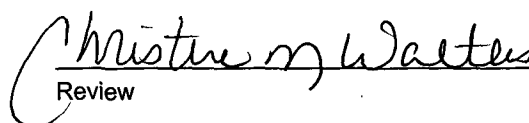
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Inject Pump B.F.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Key Energy	Project #:	96056-004
Sample ID:	Injection Pump B.F.	Date Reported:	04-21-06
Laboratory Number:	36867	Date Sampled:	04-19-06
Chain of Custody:	15828	Date Received:	04-19-06
Sample Matrix:	Water	Date Analyzed:	04-21-06
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	13.3	0.001	100
Cadmium	0.010	0.001	1.0
Chromium	0.244	0.001	5.0
Lead	ND	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.002	0.001	5.0

ND - Parameter not detected at the stated detection limit.

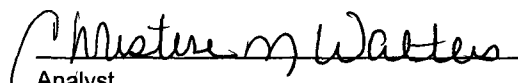
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

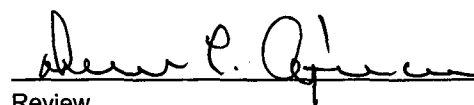
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Inject Pump B.F.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

EPA METHOD 8021
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

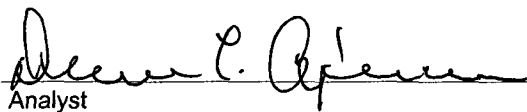
Client:	QA/QC	Project #:	N/A
Sample ID:	04-21-TCV QA/QC	Date Reported:	04-21-06
Laboratory Number:	36844	Date Sampled:	N/A
Sample Matrix:	N/A	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-21-06
Condition:	N/A	Analysis Requested:	TCLP

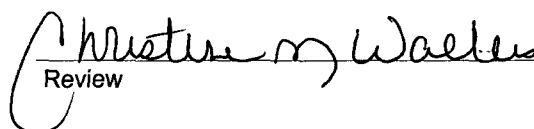
Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	ND	ND	0.0%
Chloroform	0.0001	ND	ND	ND	ND	0.0%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	ND	ND	0.0%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.1000	ND	0.0999	99.9%	26-163
1,1-Dichloroethene	0.1000	ND	0.1000	100.0%	43-143
2-Butanone (MEK)	0.1000	ND	0.1000	100.0%	47-132
Chloroform	0.1000	ND	0.0998	99.8%	49-133
Carbon Tetrachloride	0.1000	ND	0.0999	99.9%	43-143
Benzene	0.1000	ND	0.1000	100.0%	39-150
1,2-Dichloroethane	0.1000	ND	0.0998	99.8%	51-147
Trichloroethene	0.1000	ND	0.0993	99.3%	35-146
Tetrachloroethene	0.1000	ND	0.0999	99.9%	26-162
Chlorobenzene	0.1000	ND	0.0994	99.4%	38-150
1,4-Dichlorobenzene	0.1000	ND	0.0999	99.9%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 36844, 36867.


Analyst


Review

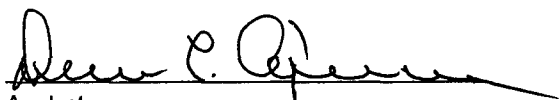
Client:	QA/QC	Project #:	N/A
Sample ID:	04-21-TCA QA/QC	Date Reported:	04-21-06
Laboratory Number:	36844	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-21-06
Condition:	N/A	Analysis Requested:	TCLP

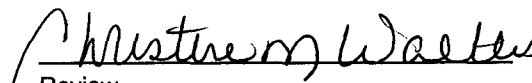
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	ND	ND	0.00%
p,m-Cresol	ND	ND	0.040	ND	ND	0.00%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for samples 36844, 36867.


Analyst


Review

Nitroaromatics and Cyclic Ketones Quality Assurance Report

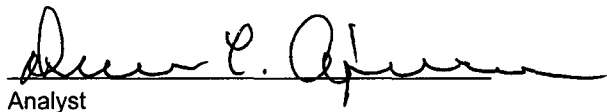
Client:	QA/QC	Project #:	N/A
Sample ID:	04-21-TBN QA/QC	Date Reported:	04-21-06
Laboratory Number:	36844	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-21-06
Condition:	N/A	Analysis Requested:	TCLP

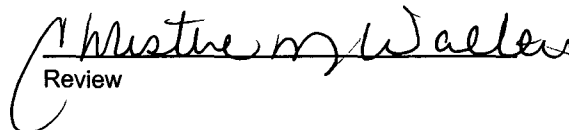
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.00%
Hexachloroethane	ND	ND	0.020	ND	ND	0.00%
Nitrobenzene	ND	ND	0.020	0.118	0.118	0.00%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.00%
2,4-Dinitrotoluene	ND	ND	0.020	0.025	0.025	0.00%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 36844, 36867.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	N/A	Project #:	N/A
Sample ID:	04-21-TCM QA/QC	Date Reported:	04-21-06
Laboratory Number:	36844	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	04-21-06
Condition:	N/A	Date Extracted:	04-18-06

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	3.79	3.83	1.1%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	0.013	0.013	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.062	0.061	1.6%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	ND	0.500	100.0%	80% - 120%
Barium	0.500	3.79	4.27	99.5%	80% - 120%
Cadmium	0.500	ND	0.499	99.8%	80% - 120%
Chromium	0.500	ND	0.498	99.6%	80% - 120%
Lead	0.500	0.013	0.514	100.2%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	0.062	0.562	100.0%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

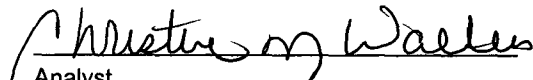
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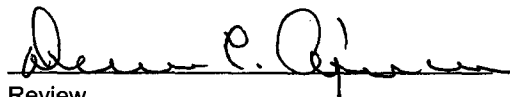
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 36844, 36867.


Analyst


Review

san juan reproduction 578-129



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

November 21, 2005

Third Quarter 2005

RECEIVE

NOV 23 2005

OIL CONSERVATION
DIVISION

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 16-24 hour day / days of the month. Also there were some days when there was little or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Fuller KEY
Mr. Foust NMOCD

MONTHLY INJECTION WELL REPORT

[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 10, 2005

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

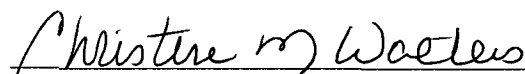
Enclosed are the analytical results for the sample collected from the location designated as "Injection Pump A.F.". One water sample and two soil samples were collected by Key Energy Service designated personnel on 10/17/05, and received by the Envirotech laboratory on 10/17/05 for TCLP W/O Herbicides and Pesticides, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 and BTEX per USEPA Method 8021.

The samples were documented on Envirotech Chain of Custody No. 14926. The samples were assigned Laboratory No. 34681 (Injection Pump A.F.), 34682 (Landfarm Cell #1) and 34683 (Cell #3) for tracking purposes.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.


Christine M. Walters

Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

Hall Environmental Analysis Laboratory

Date: 10-Nov-05

CLIENT: Envirotech
Project: Key Energy Services
Lab Order: 0510174

CASE NARRATIVE

The 8270 sample was analyzed at a x5 dilution.

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Lab Order: 0510174
Project: Key Energy Services
Lab ID: 0510174-01

Client Sample ID: 34681
Collection Date: 10/17/2005 11:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HLM
Benzene	27	10		µg/L	10	10/26/2005
Toluene	69	10		µg/L	10	10/26/2005
Ethylbenzene	ND	10		µg/L	10	10/26/2005
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	10/26/2005
1,2,4-Trimethylbenzene	32	10		µg/L	10	10/26/2005
1,3,5-Trimethylbenzene	18	10		µg/L	10	10/26/2005
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/26/2005
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/26/2005
Naphthalene	ND	20		µg/L	10	10/26/2005
1-Methylnaphthalene	ND	40		µg/L	10	10/26/2005
2-Methylnaphthalene	ND	40		µg/L	10	10/26/2005
Acetone	1900	100		µg/L	10	10/26/2005
Bromobenzene	ND	10		µg/L	10	10/26/2005
Bromochloromethane	ND	10		µg/L	10	10/26/2005
Bromodichloromethane	ND	10		µg/L	10	10/26/2005
Bromoform	ND	10		µg/L	10	10/26/2005
Bromomethane	ND	20		µg/L	10	10/26/2005
2-Butanone	ND	100		µg/L	10	10/26/2005
Carbon disulfide	ND	100		µg/L	10	10/26/2005
Carbon Tetrachloride	ND	20		µg/L	10	10/26/2005
Chlorobenzene	ND	10		µg/L	10	10/26/2005
Chloroethane	ND	20		µg/L	10	10/26/2005
Chloroform	29	10		µg/L	10	10/26/2005
Chloromethane	ND	10		µg/L	10	10/26/2005
2-Chlorotoluene	ND	10		µg/L	10	10/26/2005
4-Chlorotoluene	ND	10		µg/L	10	10/26/2005
cis-1,2-DCE	ND	10		µg/L	10	10/26/2005
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/26/2005
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/26/2005
Dibromochloromethane	ND	10		µg/L	10	10/26/2005
Dibromomethane	ND	20		µg/L	10	10/26/2005
1,2-Dichlorobenzene	ND	10		µg/L	10	10/26/2005
1,3-Dichlorobenzene	ND	10		µg/L	10	10/26/2005
1,4-Dichlorobenzene	ND	10		µg/L	10	10/26/2005
Dichlorodifluoromethane	ND	10		µg/L	10	10/26/2005
1,1-Dichloroethane	ND	10		µg/L	10	10/26/2005
1,1-Dichloroethene	ND	10		µg/L	10	10/26/2005
1,2-Dichloropropane	ND	10		µg/L	10	10/26/2005
1,3-Dichloropropane	ND	10		µg/L	10	10/26/2005
2,2-Dichloropropane	ND	10		µg/L	10	10/26/2005
1,1-Dichloropropene	ND	10		µg/L	10	10/26/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Lab Order: 0510174
Project: Key Energy Services
Lab ID: 0510174-01

Client Sample ID: 34681
Collection Date: 10/17/2005 11:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Hexachlorobutadiene	ND	10		µg/L	10	10/26/2005
2-Hexanone	ND	100		µg/L	10	10/26/2005
Isopropylbenzene	ND	10		µg/L	10	10/26/2005
4-Isopropyltoluene	ND	10		µg/L	10	10/26/2005
4-Methyl-2-pentanone	ND	100		µg/L	10	10/26/2005
Methylene Chloride	ND	30		µg/L	10	10/26/2005
n-Butylbenzene	ND	10		µg/L	10	10/26/2005
n-Propylbenzene	ND	10		µg/L	10	10/26/2005
sec-Butylbenzene	ND	10		µg/L	10	10/26/2005
Styrene	ND	10		µg/L	10	10/26/2005
tert-Butylbenzene	ND	10		µg/L	10	10/26/2005
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/26/2005
1,1,2,2-Tetrachloroethane	ND	10		µg/L	10	10/26/2005
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/26/2005
trans-1,2-DCE	ND	10		µg/L	10	10/26/2005
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/26/2005
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/26/2005
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/26/2005
1,1,1-Trichloroethane	ND	10		µg/L	10	10/26/2005
1,1,2-Trichloroethane	ND	10		µg/L	10	10/26/2005
Trichloroethene (TCE)	ND	10		µg/L	10	10/26/2005
Trichlorofluoromethane	ND	10		µg/L	10	10/26/2005
1,2,3-Trichloropropane	ND	20		µg/L	10	10/26/2005
Vinyl chloride	ND	10		µg/L	10	10/26/2005
Xylenes, Total	150	10		µg/L	10	10/26/2005
Surr: 1,2-Dichloroethane-d4	112	69.9-130		%REC	10	10/26/2005
Surr: 4-Bromofluorobenzene	101	71.2-123		%REC	10	10/26/2005
Surr: Dibromofluoromethane	107	73.9-134		%REC	10	10/26/2005
Surr: Toluene-d8	97.1	81.9-122		%REC	10	10/26/2005

EPA METHOD 8270C: SEMIVOLATILES

Analyst: BL

Acenaphthene	ND	50		µg/L	1	11/3/2005
Acenaphthylene	ND	50		µg/L	1	11/3/2005
Aniline	ND	100		µg/L	1	11/3/2005
Anthracene	ND	50		µg/L	1	11/3/2005
Azobenzene	ND	50		µg/L	1	11/3/2005
Benz(a)anthracene	ND	75		µg/L	1	11/3/2005
Benzo(a)pyrene	ND	75		µg/L	1	11/3/2005
Benzo(b)fluoranthene	ND	75		µg/L	1	11/3/2005
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/3/2005
Benzo(k)fluoranthene	ND	50		µg/L	1	11/3/2005
Benzoic acid	ND	250		µg/L	1	11/3/2005
Benzyl alcohol	ND	100		µg/L	1	11/3/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Lab Order: 0510174
Project: Key Energy Services
Lab ID: 0510174-01

Client Sample ID: 34681
Collection Date: 10/17/2005 11:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/3/2005
Bis(2-chloroethyl)ether	ND	75		µg/L	1	11/3/2005
Bis(2-chloroisopropyl)ether	ND	75		µg/L	1	11/3/2005
Bis(2-ethylhexyl)phthalate	ND	75		µg/L	1	11/3/2005
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/3/2005
Butyl benzyl phthalate	ND	75		µg/L	1	11/3/2005
Carbazole	ND	50		µg/L	1	11/3/2005
4-Chloro-3-methylphenol	ND	100		µg/L	1	11/3/2005
4-Chloroaniline	ND	100		µg/L	1	11/3/2005
2-Chloronaphthalene	ND	50		µg/L	1	11/3/2005
2-Chlorophenol	ND	50		µg/L	1	11/3/2005
4-Chlorophenyl phenyl ether	ND	75		µg/L	1	11/3/2005
Chrysene	ND	75		µg/L	1	11/3/2005
Di-n-butyl phthalate	ND	50		µg/L	1	11/3/2005
Di-n-octyl phthalate	ND	75		µg/L	1	11/3/2005
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/3/2005
Dibenzofuran	ND	50		µg/L	1	11/3/2005
1,2-Dichlorobenzene	ND	50		µg/L	1	11/3/2005
1,3-Dichlorobenzene	ND	50		µg/L	1	11/3/2005
1,4-Dichlorobenzene	ND	50		µg/L	1	11/3/2005
3,3'-Dichlorobenzidine	ND	75		µg/L	1	11/3/2005
Diethyl phthalate	ND	50		µg/L	1	11/3/2005
Dimethyl phthalate	ND	50		µg/L	1	11/3/2005
2,4-Dichlorophenol	ND	50		µg/L	1	11/3/2005
2,4-Dimethylphenol	ND	50		µg/L	1	11/3/2005
4,6-Dinitro-2-methylphenol	ND	250		µg/L	1	11/3/2005
2,4-Dinitrophenol	ND	250		µg/L	1	11/3/2005
2,4-Dinitrotoluene	ND	50		µg/L	1	11/3/2005
2,6-Dinitrotoluene	ND	50		µg/L	1	11/3/2005
Fluoranthene	ND	50		µg/L	1	11/3/2005
Fluorene	ND	50		µg/L	1	11/3/2005
Hexachlorobenzene	ND	50		µg/L	1	11/3/2005
Hexachlorobutadiene	ND	50		µg/L	1	11/3/2005
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/3/2005
Hexachloroethane	ND	50		µg/L	1	11/3/2005
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/3/2005
Isophorone	ND	50		µg/L	1	11/3/2005
2-Methylnaphthalene	ND	50		µg/L	1	11/3/2005
2-Methylphenol	ND	75		µg/L	1	11/3/2005
3+4-Methylphenol	ND	100		µg/L	1	11/3/2005
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/3/2005
N-Nitrosodimethylamine	ND	50		µg/L	1	11/3/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Lab Order: 0510174
Project: Key Energy Services
Lab ID: 0510174-01

Client Sample ID: 34681
Collection Date: 10/17/2005 11:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/3/2005
Naphthalene	ND	50		µg/L	1	11/3/2005
2-Nitroaniline	ND	250		µg/L	1	11/3/2005
3-Nitroaniline	ND	250		µg/L	1	11/3/2005
4-Nitroaniline	ND	100		µg/L	1	11/3/2005
Nitrobenzene	ND	50		µg/L	1	11/3/2005
2-Nitrophenol	ND	75		µg/L	1	11/3/2005
4-Nitrophenol	ND	250		µg/L	1	11/3/2005
Pentachlorophenol	ND	250		µg/L	1	11/3/2005
Phenanthrene	ND	50		µg/L	1	11/3/2005
Phenol	ND	50		µg/L	1	11/3/2005
Pyrene	ND	75		µg/L	1	11/3/2005
Pyridine	ND	150		µg/L	1	11/3/2005
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/3/2005
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/3/2005
2,4,6-Trichlorophenol	ND	75		µg/L	1	11/3/2005
Surr: 2,4,6-Tribromophenol	67.7	16.6-150		%REC	1	11/3/2005
Surr: 2-Fluorobiphenyl	66.2	19.6-134		%REC	1	11/3/2005
Surr: 2-Fluorophenol	54.9	9.54-113		%REC	1	11/3/2005
Surr: 4-Terphenyl-d14	62.4	22.7-145		%REC	1	11/3/2005
Surr: Nitrobenzene-d5	64.6	14.6-134		%REC	1	11/3/2005
Surr: Phenol-d6	48.6	10.7-80.3		%REC	1	11/3/2005
EPA METHOD 245.1: MERCURY						Analyst: CMC
Mercury	ND	0.00040		mg/L	2	10/26/2005
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	10/27/2005 5:04:34 PM
Barium	15	0.40		mg/L	20	10/28/2005 10:36:07 AM
Cadmium	ND	0.0020		mg/L	1	10/27/2005 5:04:34 PM
Chromium	0.18	0.0060		mg/L	1	10/27/2005 5:04:34 PM
Lead	ND	0.0050		mg/L	1	10/28/2005 9:50:04 AM
Selenium	ND	0.050		mg/L	1	10/27/2005 5:04:34 PM
Silver	ND	0.0050		mg/L	1	10/27/2005 5:04:34 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

QC SUMMARY REPORT

Method Blank

Sample ID	MB-9024	Batch ID: 9024	Test Code: SW8270C	Units: µg/L	Analysis Date	11/2/2005	Prep Date	10/24/2005			
Client ID:			Run ID: ELMO_051102A		SeqNo: 419782						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Aniline	ND	20									
Anthracene	ND	10									
Azobenzene	ND	10									
Benz(a)anthracene	ND	15									
Benzo(a)pyrene	ND	15									
Benzo(b)fluoranthene	ND	15									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	15									
Bis(2-chloroisopropyl)ether	ND	15									
Bis(2-ethoxyhexyl)phthalate	ND	15									
4-Bromophenyl phenyl ether	ND	10									
Butyl benzyl phthalate	ND	15									
Carbazole	ND	10									
4-Chloro-3-methylphenol	ND	20									
4-Chloroaniline	ND	20									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
4-Chlorophenyl phenyl ether	ND	15									
Chrysene	ND	15									
Di-n-butyl phthalate	ND	10									
Di-n-octyl phthalate	ND	15									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

Dibenz(a,h)anthracene	ND	10
Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	15
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
2,4-Dichlorophenol	ND	10
2,4-Dimethylphenol	ND	10
4,6-Dinitro-2-methylphenol	ND	50
2,4-Dinitrophenol	ND	50
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
2-Methylnaphthalene	ND	10
2-Methylphenol	ND	15
3+4-Methylphenol	ND	20
N-Nitrosodi-n-propylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
Naphthalene	ND	10
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	20
Nitrobenzene	ND	10

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: Envirotech

Work Order: 0510174

Project: Key Energy Services

Chemical	15	150	16.6	56.0	200	0	0
2-Nitrophenol	ND						
4-Nitrophenol	ND						
Pentachlorophenol	ND						
Phenanthrene	ND						
Phenol	ND						
Pyrene	ND						
Pyridine	ND						
1,2,4-Trichlorobenzene	ND						
2,4,5-Trichlorophenol	ND						
2,4,6-Trichlorophenol	ND						
Surr: 2,4,6-Tribromophenol	111.9	150	16.6	56.0	200	0	0
Surr: 2-Fluorobiphenyl	56.6	134	19.6	56.6	100	0	0
Surr: 2-Fluorophenol	104.4	113	9.54	52.2	200	0	0
Surr: 4-Terphenyl-d14	66.38	145	22.7	66.4	100	0	0
Surr: Nitrobenzene-d5	55.98	134	14.6	56.0	100	0	0
Surr: Phenol-d6	73.78	80.3	10.7	36.9	200	0	0

Sample ID	MB-9056	Batch ID:	9056	Test Code:	SW7470	Units:	mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005
Client ID:		Run ID:	MI-LA254_051026A					SeqNo:	415137		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury		ND	0.0002								Qual

Sample ID	MB-9044	Batch ID: 9044	Test Code: SW5010A	Units: mg/L	Analysis Date	10/27/2005 4:15:57 PM	Prep Date	10/25/2005	
Client ID:			Run ID: ICP_051027A		SeqNo:	415916			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPDLimit	Qual
Arsenic	ND	0.02							
Barium	ND	0.02							
Cadmium	ND	0.002							
Chromium	ND	0.006							
Selenium	ND	0.05							
Silver	ND	0.005							

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank:

CLIENT: Envirotech
Work Order: 0510174
Project: Key Energy Services

QC SUMMARY REPORT
 Method Blank

Sample ID	MB-9044	Batch ID:	9044	Test Code:	SW6010A	Units:	mg/L	Analysis Date	10/28/2005 9:04:57 AM	Prep Date	10/25/2005
Client ID:		Run ID:	ICP_051027A					SeqNo:	415951		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Lead		ND		0.005							Qual

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

QC SUMMARY REPORT

Method Blank

Sample ID	5ml rb	Batch ID: R17076	Test Code: SW8260B	Units: µg/L	Analysis Date	10/26/2005	Prep Date				
Client ID:		Run ID:	VAL_051025B		SeqNo:	414876					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1									
Toluene	ND	1									
Ethylbenzene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	1									
1,2,4-Trimethylbenzene	ND	1									
1,3,5-Trimethylbenzene	ND	1									
1,2-Dichloroethane (EDC)	ND	1									
1,2-Dibromoethane (EDB)	ND	1									
Naphthalene	ND	2									
1-Methylnaphthalene	ND	4									
2-Methylnaphthalene	ND	4									
Acetone	ND	10									
Bromobenzene	ND	1									
Bromochloromethane	ND	1									
Bromodichloromethane	ND	1									
Bromoform	ND	1									
Bromomethane	ND	2									
2-Butanone	ND	10									
Carbon disulfide	ND	10									
Carbon Tetrachloride	ND	2									
Chlorobenzene	ND	1									
Chloroethane	ND	2									
Chloroform	ND	1									
Chloromethane	ND	1									
2-Chlorotoluene	ND	1									
4-Chlorotoluene	ND	1									
cis-1,2-DCE	ND	1									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: Envirotech

Work Order: 0510174

Project: Key Energy Services

cis-1,3-Dichloropropene	ND	1
1,2-Dibromo-3-chloropropane	ND	2
Dibromochloromethane	ND	1
Dibromomethane	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Dichlorodifluoromethane	ND	1
1,1-Dichloroethane	ND	1
1,1-Dichloroethene	ND	1
1,2-Dichloropropane	ND	1
1,3-Dichloropropane	ND	1
2,2-Dichloropropane	ND	1
1,1-Dichloropropene	ND	1
Hexachlorobutadiene	ND	1
2-Hexanone	ND	10
Isopropylbenzene	ND	1
4-Isopropyltoluene	ND	1
4-Methyl-2-pentanone	ND	10
Methylene Chloride	ND	3
n-Butylbenzene	ND	1
n-Propylbenzene	ND	1
sec-Butylbenzene	ND	1
Styrene	ND	1
tert-Butylbenzene	ND	1
1,1,1,2-Tetrachloroethane	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Tetrachloroethene (PCE)	ND	1
trans-1,2-DCE	ND	1
trans-1,3-Dichloropropene	ND	1
1,2,3-Trichlorobenzene	ND	1
1,2,4-Trichlorobenzene	ND	1
1,1,1-Trichloroethane	ND	1

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Work Order: 0510174
Project: Key Energy Services

QC SUMMARY REPORT

Sample Duplicate

Sample ID	0510174-01C DUP	Batch ID: 9056	Test Code: SW7470	Units: mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005				
Client ID:	34681		Run ID: MI-LA254_051026A		SeqNo:	415140						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.0004	0	0	0	0	0	0	0	0	20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

CLIENT: Envirotech
Work Order: 0510174
Project: Key Energy Services

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0510174-01C MS	Batch ID: 9056	Test Code: SW7470	Units: mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005
Client ID:	34681		Run ID: MI-LA254_051026A		SeqNo:	415141		
Analyte		Result	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val
Mercury		0.004643	0.0004	0.005	92.9	75	125	0
Sample ID	0510174-01C MSD	Batch ID: 9056	Test Code: SW7470	Units: mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005
Client ID:	34681		Run ID: MI-LA254_051026A		SeqNo:	415142		
Analyte		Result	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val
Mercury		0.00426	0.0004	0.005	85.2	75	125	0.004643
								20

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank
/

Hall Environmental Analysis Laboratory

Date: 09-Nov-05

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

Sample ID	100ng lcs	Batch ID: R17076	Test Code: SW8260B	Units: µg/L	Analysis Date	10/26/2005	Prep Date				
Client ID:		Run ID:	VAL_051025B		SeqNo:	414880					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.78	1	20	0	104	79.3	136	0			
Toluene	16.96	1	20	0	84.8	65.5	123	0			
Chlorobenzene	19.45	1	20	0	97.3	85.6	126	0			
1,1-Dichloroethene	21.01	1	20	0	105	72.7	135	0			
Trichloroethene (TCE)	18.61	1	20	0	93.1	85.6	119	0			

Sample ID	100ng lcs	Batch ID: R17079	Test Code: SW8260B	Units: µg/L	Analysis Date	10/25/2005	Prep Date				
Client ID:		Run ID: NEPTUNE_051025A			SeqNo: 414931						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.11	1	20	0	101	79.3	136	0			
Toluene	17.24	1	20	0	86.2	65.5	123	0			
Chlorobenzene	19.72	1	20	0	98.6	85.6	126	0			
1,1-Dichloroethene	17.97	1	20	0	89.9	72.7	135	0			
Trichloroethene (TCE)	18.47	1	20	0	92.3	85.6	119	0			

Sample ID	LCS-9024	Batch ID: 9024	Test Code: SW8270C	Units: µg/L	Analysis Date	11/2/2005	Prep Date	10/24/2005			
Client ID:			Run ID: ELMO_051102A		SeqNo:	419783					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	62.1	10	100	0	62.1	16.9	100	0			
2,4-Dinitrotoluene	59.52	10	100	0	59.5	13	138	0			
Pentachlorophenol	31.24	10	200	0	15.6	-0.355	114	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID	LCSD-9024	Batch ID: 9024	Test Code: SW8270C	Units: µg/L	Analysis Date	11/2/2005	Prep Date	10/24/2005			
Client ID:			Run ID:	ELMQ_051102A	SeqNo:	419784					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	60.3	10	100	0	60.3	16.9	100	62.1	2.94	62.1	
2,4-Dinitrotoluene	55.04	10	100	0	55.0	13	138	59.52	7.82	14.7	
Pentachlorophenol	29.98	10	200	0	15.0	3.55	114	31.24	4.12	49	

Sample ID	LCS-9056	Batch ID: 9056	Test Code: SW7470	Units: mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005			
Client ID:		Run ID:	MI-LA254_051026A		SeqNo:	415138					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004627	0.0002	0.005	0	92.5	80	120	0			

Sample ID	LCSD-9056	Batch ID: 9056	Test Code: SW7470	Units: mg/L	Analysis Date	10/26/2005	Prep Date	10/26/2005			
Client ID:		Run ID:	MI-LA254_051026A		SeqNo:	415153					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004765	0.0002	0.005	0	95.3	80	120	0.004627	2.94	0	

Sample ID	LCS-9044	Batch ID: 9044	Test Code: SW6010A	Units: mg/L	Analysis Date	10/27/2005 4:19:14 PM	Prep Date	10/25/2005			
Client ID:		Run ID:	ICP_051027A		SeqNo:	415917					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4732	0.02	0.5	0	94.6	80	120	0			
Barium	0.4692	0.02	0.5	0	93.8	80	120	0			
Cadmium	0.4645	0.002	0.5	0	92.9	80	120	0			
Chromium	0.4691	0.006	0.5	0	93.8	80	120	0			
Selenium	0.4463	0.05	0.5	0	89.3	80	120	0			
Silver	0.465	0.005	0.5	0	93.0	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: Envirotech
 Work Order: 0510174
 Project: Key Energy Services

Sample ID	LCSD-9044	Batch ID: 9044	Test Code: SW6010A	Units: mg/L	Analysis Date	10/27/2005 4:21:36 PM	Prep Date	10/25/2005			
Client ID:			Run ID: ICP_051027A		SeqNo: 415918						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4697	0.02	0.5	0	93.9	80	120	0.4732	0.739	20	
Barium	0.4551	0.02	0.5	0	91.0	80	120	0.4692	3.06	20	
Cadmium	0.4561	0.002	0.5	0	91.2	80	120	0.4645	1.82	20	
Chromium	0.4598	0.006	0.5	0	92.0	80	120	0.4691	2.01	20	
Selenium	0.4285	0.05	0.5	0	85.7	80	120	0.4463	4.06	20	
Silver	0.4501	0.005	0.5	0	90.0	80	120	0.465	3.25	20	

Sample ID	LCSD-9044	Batch ID: 9044	Test Code: SW6010A	Units: mg/L	Analysis Date	10/28/2005 9:12:58 AM	Prep Date	10/25/2005			
Client ID:			Run ID: ICP_051027A		SeqNo: 415954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4704	0.005	0.5	0	94.1	80	120	0.4728	0.504	20	

Sample ID	LCS-9044	Batch ID: 9044	Test Code: SW6010A	Units: mg/L	Analysis Date	10/28/2005 8:20:56 AM	Prep Date	10/25/2005			
Client ID:			Run ID: ICP_051027A		SeqNo: 415957						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4728	0.005	0.5	0	94.6	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name ENV T

Date and Time Received:

10/18/2005

Work Order Number 0510174

Received by AT

Checklist completed by

Signature

Date

10/18/05

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☒	N/A ☐	
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☒	No ☐	
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐	

Container/Temp Blank temperature?

6°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

62941

san juan reproduction 578-129



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

August 3, 2005

Second Quarter 2005

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Fuller KEY
Mr. Foust NMOCD

MONTHLY INJECTION WELL REPORT

[illegible]

CERTIFICATION *[Signature]* DATE 8-3-05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 22, 2005

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

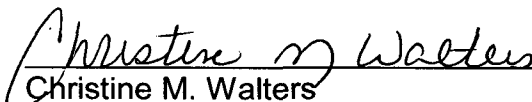
Enclosed are the analytical results for the sample collected from the location designated as "Injection Pump". One water sample was collected by Key Energy Service designated personnel on 7/15/05, and received by the Envirotech laboratory on 7/15/05 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 14291. The sample was assigned Laboratory No. 33708 (Injection Pump) for tracking purposes.

The sample was analyzed 7/15/05 - 7/19/05 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-18-05
Lab ID#:	33708	Date Sampled:	07-15-05
Sample Matrix:	Water	Date Received:	07-15-05
Preservative:	Cool	Date Analyzed:	07-15-05
Condition:	Cool and Intact	Chain of Custody:	14291

Parameter	Result
-----------	--------

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.49

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

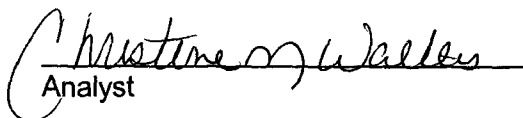
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

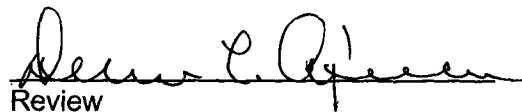
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Injection Pump.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-18-05
Laboratory Number:	33708	Date Sampled:	07-15-05
Chain of Custody:	14291	Date Received:	07-15-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-18-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0085	0.0001	200
Chloroform	0.0121	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0260	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

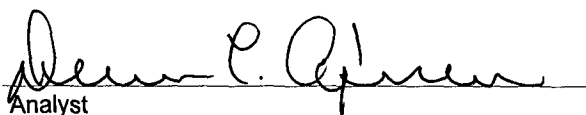
ND - Parameter not detected at the stated detection limit.

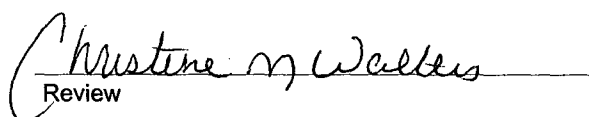
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.8%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Injection Pump.


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	07-15-05
Chain of Custody:	14291	Date Received:	07-15-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-19-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	97%
	2,4,6-Tribromophenol	96%

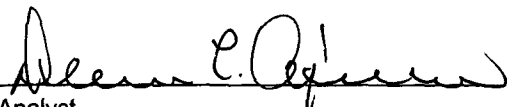
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

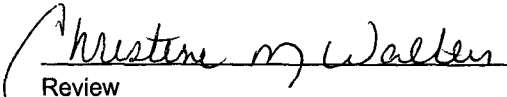
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Pump.


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	07-15-05
Chain of Custody:	14291	Date Received:	07-15-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	07-19-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

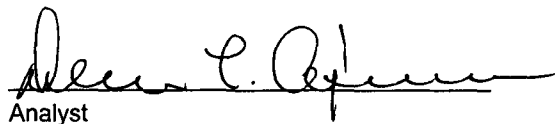
ND - Parameter not detected at the stated detection limit.

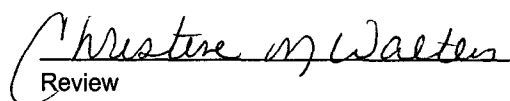
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Pump.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	07-15-05
Chain of Custody:	14291	Date Received:	07-15-05
Sample Matrix:	Water	Date Analyzed:	07-19-05
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.005	0.001	5.0
Barium	38.0	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.037	0.001	5.0
Lead	0.084	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.016	0.001	1.0
Silver	0.002	0.001	5.0

ND - Parameter not detected at the stated detection limit.

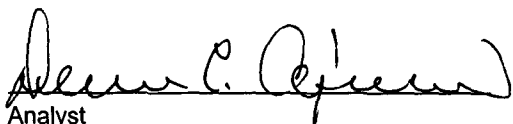
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

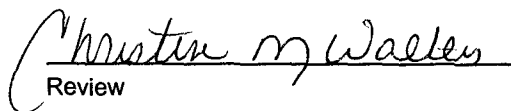
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Injection Pump.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client: QA/QC
Sample ID: 07-18-TCV QA/QC
Laboratory Number: 33708
Sample Matrix: N/A
Preservative: N/A
Condition: N/A

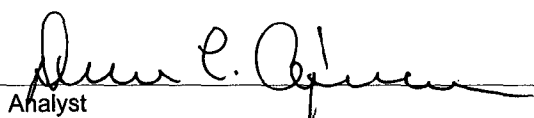
Project #: N/A
Date Reported: 07-18-05
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 07-18-05
Analysis Requested: TCLP

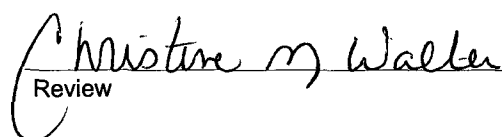
Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	0.0085	0.0085	0.0%
Chloroform	0.0001	ND	ND	0.0121	0.0120	0.3%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	0.0260	0.0265	1.9%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.0500	ND	0.0499	99.8%	26-163
1,1-Dichloroethene	0.0500	ND	0.0499	99.8%	43-143
2-Butanone (MEK)	0.0500	0.0085	0.0584	99.8%	47-132
Chloroform	0.0500	0.0121	0.0620	99.9%	49-133
Carbon Tetrachloride	0.0500	ND	0.0499	99.8%	43-143
Benzene	0.0500	0.0260	0.0765	100.6%	39-150
1,2-Dichloroethane	0.0500	ND	0.0500	100.0%	51-147
Trichloroethene	0.0500	ND	0.0499	99.9%	35-146
Tetrachloroethene	0.0500	ND	0.0499	99.7%	26-162
Chlorobenzene	0.0500	ND	0.0500	100.0%	38-150
1,4-Dichlorobenzene	0.0500	ND	0.0497	99.3%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 33708.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8041

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-19-TCA QA/QC	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-19-05
Condition:	N/A	Analysis Requested:	TCLP

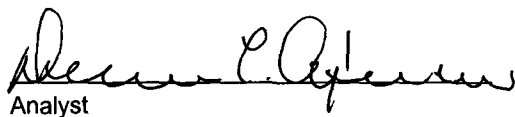
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	ND	ND	0.00%
p,m-Cresol	ND	ND	0.040	ND	ND	0.00%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.00%

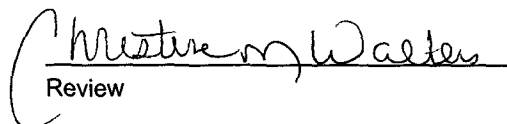
ND - Parameter not detected at the stated detection limit.

References:

- Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
- Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
- Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 33708.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8091

Nitroaromatics and Cyclic Ketones Quality Assurance Report

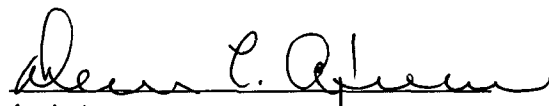
Client:	QA/QC	Project #:	N/A
Sample ID:	07-19-TBN QA/QC	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-19-05
Condition:	N/A	Analysis Requested:	TCLP

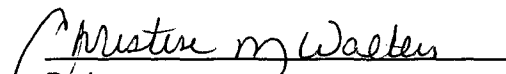
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.00%
Hexachloroethane	ND	ND	0.020	ND	ND	0.00%
Nitrobenzene	ND	ND	0.020	ND	ND	0.00%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.00%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.00%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 33708.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	N/A	Project #:	N/A
Sample ID:	07-19-TCM QA/QC	Date Reported:	07-19-05
Laboratory Number:	33708	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	07-19-05
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Barium	ND	ND	0.001	38.0	37.9	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.037	0.038	2.7%	0% - 30%
Lead	ND	ND	0.001	0.084	0.082	2.4%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.016	0.016	0.0%	0% - 30%
Silver	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.005	0.504	99.8%	80% - 120%
Barium	0.500	38.0	38.4	99.7%	80% - 120%
Cadmium	0.500	0.003	0.503	100.0%	80% - 120%
Chromium	0.500	0.037	0.536	99.8%	80% - 120%
Lead	0.500	0.084	0.582	99.7%	80% - 120%
Mercury	0.500	ND	0.500	100.0%	80% - 120%
Selenium	0.500	0.016	0.515	99.8%	80% - 120%
Silver	0.500	0.002	0.501	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

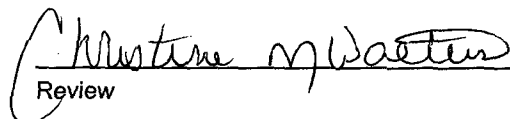
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for sample 33708.


Analyst


Review

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san | uan reproduction 578-129



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

May 3, 2005

First Quarter 2005

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 24 hour day / days of the month. Also there were some days when there was less or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Coberly KEY
Mr. Foust NMOCD

MONTHLY INJECTION WELL REPORT

[illegible]

CERTIFICATION Michael Z. L.

DATE 5-3-05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

April 29, 2005

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Dear Mr. Talovich,

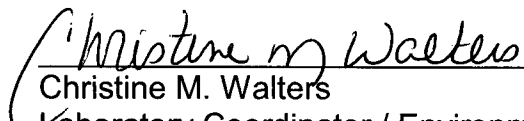
Enclosed are the analytical results for the sample collected from the location designated as "Injection Well". One water sample was collected by Key Energy Service designated personnel on 4/27/05, and received by the Envirotech laboratory on 4/27/05 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 13988. The sample was assigned Laboratory No. 32785 (Injection Well) for tracking purposes.

The sample was analyzed 4/27/05 - 4/29/05 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well	Date Reported:	04-28-05
Lab ID#:	32785	Date Sampled:	04-27-05
Sample Matrix:	Water	Date Received:	04-27-05
Preservative:	Cool	Date Analyzed:	04-27-05
Condition:	Cool and Intact	Chain of Custody:	13988

Parameter	Result
-----------	--------

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.71

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

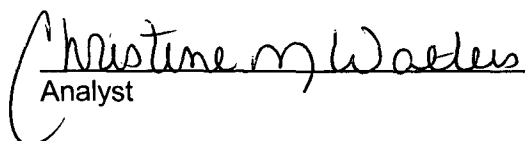
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

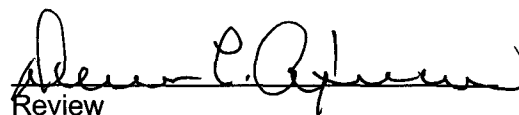
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Injection Well.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well	Date Reported:	04-28-05
Laboratory Number:	32785	Date Sampled:	04-27-05
Chain of Custody:	13988	Date Received:	04-27-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-28-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0114	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

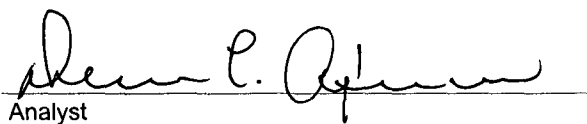
ND - Parameter not detected at the stated detection limit.

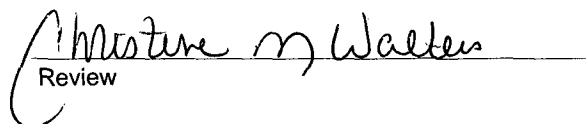
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.8%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Injection Well.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8041

PHENOLS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well	Date Reported:	04-29-05
Laboratory Number:	32785	Date Sampled:	04-27-05
Chain of Custody:	13988	Date Received:	04-27-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-29-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	100%

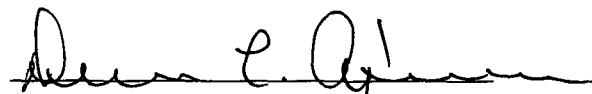
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Injection Well.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8091 Nitroaromatics and Cyclic Ketones

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well	Date Reported:	04-29-05
Laboratory Number:	32785	Date Sampled:	04-27-05
Chain of Custody:	13988	Date Received:	04-27-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-29-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

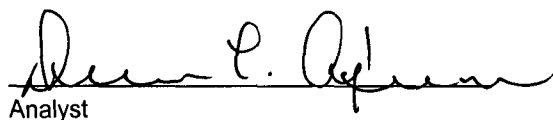
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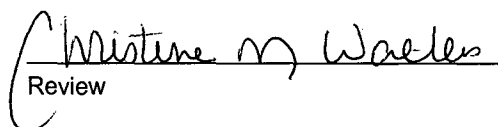
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Injection Well.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well	Date Reported:	04-28-05
Laboratory Number:	32785	Date Sampled:	04-27-05
Chain of Custody:	13988	Date Received:	04-27-05
Sample Matrix:	Water	Date Analyzed:	04-28-05
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.013	0.001	5.0
Barium	1.04	0.001	100
Cadmium	0.002	0.001	1.0
Chromium	0.005	0.001	5.0
Lead	0.004	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.001	0.001	5.0

ND - Parameter not detected at the stated detection limit.

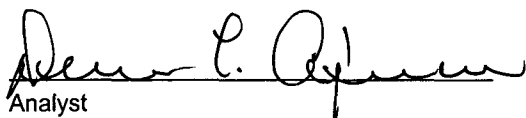
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

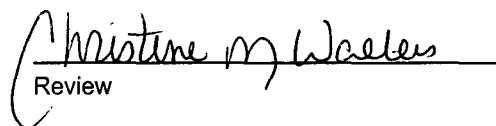
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Injection Well.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client: QA/QC
Sample ID: 04-28 TCV QA/QC
Laboratory Number: 32785
Sample Matrix: N/A
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-28-05
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 04-28-05
Analysis Requested: TCLP

Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0
2-Butanone (MEK)	0.0001	ND	ND	ND	ND	0.0
Chloroform	0.0001	ND	ND	ND	ND	0.0
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0
Benzene	0.0001	ND	ND	0.0114	0.0114	0.0
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0
Trichloroethene	0.0003	ND	ND	ND	ND	0.0
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0

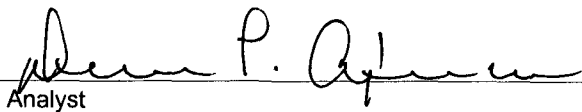
Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.0500	ND	0.0499	99.8%	26-163
1,1-Dichloroethene	0.0500	ND	0.0499	99.8%	43-143
2-Butanone (MEK)	0.0500	ND	0.0498	99.6%	47-132
Chloroform	0.0500	ND	0.0499	99.8%	49-133
Carbon Tetrachloride	0.0500	ND	0.0497	99.4%	43-143
Benzene	0.0500	0.0114	0.0613	99.9%	39-150
1,2-Dichloroethane	0.0500	ND	0.0500	100.0%	51-147
Trichloroethene	0.0500	ND	0.0499	99.9%	35-146
Tetrachloroethene	0.0500	ND	0.0499	99.7%	26-162
Chlorobenzene	0.0500	ND	0.0500	100.0%	38-150
1,4-Dichlorobenzene	0.0500	ND	0.0497	99.3%	42-143

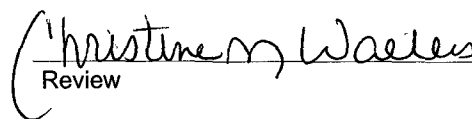
References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments:

QA/QC for sample 32785.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8041

PHENOLS

Quality Assurance Report

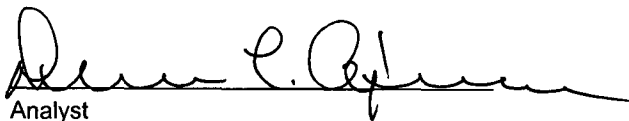
Client:	QA/QC	Project #:	N/A
Sample ID:	04-29-TCA QA/QC	Date Reported:	04-29-05
Laboratory Number:	32785	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-29-05
Condition:	N/A	Analysis Requested:	TCLP

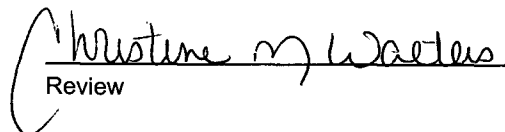
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	ND	ND	0.00%
p,m-Cresol	ND	ND	0.040	ND	ND	0.00%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.00%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: **QA/QC for sample 32785.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8091

Nitroaromatics and Cyclic Ketones Quality Assurance Report

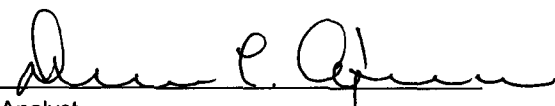
Client:	QA/QC	Project #:	N/A
Sample ID:	04-29-TBN QA/QC	Date Reported:	04-29-05
Laboratory Number:	32785	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-29-05
Condition:	N/A	Analysis Requested:	TCLP

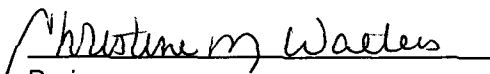
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.00%
Hexachloroethane	ND	ND	0.020	ND	ND	0.00%
Nitrobenzene	ND	ND	0.020	ND	ND	0.00%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.00%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.00%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 32785.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	N/A	Project #:	N/A
Sample ID:	04-28-TCM QA/QC	Date Reported:	04-28-05
Laboratory Number:	32785	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	04-28-05
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.013	0.013	0.0%	0% - 30%
Barium	ND	ND	0.001	1.04	1.06	1.9%	0% - 30%
Cadmium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Lead	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.013	0.512	99.8%	80% - 120%
Barium	0.500	1.04	1.53	99.4%	80% - 120%
Cadmium	0.500	0.002	0.501	99.8%	80% - 120%
Chromium	0.500	0.005	0.504	99.8%	80% - 120%
Lead	0.500	0.004	0.504	100.0%	80% - 120%
Mercury	0.500	ND	0.500	100.0%	80% - 120%
Selenium	0.500	ND	0.499	99.8%	80% - 120%
Silver	0.500	0.001	0.501	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

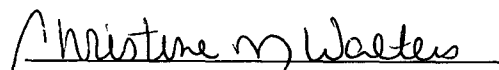
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for sample 32785.


Analyst


Review

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Sari Juan reproduction 578-125



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

February 14, 2005

Fourth Quarter 2004

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RECEIVED
FEB 05 2005
Per *[Signature]*

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 16 hour day / days of the month. Also there were some days when there was little or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Office 334-6416 or the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Coberly KEY
Mr. Foust NMOCD

KEY ENERGY DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 2004	INJECTION PRESSURES			FLOW RATES				'FLOW VOLUMES / DAY				'ANNULAR PRESSURES				CLASS 1 NON-HAZ	
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbbls)	MIN (bbbls)	AVG (bbbls)	MONTH(bbls)	'YTD (bbls)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BARRELS				

CERTIFICATION  DATE 2-14-05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

February 4, 2005

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Job No.: 806504

Dear Mr. Talovich,

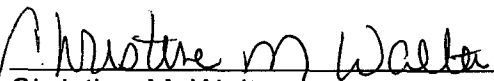
Enclosed are the analytical results for the sample collected from the location designated as "Injection Pump A.F.". One water sample was collected by Key Energy Service designated personnel on 1/17/05, and received by the Envirotech laboratory on 1/17/05 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 13488. The sample was assigned Laboratory No. 31692 (Inj. Pump) for tracking purposes.

The sample was analyzed 1/18/05 - 2/04/05 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Inj. Pump	Date Reported:	01-22-05
Lab ID#:	31692	Date Sampled:	01-17-05
Sample Matrix:	Water	Date Received:	01-17-05
Preservative:	Cool	Date Analyzed:	01-18-05
Condition:	Cool and Intact	Chain of Custody:	13488

Parameter	Result
-----------	--------

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.68

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

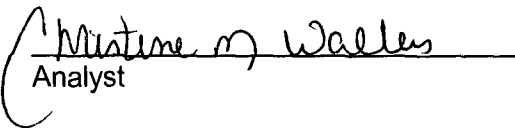
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

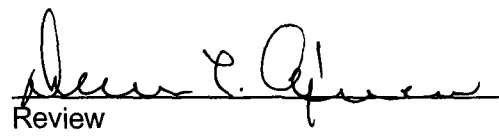
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Injection Pump A.F.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Inj. Pump	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	01-17-05
Chain of Custody:	13488	Date Received:	01-17-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-22-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

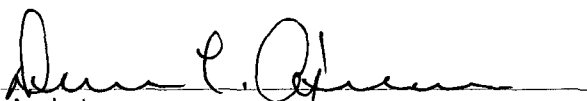
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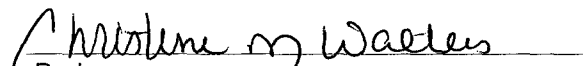
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.0%
	1,4-difluorobenzene	99.5%
	4-bromochlorobenzene	99.2%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Injection Pump A.F.**


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Inj. Pump	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	01-17-05
Chain of Custody:	13488	Date Received:	01-17-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-22-05
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

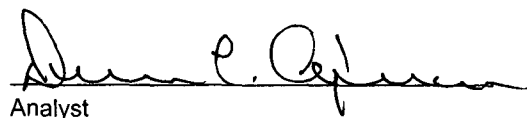
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

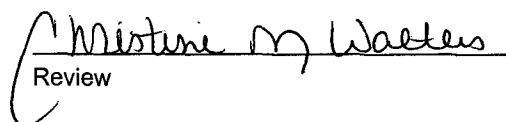
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Injection Pump A.F.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Key Energy	Project #:	98065-004
Sample ID:	Inj. Pump	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	01-17-05
Chain of Custody:	13488	Date Received:	01-17-05
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-22-05
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

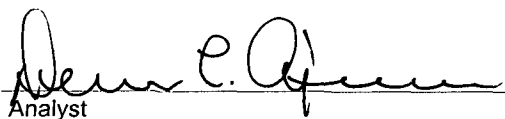
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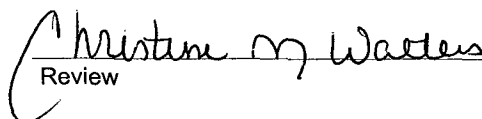
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Injection Pump A.F.


Analyst


Review

Hall Environmental Analysis Laboratory

Date: 04-Feb-05

CLIENT: Envirotech
Lab Order: 0501157
Project: Key Energy
Lab ID: 0501157-01

Client Sample ID: 31692/Inj Pump
Collection Date: 1/17/2005 11:30:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00040		mg/L	2	1/20/2005
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	0.21	0.10		mg/L	5	1/25/2005 2:39:29 PM
Barium	13	2.0		mg/L	100	1/25/2005 2:36:13 PM
Cadmium	ND	0.010		mg/L	5	1/25/2005 2:39:29 PM
Chromium	0.20	0.030		mg/L	5	1/25/2005 2:39:29 PM
Lead	ND	0.025		mg/L	5	1/25/2005 2:39:29 PM
Selenium	ND	0.25		mg/L	5	1/25/2005 2:39:29 PM
Silver	ND	0.025		mg/L	5	1/25/2005 2:39:29 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-22-05
Laboratory Number:	01-22-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-22-05
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

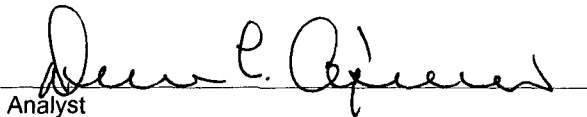
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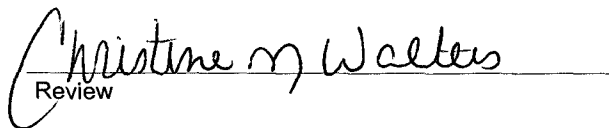
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	99%
	4-bromochlorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-22-05
Laboratory Number:	01-18-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-22-05
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

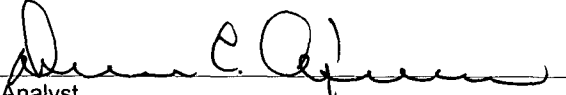
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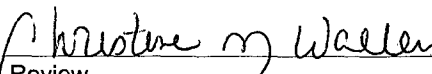
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	99%
	4-bromochlorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

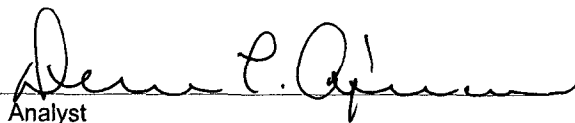
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-22-05
Condition:	N/A	*	N/A

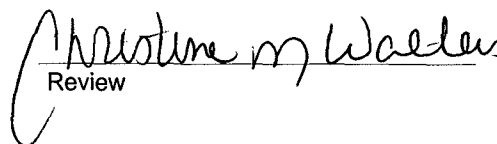
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-22-05
Laboratory Number:	01-22-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-22-05
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	99 %

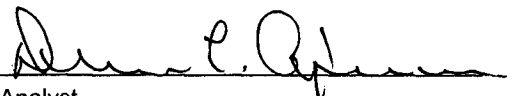
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

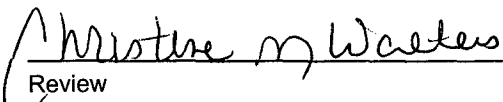
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-22-05
Laboratory Number:	01-18-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-05
Condition:	Cool & Intact	Date Analyzed:	01-22-05
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

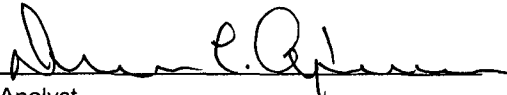
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

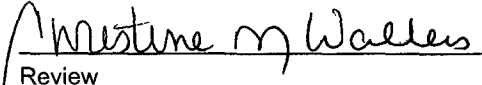
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-22-05
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

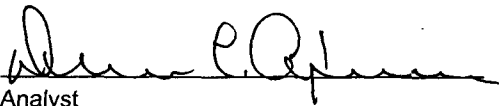
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

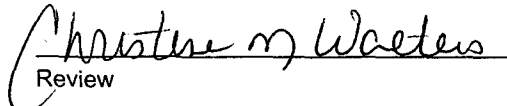
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-22-05
Laboratory Number:	01-22-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	01-22-05
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

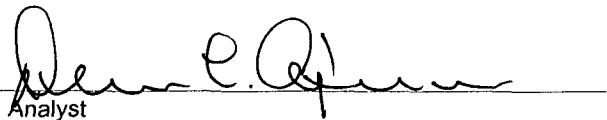
ND - Parameter not detected at the stated detection limit.

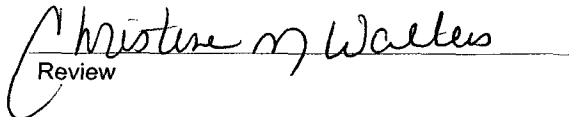
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-22-05
Laboratory Number:	01-18-TBN	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool and Intact	Date Analyzed:	01-22-05
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

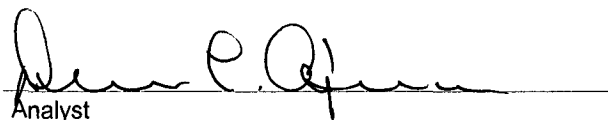
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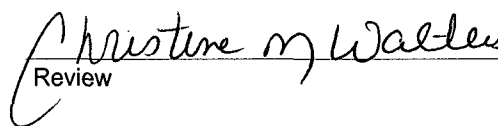
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-22-05
Laboratory Number:	31692	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	01-22-05
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

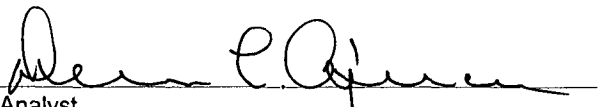
ND - Parameter not detected at the stated detection limit.

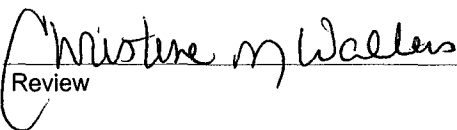
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31692, 31702.


Analyst


Review

13488

san juan reproduction 578-129

Hall Environmental Analysis Laboratory

Date: 04-Feb-05

CLIENT: Envirotech
Work Order: 0501157
Project: Key Energy

QC SUMMARY REPORT
 Method Blank

Sample ID	MB-7275	Batch ID:	7275	Test Code:	SW7470	Units:	mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005
Client ID:		Run ID:	WC_050120E					SeqNo:	333930		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury		ND	0.0002								

Sample ID	MB-7285	Batch ID:	7285	Test Code:	SW6010A	Units:	mg/L	Analysis Date	1/25/2005 12:56:58 PM	Prep Date	1/24/2005
Client ID:		Run ID:	ICP_050125B					SeqNo:	335047		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Arsenic		ND	0.02								
Barium		ND	0.02								
Cadmium		ND	0.002								
Chromium		ND	0.006								
Lead		ND	0.005								
Selenium		ND	0.05								

Sample ID	MB-7285	Batch ID:	7285	Test Code:	SW6010A	Units:	mg/L	Analysis Date	2/1/2005 12:03:22 PM	Prep Date	1/24/2005
Client ID:		Run ID:	ICP_050201B					SeqNo:	336707		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Silver		0.001277	0.005	0	0	0	0	0	0		J

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 04-Feb-05

CLIENT: Envirotech
 Work Order: 0501157
 Project: Key Energy

QC SUMMARY REPORT

Sample Duplicate

Sample ID	0501157-01A DUP	Batch ID: 7275	Test Code: SW7470	Units: mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005				
Client ID:	31692/Inj Pump		Run ID:	WC_050120E	SeqNo:	333942						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.0004	0	0	0	0	0	0	0	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 04-Feb-05

CLIENT: Envirotech
Work Order: 0501157
Project: Key Energy

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0501157-01A MS	Batch ID: 7275	Test Code: SW7470	Units: mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005
Client ID:	31692/Inj Pump	Run ID:	WC_050120E		SeqNo:	333943		
Analyte		Result	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val
Mercury		0.004523	0.0004	0.005	90.5	75.2	134	0
					%RPD	RPDLimit		Qual
Sample ID	0501157-01A MSD	Batch ID: 7275	Test Code: SW7470	Units: mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005
Client ID:	31692/Inj Pump	Run ID:	WC_050120E		SeqNo:	333944		
Analyte		Result	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val
Mercury		0.00419	0.0004	0.005	83.8	75.2	134	0.004523
					%RPD	RPDLimit		Qual
								20

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 04-Feb-05

CLIENT: Envirotech
Work Order: 0501157
Project: Key Energy

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS-7275	Batch ID: 7275	Test Code: SW7470	Units: mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005				
Client ID:		Run ID:	WC_050120E		SeqNo:	333931						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.005077	0.0002	0.005	0	102	75.2	134	0			

Sample ID	LCSD-7275	Batch ID: 7275	Test Code: SW7470	Units: mg/L	Analysis Date	1/20/2005	Prep Date	1/20/2005				
Client ID:		Run ID:	WC_050120E		SeqNo:	333945						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.005238	0.0002	0.005	0	105	75.2	134	0.005077	3.12	0	

Sample ID	LCS-7285	Batch ID: 7285	Test Code: SW6010A	Units: mg/L	Analysis Date	1/25/2005 1:00:17 PM	Prep Date	1/24/2005				
Client ID:		Run ID: ICP_050125B			SeqNo:	335048						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		0.5104	0.02	0.5	0	102	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Envirotech
Work Order: 0501157
Project: Key Energy

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID	LCSD-7285	Batch ID: 7285	Test Code: SW6010A	Units: mg/L	Analysis Date	1/25/2005 1:03:21 PM	Prep Date	1/24/2005				
Client ID:		Run ID: ICP_050125B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result										
Arsenic		0.5475	0.02	0.5	0	109	80	120	0.5104	7.00	20	
Barium		0.5108	0.02	0.5	0	102	80	120	0.4936	3.43	20	
Cadmium		0.5215	0.002	0.5	0	104	80	120	0.4993	4.35	20	
Chromium		0.5142	0.006	0.5	0	103	80	120	0.5009	2.62	20	
Lead		0.5219	0.005	0.5	0	104	80	120	0.4928	5.74	20	
Selenium		0.5318	0.05	0.5	0	106	80	120	0.5127	3.66	20	

Sample ID	LCS-7285	Batch ID: 7285	Test Code: SW6010A	Units: mg/L	Analysis Date	2/1/2005 12:06:07 PM	Prep Date	1/24/2005				
Client ID:		Run ID: ICP_050201B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result										
Silver		0.4924	0.005	0.5	0.001277	98.2	80	120	0			

Sample ID	LCSD-7285	Batch ID: 7285	Test Code: SW6010A	Units: mg/L	Analysis Date	2/1/2005 12:09:13 PM	Prep Date	1/24/2005				
Client ID:		Run ID: ICP_050201B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result										
Silver		0.5122	0.005	0.5	0.001277	102	80	120	0.4924	3.94	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank



UNLOCK YOUR POTENTIAL

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

November 3, 2004

Third Quarter 2004

Ed Martin
Environmental Engineer
New Mexico OCD
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

Denny Foust
Environmental Engineer
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

RECEIVED
NOV 15 2004
Per *[Signature]*

RE: Key Energy Quarterly Injection Well Report

Mr. Martin:

Please find attached our quarterly Injection Well Report for Key Disposal
The following explanation is needed concerning Flow Rate and Annular Pressures:

On Flow Rates the average was based on a 16 hour day / days of the month. Also there were some days when there was little or no pump activity.

On Annular Pressures, the non-continuous pump activity had severely affected the backside pressures. So on a letter dated March 20, 1997 NMOCD granted Key (formally Sunco) a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarter's report.

The Injection Water Analysis is also provided. If you require additional information, please contact me at the Office 334-6416 or the Facility at 334-6186. Email at mtalovich@keyenergy.com

Best Regards:

Michael Talovich
Disposal Manager
Key Energy Services

cc: Mr. Coberly KEY
Mr. Foust NMOCD

MONTHLY INJECTION WELL REPORT

[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

October 29, 2004

Mr. Mike Talovich
Key Energy Service, Inc.
P.O. Box 900
Farmington, NM 87499

Phone: (505) 327-0416

Client No.: 98065-004

Job No.: 806504

Dear Mr. Talovich,

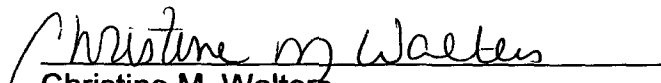
Enclosed are the analytical results for the sample collected from the location designated as "Injection Well". One water sample was collected by Key Energy Service designated personnel on 10/18/04, and received by the Envirotech laboratory on 10/18/04 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 13199. The sample was assigned Laboratory No. 31012 (Injection Pump A.F.) for tracking purposes.

The sample was analyzed 10/20/04 - 10/28/04 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/key.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump A.F.	Date Reported:	10-23-04
Lab ID#:	31012	Date Sampled:	10-18-04
Sample Matrix:	Water	Date Received:	10-18-04
Preservative:	Cool	Date Analyzed:	10-20-04
Condition:	Cool and Intact	Chain of Custody:	13199

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.89

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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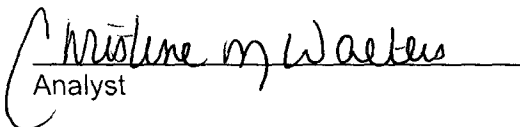
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
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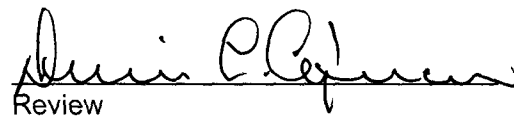
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
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REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
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Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Injection Well.


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump A.F.	Date Reported:	10-23-04
Laboratory Number:	31012	Date Sampled:	10-18-04
Chain of Custody:	13199	Date Received:	10-18-04
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-23-04
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0039	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0259	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

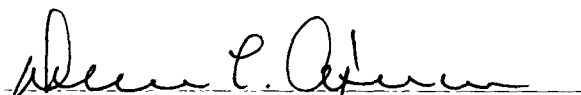
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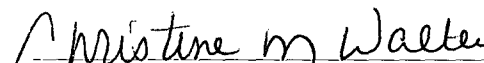
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Injection Well.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Pump A.F.	Date Reported:	10-28-04
Laboratory Number:	31012	Date Sampled:	10-18-04
Chain of Custody:	13199	Date Received:	10-18-04
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-28-04
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.045	0.020	200
p,m-Cresol	0.100	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

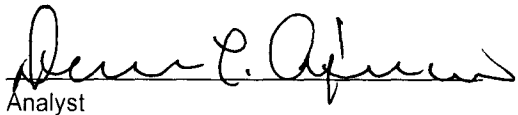
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

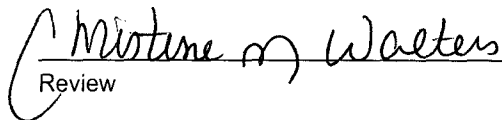
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Injection Well.**


Analyst


Review

Client:	Key Energy	Project #:	98065-004
Sample ID:	Injection Well A.F.	Date Reported:	10-28-04
Laboratory Number:	31012	Date Sampled:	10-18-04
Chain of Custody:	13199	Date Received:	10-18-04
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	10-28-04
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

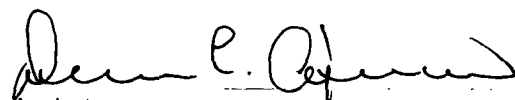
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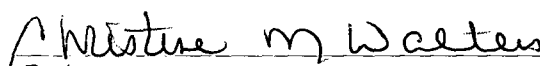
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Injection Well.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Key energy	Project #:	98065-004
Sample ID:	Injection Pump A.F.	Date Reported:	10-23-04
Laboratory Number:	31012	Date Sampled:	10-18-04
Chain of Custody:	13199	Date Received:	10-18-04
Sample Matrix:	Water	Date Analyzed:	10-23-04
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.007	0.001	5.0
Barium	0.093	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.002	0.001	5.0
Lead	0.003	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

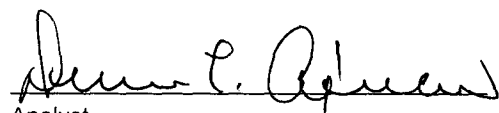
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

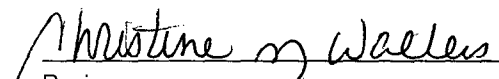
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Injection Well.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-23-04
Laboratory Number:	10-23-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-23-04
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0128	7.5

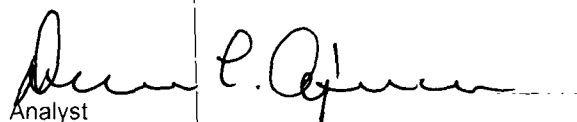
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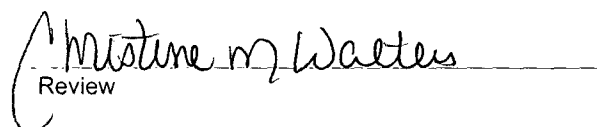
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-23-04
Laboratory Number:	10-20-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-23-04
Condition:	N/A	Date Extracted:	10-20-04
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

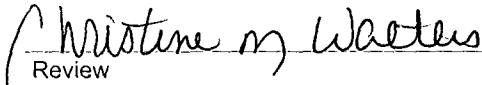
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

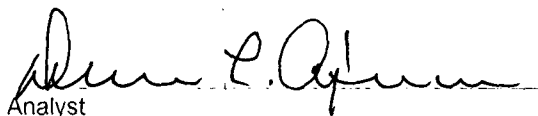
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-23-04
Laboratory Number:	31012	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-23-04
Condition:	N/A	Date Extracted:	N/A

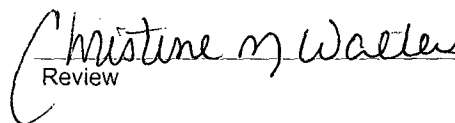
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0039	0.0039	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0259	0.0259	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 31012
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 10-23-04
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-23-04
Date Extracted: N/A

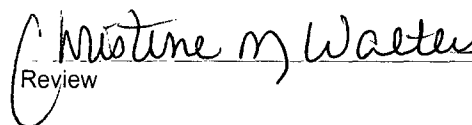
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0499	0.0001	99.8%	28-163
1,1-Dichloroethene	ND	0.050	0.0498	0.0001	99.6%	43-143
2-Butanone (MEK)	0.0039	0.050	0.0537	0.0001	99.6%	47-132
Chloroform	ND	0.050	0.0499	0.0001	99.7%	49-133
Carbon Tetrachloride	ND	0.050	0.0499	0.0001	99.8%	43-143
Benzene	0.0259	0.050	0.0757	0.0001	99.7%	39-150
1,2-Dichloroethane	ND	0.050	0.0498	0.0001	99.6%	51-147
Trichloroethene	ND	0.050	0.0497	0.0003	99.4%	35-146
Tetrachloroethene	ND	0.050	0.0498	0.0005	99.6%	26-162
Chlorobenzene	ND	0.050	0.0499	0.0003	99.8%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0497	0.0002	99.4%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-28-04
Laboratory Number:	10-28-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-04
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	99 %

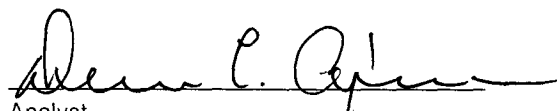
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

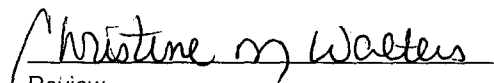
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-28-04
Laboratory Number:	10-20-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-20-04
Condition:	Cool & Intact	Date Analyzed:	10-28-04
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

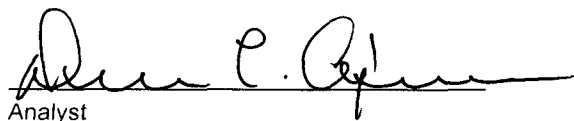
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

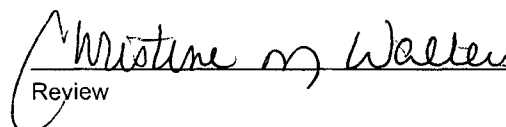
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-28-04
Laboratory Number:	31012	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-20-04
Condition:	Cool & Intact	Date Analyzed:	10-28-04
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.045	0.045	0.020	0.0%
p,m-Cresol	0.100	0.098	0.040	2.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

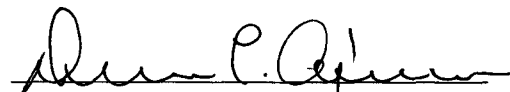
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

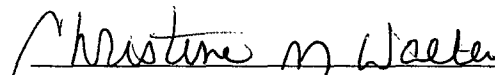
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-28-04
Laboratory Number:	10-28-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	10-28-04
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

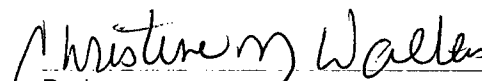
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-28-04
Laboratory Number:	10-20-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-20-04
Condition:	Cool and Intact	Date Analyzed:	10-28-04
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

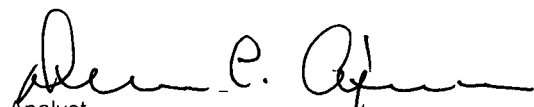
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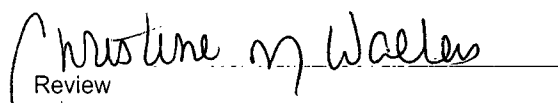
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-28-04
Laboratory Number:	31012	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	10-28-04
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

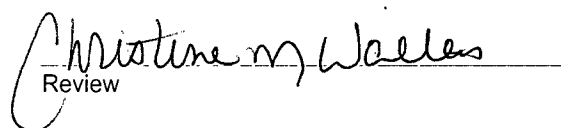
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 31012 - 31016, 31029.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	N/A	Project #:	N/A
Sample ID:	10-23-TCM QA/QC	Date Reported:	10-23-04
Laboratory Number:	31012	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	10-23-04
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Barium	ND	ND	0.001	0.093	0.092	1.1%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Lead	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample Limit	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.007	0.506	99.8%	80% - 120%
Barium	0.500	0.093	0.592	99.8%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.002	0.502	100.0%	80% - 120%
Lead	0.500	0.003	0.502	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.003	0.502	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

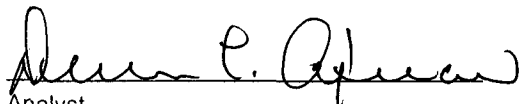
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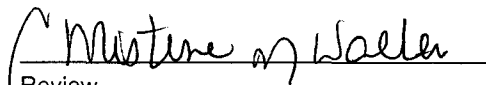
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for samples 31012 - 31016, 31029.


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