3R-435

Release Notification, Corrective Action, Closure Plan

DATE:
10.16.07

PNM
Alvarado Square
Albuquerque, NM 87158-2104
505 241-2031
Fax 505 241-2376
www.pnm.com

February 19, 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

A personal commitment to New Mexico

Mr. Wayne Price, Chief Environmental Bureau
Oil Conservation Division
1220 North St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Price:

Subject: PNM Bernalillo Compressor Station Facility Release Notification, Corrective Action and Closure Plan

Public Service Company (PNM) is decommissioning the former Bernalillo Compressor Station located approximately 1-mile north of Bernalillo in Sandoval County New Mexico. Pursuant to the Oil Conservation Division (OCD) Oil & Gas Regulations 19 NMAC 15 Release Notification and Corrective Action Section 3.116, PNM submits the attached Release Notification, Corrective Action and Closure Plan to satisfy the requirement for a facility Clean Closure Determination by the OCD.

A 24-hr. verbal notification regarding the historic release was attempted with voice messages being provided (no contact was available) to Leonard Low and Ben Stone on 12/8/06 and 12/11/06 respectively. Contact providing a verbal notification was finally made with Ben Stone and Wayne Price on 12/12/06.

Written notification is provided on Division Form C-141 as Appendix B to the Bernalillo Compressor Station Corrective Action and Closure Plan pursuant to Subsection C, Paragraph (2) of 19.15.3.116 NMAC.

This Plan is being submitted to the OCD for review and approval. Following the completion of the work described by the Plan a Corrective Action Report will also be submitted to he OCD for approval.

If you would like to discuss the Site or any of the materials provided herein, please contact me at (505) 241-4871.

Thank you for your assistance.

John A. Ferraiuolo
Environmental Technical Project Manager

Enclosure

cc: Claudette Horn, PNM
Kevin Lawrence, PNM

2007 FEB 21 PM 12 11

2007 FEB 21 PM 12 11

PUBLIC SERVICE COMPANY OF NEW MEXICO
BERNALILLO COMPRESSOR STATION
CORRECTIVE ACTION AND CLOSURE PLAN

PREPARED BY

PUBLIC SERVICE COMPANY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO

FEBRUARY 2007

PUBLIC SERVICE COMPANY OF NEW MEXICO
BERNALILLO COMPRESSOR STATION
CORRECTIVE ACTION AND CLOSURE PLAN

PURPOSE

This Corrective Action Plan has been prepared by Public Service Company of New Mexico (PNM) for the former Bernalillo Compressor Station (the Site) in cooperation with the New Mexico Oil Conservation Division (OCD) pursuant to the 19 NMAC 15 Release Notification and Corrective Action Section 3.116 to satisfy the requirement for a facility Clean Closure Determination by the OCD.

This Plan is being submitted to the OCD for review and approval. The Plan discusses Site history and operations, soil and groundwater characterization and any remedial action recommendations that may be necessary. Following the completion of the work described by this Plan a Corrective Action Report will be submitted to the OCD for approval.

SITE DESCRIPTION

The Bernalillo Compressor Station is located in Section 29, Township 13N, Range 4E. The facility is approximately 1-mile northeast of Bernalillo, NM in Sandoval County. The Site boundary is secured with a 12-ft. chain-link fence with barbed wire on top and a locked gate. The location of the facility is illustrated on FIGURES 1 and 2. A site diagram is provided as FIGURE 3.

HISTORY

The Site, a natural gas compressor station, operated from approximately 1947 to August 28, 2000 in support of the transportation of natural gas on the Santa Fe mainline. The facility was acquired by PNM in 1985 and operated by the Gas Company of New Mexico, an unincorporated division of PNM. Previous owners were the Atomic Energy Commission, Southern Union Gas Company, and Gas Company of New Mexico.

OPERATION AND SITE DECOMMISSIONING

Pipeline natural gas entered the facility at the inlet scrubber and separator where liquid hydrocarbons and water are removed from the natural gas. The removed liquids were pumped to a condensate storage tank TK-6. Much of the liquids removing equipment operated infrequently due to the minimal amount of liquids typically present in the gas. During winter months the separators were heated to prevent freezing. The dry natural gas was also heated prior to compression by two gas engines (Clark compressors), one gas turbine (Saturn), and one backup generator (Caterpillar). Ambitrol, a mixture of ethylene or propylene glycol and water stored in tank TK-5, was utilized as a compressor coolant. Lube oil for the Saturn and Clarks was stored in tanks TK-3 and TK-4. Used oil from the engines is stored in tank TK-1 and propane was stored in tank TK-7. A domestic water well (RG-47501) and a septic tank serviced the office building. The tanks and equipment described here are identified on Site Diagram (Figure 3).

PNM removed the bulk of the facility's buildings, equipment and fixtures including the Saturn turbine during the summer of 2003. The septic tank was pumped, top caved-in and filled with dirt. The well was plugged and abandoned on June 20, 2006 by Metric Corporation. A copy of the plugging report that was filed with the Office of the State Engineer dated July 12, 2006 is provided as Appendix A. No environmental issues were observed in association with the 2003 decommissioning activities.

The Clark compressors were removed from the site during the summer of 2006. The compressor building concrete pad was removed in December of 2006. Following the removal of the compressor building concrete slab discolored soil was observed, and is the subject of this Corrective Action Plan.

The Albuquerque Mainline, a natural gas transmission line runs along the northern edge of the Site. On the Mainline is a block valve setting and the Bernalillo Border Station No. 1, a natural gas pressure reducing facility that service the community of Bernalillo. These facilities will remain in operation for the foreseeable future.

NOTICE OF RELEASE

Verbal Notification: A 24-hr. verbal notification regarding the historic release was attempted with voice messages being provided (no contact was available) to Leonard Low and Ben Stone on 12/8/06 and 12/11/06 respectively. Contact providing a verbal notification was finally made with Ben Stone and Wayne Price on 12/12/06.

Written Notification: Written notice of the release is provided herein as Appendix B on the Division Form C-141 pursuant to Subsection C, Paragraph (2) of 19.15.3.116 NMAC.

SITE CHARACTERIZATION

The Site is an industrial facility, historically a natural gas compressor station. Today most of the Site is graded soil. The Albuquerque Mainline, block valve setting and the Bernalillo Border Station No. 1 remain operational at the Site. An excavation encompassing the former compressor building remains open to facilitate the corrective action process. The Site is secured with a 12-ft. chain link fence with barbed wire and a locked gate.

The area around the Site is flat and consists of residential (to the north and south) and light agricultural (to the west). Approximately 3000-ft from the former compressor building location to the east is an elevated irrigation ditch. The Rio Grande Rive is approximately 1.2 miles to the west and groundwater as measured at the Site on 5/3/06 was 10.50-ft. below ground surface. The surface soil is a silty-loam.

SAMPLE COLLECTION

Groundwater: The on-site domestic well was sampled on 6/19/06. The depth to water was measured at 10.50-ft. and the total depth of the well at 163.38-ft. below ground surface. The samples were collected in containers provided by the analytical laboratory, placed on ice and transported under a chain-of-custody to Pinnacle Laboratories for analyses. The samples were analyzed for volatile organics by EPA Method 8260B and for pH by EPA Method 150.1 by Pinnacle Laboratory, Inc. and for metals by EPA Methods 200.8 and 245.1, and for semi-volatile organics by EPA Method 8270-SIMS by Flowers Chemical Laboratories, Inc. Analytical results are summarized in Table 1 and a copy of the analytical results are provided as Appendix C.

Soil: Six area soil composite samples were collected near the surface of the former compressor building foundation excavation at approximately 3.5-ft. below ground surface. The sample locations are shown on Figure 4. Each sample was packed into a glass jar and transported under a chain-of-custody to Pinnacle Laboratories for analyses. The samples were analyzed for Volatile Organics by EPA Method 8260B, for Hydrocarbon Range Organics (GRO/DRO) by EPA Method 8015B (sample BCS-4) and for Cation-Anion Balance by Pinnacle Laboratory, Inc. and for Ethylene and Propylene Glycols by EPA Methods 8015B, for PCBs by EPA Method 8082, for Metals by EPA Methods 6010B and 7471A, for General Chemistry Parameters by EPA Methods 9038, 9251, 9045C, 310.1, 3040.2, and for Oil & Grease by EPA Method 9071B by Flowers Chemical Laboratories, Inc. Analytical results are summarized in Table 1 and copies of the analytical results are provided as Appendix D.

NORM: Sampling of the post operational Clark compressors, varied scrap equipment and the Albuquerque Mainline aboveground piping at the Site were surveyed for alpha/beta and gamma emissions on 5/4/06 and 5/18/06 by a certified sample. The NOEM Testing Results are summarized in Table 2.

GROUNDWATER SAMPLE RESULTS

Analytical results from the groundwater sample were compared against New Mexico Water Quality Control Commission Groundwater Standards and National Primary Drinking Water Regulations Maximum Contaminant Levels (MCL). Analyzed parameters were not detected above a regulatory standard or guideline.

Soil SAMPLE RESULTS

No highly contaminated/saturated soils were observed during the excavation sampling. The current excavation is approximately 30-ft by 70-ft by 3.5-ft. in size. Some excavated material was piled on the edge of the excavation. Discolored soil was observed in the excavation at the time of sample collection.

Since the exact timing and source of the release is unknown a wide range of analytical methods were employed, as stated above, to assess potential contaminant parameters based on the knowledge of the facility's operation.

Analytical results from the six area composite samples were compared against the EPA Toxicity Characteristic Leachate Procedure (TCLP) Standards, the New Mexico Environment Department (NMED) Total Petroleum Hydrocarbon (TPH) Screening Guidelines (October 2006) and method detection levels. Analyzed parameters were not detected above regulatory standards. However, two sample results (BCS-3 and BCS-4) exceed TPH Screening Guidelines (Table 2a). Sample BCS-4, the sample with the highest TPH value (79,000) was also analyzed for Hydrocarbons Range Organics (GRO/DRO). The analyses indicate the contaminant carbon range C6-C10 was non-detect, C10-C22 was 3%, C22-C36 was 42% and constituent > C36 or not picked up by the analytical method was 44%. Therefore, the soil contaminant predominant component range can be categorized as waste oil as presented in Table 1 of the NMED TPH Screening Guidelines. The most probable contaminant source is likely weathered compressor engine or turbine lubricating oil. Some degraded asphalt or other high molecular weight hydrocarbons source also appears to comprise the contaminant composition. Material Safety Data Sheets (MSDS) for El Mar 2000 Natural Gas Engine Oil and Turbine Oils (32,46, 68, 100, 32D, 32S) are provided as APPENDIX E.

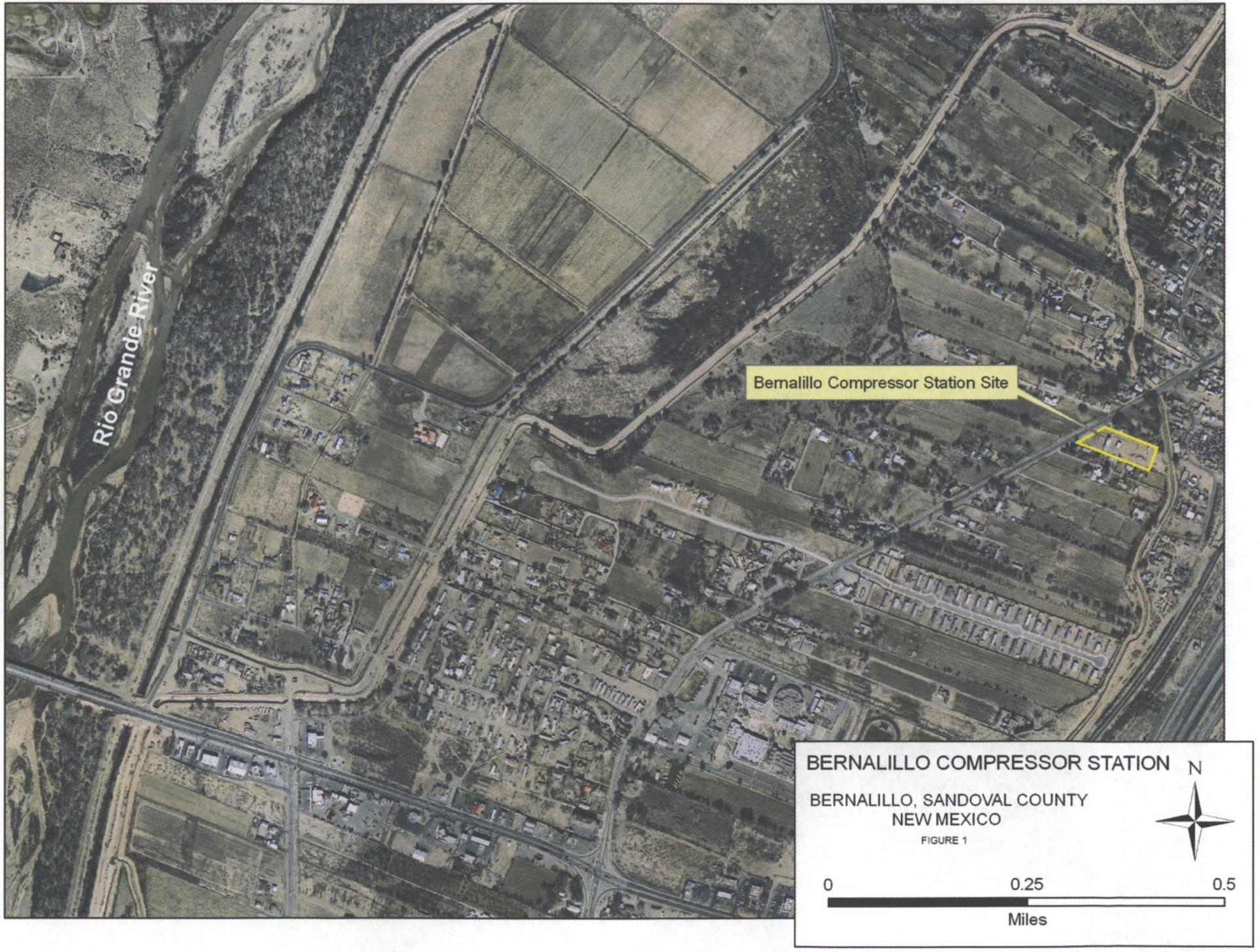
NORM SAMPLE RESULTS

The equipment sampled at the Site was not considered NORM contaminated. The NORM readings did not approach the standard of 50 mR/hr for equipment, sludge, and scale or 1000 dpm per 100-centimeter square for smear test/wipe.

PROPOSED CORRECTIVE ACTIONS

Groundwater does not appear to have been impacted from the on-site release. PNM proposes to excavate discolored soil in the areas of sample locations BCS-1, BCS-2 and BCS-4 (FIGURE 4). Since groundwater is shallow at the Site (10.50-ft. on 6/19/06) PNM proposes to terminate excavation at a maximum depth of 8-ft. so as not to impact groundwater. Excavation will proceed guided by field screening (PetroFLAG) for TPH by EPA SW-846 Draft Method 9074 to assess remedial progress. Confirmation sampling for laboratory analyses of Total Petroleum Hydrocarbon (TPH) by EPA Method 9071B (Oil & Grease) will be used at the extent of excavation. Since the contaminant hydrocarbon fraction is predominantly above C19 range the New Mexico Environment Department (NMED) TPH Screening Guideline for an Industrial Setting of 5,000 mg/kg is proposed as a corrective action remedial goal or excavation to a maximum depth of 8-feet.

Excavated soil together with the material from the BCS-3 sample location pile will be manifested and transported by a licensed Special Waste hauler to the Waste Management Rio Rancho Landfill for land farming. Clean backfill material will be compacted to the surrounding grade. PNM plans to retain ownership of the property since the property configuration is relatively narrow and contains the in-service Bernalillo Natural Gas Border Station.


Rio Grande River
Bernalillo Compressor Station Site
BERNALILLO COMPRESSOR STATION
BERNALILLO, SANDOVAL COUNTY
NEW MEXICO
FIGURE 1
N
0
0.25
0.5
Miles

0 500 1,000 2,000

Feet

N

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NEW MEXICO

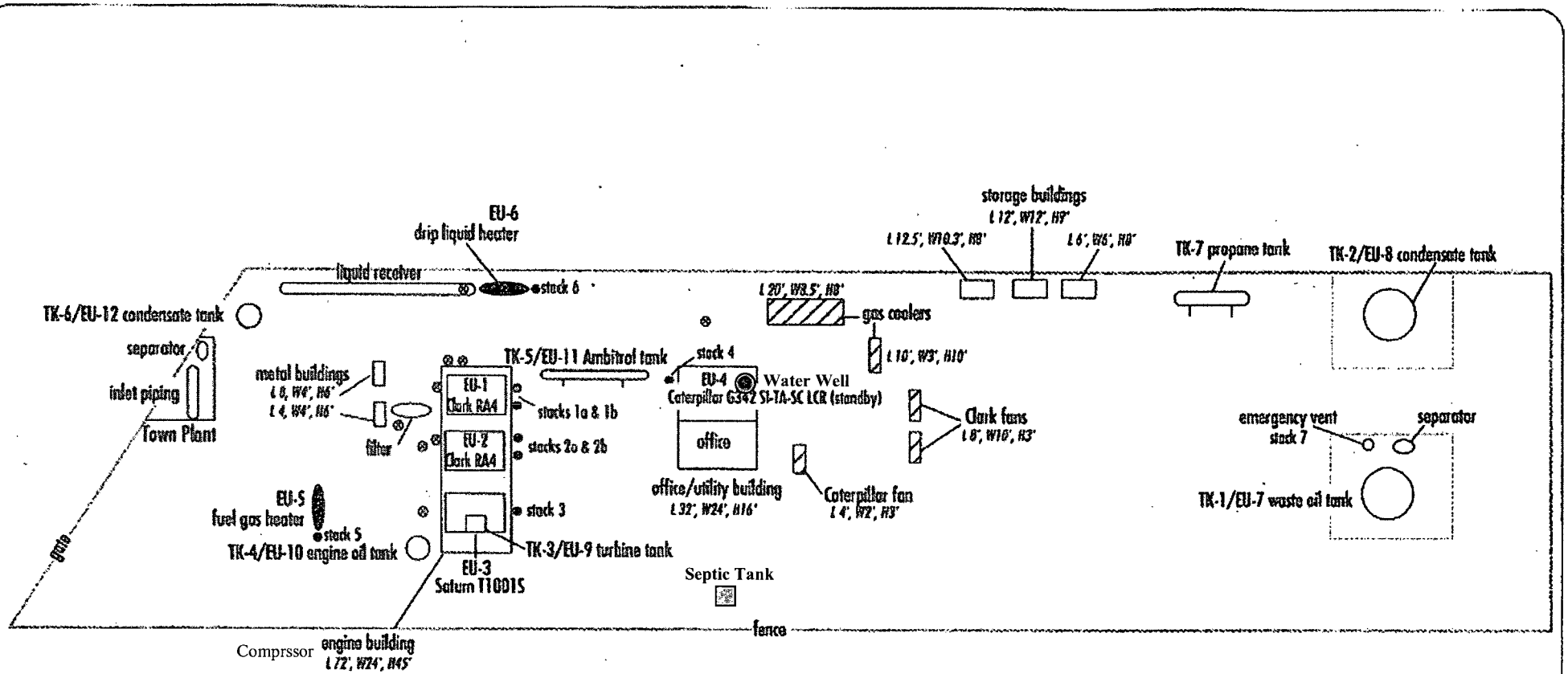
PROJECT LOCATION

FIGURE 2

2003 AERIAL PHOTOGRAPHY
BERNALILLO COMPRESSOR STATION
SITE & SURROUNDINGS

BERNALILLO, SANDOVAL COUNTY
NEW MEXICO

Map By: Ronald C.D. Fields, PNM Environmental Services
Map Date: 1/4/2007
Map Location: C:\Bernalillo Compressor Station



Bernalillo Compressor Station

FIGURE 3 **Site Diagram**

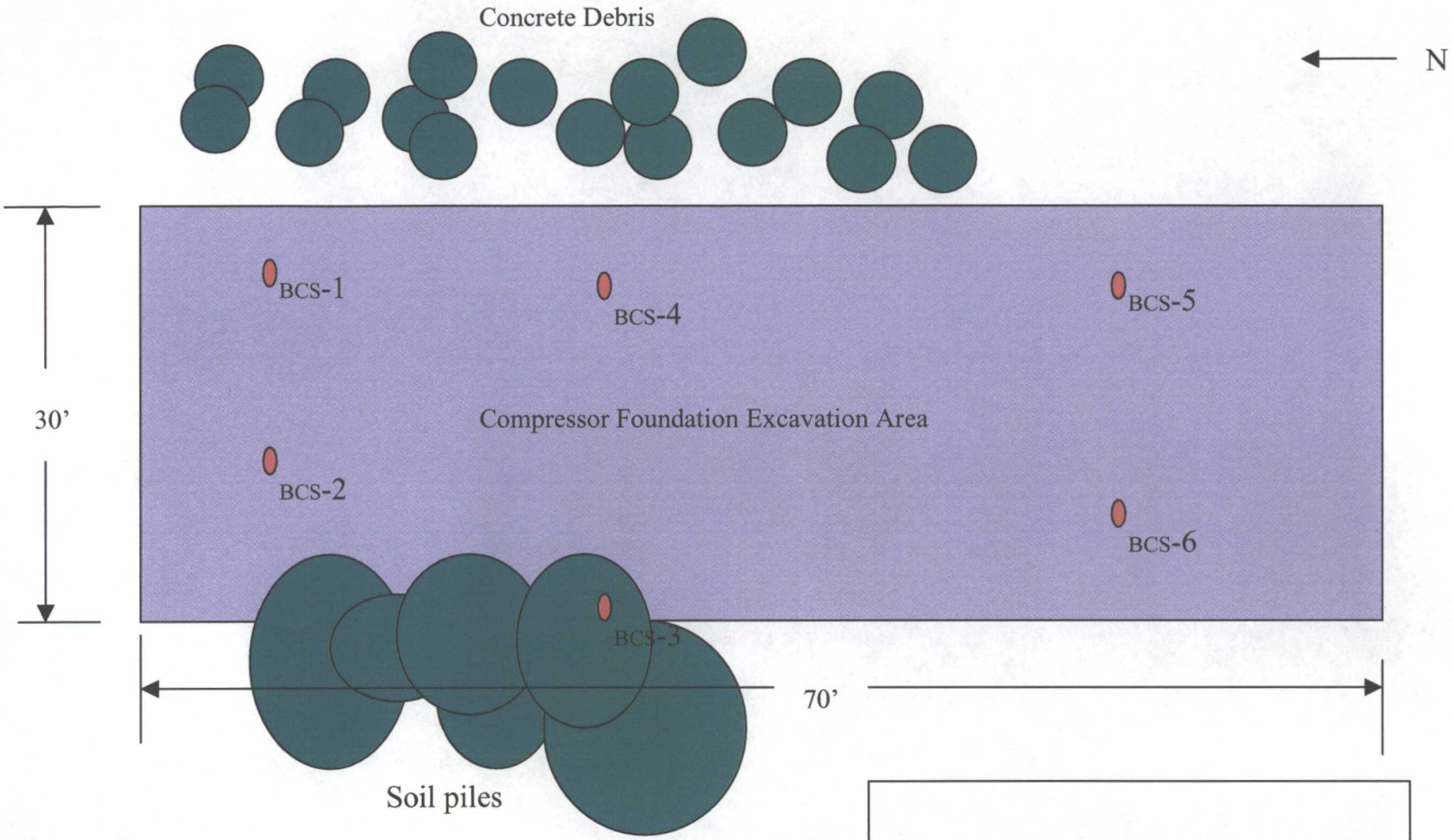


Figure 4

Bernalillo Compressor Station
Compressor Building
Preliminary Site Assessment

Conducted 12/7-8/06

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Table 1.
Bernalillo Compressor Station Decommissioning
12/07-8/06 Preliminary Site Asseessment
Analytical Results

Analytical Method	Parameter	Sample ID							Exceeds Reg. Std.
		BCS-1	BCS-2	BCS-3	BCS-4	BCS-5	BCS-6	BCS Well	
8260B (mg/kg, mg/L)	Volatile Organics	ND	ND	ND	ND*	ND	ND	ND*	No
	2-methyl Naphthalene	-	-	-	0.65	-	-	-	No
	1-methyl Naphthalene	-	-	-	0.45	-	-	-	No
	Toluene	-	-	-	-	-	-	0.0022	No
8270-SIMS (ug/L)	Semi-volatile Organics	NA	NA	NA	NA	NA	NA	ND	No
8015B (mg/Kg)	Ethylene glycol	ND	ND	ND	ND	ND	ND	NA	No
	Propylene glycol	ND	ND	ND	ND	ND	ND	NA	No
C6-C10	Hydrocarbon Range Organics	NA	NA	NA	ND	NA	NA	NA	No
C10-C22	Hydrocarbon Range Organics				2100				No
C22-C36	Hydrocarbon Range Organics				33,000				> guideline
8082 (ug/Kg)	PCBs	ND	ND	ND	ND	ND	ND	NA	No
6010B (tot./20%, mg/Kg),	Ar	6.7/1.34	5.0/1.0	6.9/1.38	7.4/1.48	6.7/1.34	5.7/1.14	0.059	No
(tot. mg/L)	Ba	300/60	240/48	210/42	200/40	310/62	220/44	NA	No
	Cd	0.54/0.108	0.49/0.098	ND	0.44/0.088	0.6/0.12	0.38/0.076	ND	No
	Cr	16/3.2	14/2.8	13/2.6	13/2.6	17/3.4	13/2.6	0.005	No
	Pb	13/2.6	11/2.2	11/2.2	8.6/1.72	13/2.6	9.6/1.92	0.008	No
	Se	ND	ND	ND	ND	ND	ND	ND	No
	Ag	ND	ND	ND	ND	ND	ND	ND	No
7471A (mg/L) (tot./20%)	Hg	ND	ND	0.013/0.0026	ND	ND	0.0120.0024	ND	No
General Chemistry (mg/L)	Sulfate	ND	ND	ND	ND	ND	140	NA	No
	Chloride	ND	ND	ND	ND	ND	ND	NA	No
	pH	8.56	8.98	7.83	8.7	8.85	9.59	NA	No
	EC	85	80	170	110	70	140	NA	No
	tot. Alkalinity	1860	2600	170	520	2480	2950	NA	No
	Fluoride	0.404	0.53	0.665	0.705	0.866	0.429	NA	No
	pH	NA	NA	NA	NA	NA	NA	7.4	No
Anions (tot. me/L)*		67.467	96.403	5.61	18.228	90.155	102.541	NA	-
Cations (tot. me/L)*		2673.569	2308.632	1888.89	1419.349	3099.806	1752.535	NA	-
9071B Oil&Grease (mg/Kg)	TPH	360	610	32000	79000	ND	ND	NA	> guideline

Note: ND = analytical result is below method detection level.
No = analytical result does not exceed Regulatory Standard.
ND* = except for listed parameters. NA = not analyzed.
* = Cation-Anion Balance Worksheet presented in analytical report.

02/19/07

TEST PERFORMED BY:
Robin DeLapp
Jake Daugherty

TABLE 2

NORM TESTING RESULTS
BERNALILLO COMPRESSOR STATION

TEST PERFORMED ON: 5/4/06 5/18/06

Sample #	NORM Reading mR/hr	NORM Reading cpm	Background* mR/hr	Background* cpm	Actual NORM (Reading - Background) mR/hr	Actual NORM (Reading - Background) cpm	Description	Equipment ID	Notes
BERN 01	10	60	10	60	**0**	**0**	Unit 1 Compressor Engine	Clark RA-4 SN 19712	
BERN 02	10	60	10	60	**0**	**0**	Unit 2 Compressor Engine	Clark RA-4 SN 19744	
BERN 03	10		10		**0**		Scrap piece of equipment	N/A	
BERN 04	10		10		**0**		Albuquerque Mainline Aboveground piping	N/A	

Units of Measurement : mR/hr = microroentgen/hour; cpm = counts per minute; dpm = disintegrations per minute; cpm x 10 = dpm

* Note: We tested dismantled compressor engines, scrap pipe, and active Albuquerque Mainline piping on the property.

Equipment used: Ludlum Model 12 - Count Rate Meter (SN 125279), Pancake Probe Model 44-9 (SN 123611), and Ludlum Model 19 Micro R Meter (SN 89481) on 5/4/06. Ludlum Model 12 - Count Rate Meter (SN 125276), Pancake Probe Model 44-9 (SN PR235798), and Ludlum Model 19 Micro R Meter (SN 221558) on 5/18/06.

At the time of the survey, the compressors stored at Bernalillo Compressor Station were not considered NORM contaminated. The NORM readings did not approach the standard of 50 mR/hr for equipment, sludge, and scale or 1000 dpm per 100 centimeter square (smear test/wipe). The NORM survey was limited by lack of access to interior of equipment to accurately measure alpha/beta and by the time lapse since the last time the station operated to accurately measure gamma.

APPENDIX A

DOMESTIC WATER WELL (RG-47501)
PLUGGING REPORT

FILED WITH THE OFFICE OF THE STATE ENGINEER
July 12, 2006

METRIC
Corporation ENVIRONMENTAL ENGINEERING AND SCIENCE

July 12, 2006

Office of the State Engineer
Springer Square building
121 Tijeras, NE. Suite 2000
Albuquerque, NM. 87102

Dear Sir or Madam:

On behalf of Gas Company of New Mexico/PNM Resources, we are submitting the attached plugging report for Well RG-47501, which was plugged and abandoned on June 20, 2006.

If you have any questions, please contact me.

Sincerely,

METRIC Corporation

Gary L. Richardson, P.E.
Executive Vice President

Attachment

Cc: John Ferraiuolo w/attach

GLR/mkd

• 6201A PAN AMERICAN FWY. NE★ALBUQUERQUE, NM 87109★Phone: 505-828-2801★Fax: 505-828-2803★E-mail: metenviro@aol.com
• 431C LUNA AVE.★P.O. BOX 1591★LOS LUNAS, NM 87031★Phone: 505-866-1602★Fax: 505-866-1416★E-mail: metenviroll@aol.com

File Number: RG-47501

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Gas Company of NM/PNM Resources Work Phone: 505-241-4871
Contact: John Ferraiuolo Home Phone: _____
Address: Alvarado Square, MS 0408

City: Albuquerque State: NM Zip: 87158

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 NE 1/4 SE 1/4 Section: 29 Township: 13N Range: 4W N.M.P.M.
in _____ County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: _____d _____m _____s Longitude: _____d _____m _____s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: RG-47501

I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: WD - 225
Name: Rodger & Company, Inc. Work Phone: 505-877-1030
Agent: Clarence Rodgers Home Phone: _____
Mailing Address: 2615 Isleta Blvd, SW.

City: Albuquerque State: NM Zip: 87105

4. DRILLING RECORD

Drilling began: _____; Completed: _____; Type tools: _____;
Size of hole: _____ in.; Total depth of well: _____ ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To
8⅝ o.d.					165			

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement

8. PLUGGING RECORD

Plugging Contractor: Rodgers & Company, Incorporated
Address: 2615 Isleta Blvd, SW. Albuquerque, NM. 87105
Plugging Method: See Section 10
Date Well Plugged: June 20, 2006

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feetof Cement
1	0′	140′	63.5
2			
3			
4			
5			

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To	Thickness in feet	Color and Type of Material Encountered

File Number: RG-47501

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The well casing was perforated at 20 ft., 42 ft. and 60 feet using a Mills Knife. Eight perforations spaced at 45° were made at each depth. The perforations were made to allow grout to seal any gravel pack in the annular space outside the casing. The grout was introduced into the bottom of the casing using a tremie pipe. Subsequent to displacing the water out of the well casing, the top of the casing was sealed and the well was pressure grouted at 50 psi. The total volume of grout placed is equal to 130% of the well casing volume.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Gary L Richardson — Engineer

07/12/2006 (mm/dd/year)

Gary C. Richardson, P.E.

==========

FOR STATE ENGINEER USE ONLY

Quad ____; FWL ____; FSL ____; Use _____; Location No. _____

APPENDIX B

OIL CONSERVATION DIVISION
RELEASE NOTIFICATION AND CORRECTIVE ACTION

FORM C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company: Public Service Company of New Mexico	Contact: John Ferraiuolo Site Contact: Kevin Lawrence
Address: Alvarado Square Albuquerque, NM 87158	Telephone No. (505) 241-4871 (505) 241-3749
Facility Name: PNM Bernalillo Compressor Station, one mile northeast of Bernalillo on State Road 313.	Facility Type: Natural Gas Compressor Station

Surface Owner: PNM	Mineral Owner: PNM	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
--	29	13N	4E	--	--	--	--	Sandoval

Latitude____--____ **Longitude**____--____

NATURE OF RELEASE

Type of Release: Based on analytical results petroleum hydrocarbons. The source of the discharge is unknown. Six composite soil samples were collected by PNM for laboratory analyses. The sample were analyzed using EPA method 8260B by Pinnacle Laboratory, Inc. and by methods 8015B, 8082, 6010B, 7471A, 8270-SIMS, General Chemistry Methods, and 1664 by Flowers Chemical Laboratories, Inc. Analytical results are summarized in Table 1 and copies of the analytical results are attached.	Volume of Release: Unknown	Volume Recovered: None - Historic
Source of Release: Unknown, from equipment in the compressor building.	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 12/7/06
Was Immediate Notice Given? Upon Discovery X Yes ☐ No ☐ Not Required	If YES, To Whom? Wayne Price, OCD	
By Whom? John Ferraiuolo, PNM	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*

Discolored soil was observed from a historic release during the demolition of the compressor building concrete slab and footers.

Describe Area Affected and Cleanup Action Taken.*

An area approximately 30-ft. by 70-ft. by 3-4-ft. has been excavated in the process of removing the compressor building concrete footers and pad. Some discolored soil has been placed in a pile adjacent to the excavation. The excavation has been left open since 12/7/06.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: John Ferraiuolo	Approved by District Supervisor:	
Title: Environmental Technical Projects Manager	Approval Date:	Expiration Date:
E-mail Address: jferrai@pnm.com	Conditions of Approval:	Attached ☐
Date: 2/2/07 Phone: 505-241-4871		

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company: Public Service Company of New Mexico	Contact: John Ferraiuolo Site Contact: Kevin Lawrence
Address: Alvarado Square Albuquerque, NM 87158	Telephone No. (505) 241-4871 (505) 241-3749
Facility Name: PNM Bernalillo Compressor Station, one mile northeast of Bernalillo on State Road 313.	Facility Type: Natural Gas Compressor Station

Surface Owner: PNM	Mineral Owner: PNM	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
--	29	13N	4E	--	--	--	--	Sandoval

Latitude_____--_____ **Longitude**_____--_____

NATURE OF RELEASE

Type of Release: Based on analytical results petroleum hydrocarbons. The source of the discharge is unknown. Six composite soil samples were collected by PNM for laboratory analyses. The sample were analyzed using EPA method 8260B by Pinnacle Laboratory, Inc. and by methods 8015B, 8082, 6010B, 7471A, 8270-SIMS, General Chemistry Methods, and 1664 by Flowers Chemical Laboratories, Inc. Analytical results are summarized in Table 1 and copies of the analytical results are attached.	Volume of Release: Unknown	Volume Recovered: None - Historic
Source of Release: Unknown, from equipment in the compressor building.	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 12/7/06
Was Immediate Notice Given? Upon Discovery X Yes ☐ No ☐ Not Required	If YES, To Whom? Wayne Price, OCD	
By Whom? John Ferraiuolo, PNM	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*

Discolored soil was observed from a historic release during the demolition of the compressor building concrete slab and footers.

Describe Area Affected and Cleanup Action Taken.*

An area approximately 30-ft. by 70-ft. by 3-4-ft. has been excavated in the process of removing the compressor building concrete footers and pad. Some discolored soil has been placed in a pile adjacent to the excavation. The excavation has been left open since 12/7/06.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: John Ferraiuolo	Approved by District Supervisor:	
Title: Environmental Technical Projects Manager	Approval Date:	Expiration Date:
E-mail Address: jferrai@pnm.com	Conditions of Approval:	Attached ☐
Date: 2/2/07 Phone: 505-241-4871		

* Attach Additional Sheets If Necessary

APPENDIX C

GROUNDWATER
ANNALYTICAL REPORT

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **606114**
July 17, 2006

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-MS2104
ALBUQUERQUE, NM 87158

Project Name BERN COMP ST.
Project Number (NONE)

Attention: JOHN FERRAIUOLO

On 06/19/06 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8260 and pH analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 606114
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/06
PROJECT NAME	: BERN COMP ST.	REPORT DATE	: 07/17/06

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
606114 - 01	BCSW	AQUEOUS	06/19/06
606114 - 02	TRIP BLANK	AQUEOUS	04/25/06

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D. :	606114
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED :	06/19/06
PROJECT #	: (NONE)	INSTRUMENT ID :	GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST :	BP

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
606114-01	BCSW	AQUEOUS	06/19/06	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	5.0	< 5.0	ug/L
Chloromethane (74-87-3)	5.0	< 5.0	ug/L
Vinyl Chloride (75-01-4)	5.0	< 5.0	ug/L
Bromomethane (74-83-9)	5.0	< 5.0	ug/L
Chloroethane (75-00-3)	5.0	< 5.0	ug/L
Trichlorofluoromethane (75-69-4)	5.0	< 5.0	ug/L
Acetone (67-64-1)	10	< 10	ug/L
Acrolein (107-02-8)	10	< 10	ug/L
1,1-Dichloroethene (75-35-4)	1.0	< 1.0	ug/L
Iodomethane (74-88-4)	5.0	< 5.0	ug/L
Methylene Chloride (75-09-2)	1.0	< 1.0	ug/L
Acrylonitrile (107-13-1)	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene (156-59-2)	1.0	< 1.0	ug/L
Methyl-t-butyl Ether (1634-04-4)	1.0	< 1.0	ug/L
1,1,2-Trichlorotrifluoroethane (76-13-1)	5.0	< 5.0	ug/L
1,1-Dichloroethane (75-34-3)	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene (156-60-5)	1.0	< 1.0	ug/L
2-Butanone (78-93-3)	10	< 10	ug/L
Carbon Disulfide (75-15-0)	1.0	< 1.0	ug/L
Bromochloromethane (74-97-5)	1.0	< 1.0	ug/L
Chloroform (67-66-3)	1.0	< 1.0	ug/L
2,2-Dichloropropane (594-20-7)	1.0	< 1.0	ug/L
1,2-Dichloroethane (107-06-2)	1.0	< 1.0	ug/L
Vinyl Acetate (108-05-4)	5.0	< 5.0	ug/L
1,1,1-Trichloroethane (71-55-6)	1.0	< 1.0	ug/L
1,1-Dichloropropene (563-58-6)	1.0	< 1.0	ug/L
Carbon Tetrachloride (56-23-5)	1.0	< 1.0	ug/L
Benzene (71-43-2)	1.0	< 1.0	ug/L
1,2-Dichloropropane (78-87-5)	1.0	< 1.0	ug/L
Trichloroethene (79-01-6)	1.0	< 1.0	ug/L
Bromodichloromethane (75-27-4)	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether (110-75-8)	10	< 10	ug/L
cis-1,3-Dichloropropene (10061-01-5)	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene (10061-02-6)	1.0	< 1.0	ug/L
1,1,2-Trichloroethane (79-00-5)	1.0	< 1.0	ug/L
1,3-Dichloropropane (142-28-9)	1.0	< 1.0	ug/L
Dibromomethane (74-95-3)	1.0	< 1.0	ug/L
Toluene (108-88-3)	**1.0**	0.002.2 mg/L	**ug/L**
1,2-Dibromoethane (106-93-4)	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone (108-10-1)	10	< 10	ug/L
2-Hexanone (591-78-6)	10	< 10	ug/L
Dibromochloromethane (124-48-1)	1.0	< 1.0	ug/L
Tetrachloroethene (127-18-4)	1.0	< 1.0	ug/L
Chlorobenzene (108-90-7)	1.0	< 1.0	ug/L

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 606114
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 06/19/06
PROJECT #	: (NONE)	INSTRUMENT ID	: GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST	: BP

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
606114-01	BCSW	AQUEOUS	06/19/06	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane (630-20-6)	1.0	< 1.0	ug/L
m&p Xylenes (108-38-3, 106-42-3)	2.0	< 2.0	ug/L
o-Xylene (95-47-6)	1.0	< 1.0	ug/L
Styrene (100-42-5)	1.0	< 1.0	ug/L
Bromoform (75-25-2)	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane (79-34-5)	2.0	< 2.0	ug/L
1,2,3-Trichloropropane (96-18-4)	2.0	< 2.0	ug/L
Isopropyl Benzene (98-82-8)	1.0	< 1.0	ug/L
Bromobenzene (108-86-1)	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene (110-57-6)	2.0	< 2.0	ug/L
n-Propylbenzene (103-65-1)	1.0	< 1.0	ug/L
2-Chlorotoluene (95-49-8)	1.0	< 1.0	ug/L
4-Chlorotoluene (106-43-4)	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene (108-67-8)	1.0	< 1.0	ug/L
tert-Butylbenzene (98-06-6)	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene (95-63-6)	1.0	< 1.0	ug/L
sec-Butylbenzene (135-98-8)	1.0	< 1.0	ug/L
1,3-Dichlorobenzene (541-73-1)	1.0	< 1.0	ug/L
1,4-Dichlorobenzene (106-46-7)	1.0	< 1.0	ug/L
p-Isopropyltoluene (99-87-6)	1.0	< 1.0	ug/L
1,2-Dichlorobenzene (95-50-1)	1.0	< 1.0	ug/L
n-Butylbenzene (104-51-8)	1.0	< 1.0	ug/L
1,2-Dibromo-3-chloropropane (96-12-8)	5.0	< 5.0	ug/L
1,2,4-Trichlorobenzene (120-82-1)	2.0	< 2.0	ug/L
Naphthalene (91-20-3)	3.0	< 3.0	ug/L
Hexachlorobutadiene (87-68-3)	2.0	< 2.0	ug/L
1,2,3-Trichlorobenzene (87-61-6)	2.0	< 2.0	ug/L

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	87	(76 - 114)
Toluene-d8	93	(88 - 110)
Bromofluorobenzene	87	(86 - 115)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 606114
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 06/19/06
PROJECT #	: (NONE)	INSTRUMENT ID	: GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST	: BP

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
606114-02	TRIP BLANK	AQUEOUS	04/25/2006 - T1	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	5.0	< 5.0	ug/L
Chloromethane (74-87-3)	5.0	< 5.0	ug/L
Vinyl Chloride (75-01-4)	5.0	< 5.0	ug/L
Bromomethane (74-83-9)	5.0	< 5.0	ug/L
Chloroethane (75-00-3)	5.0	< 5.0	ug/L
Trichlorofluoromethane (75-69-4)	5.0	< 5.0	ug/L
Acetone (67-64-1)	10	< 10	ug/L
Acrolein (107-02-8)	10	< 10	ug/L
1,1-Dichloroethene (75-35-4)	1.0	< 1.0	ug/L
Iodomethane (74-88-4)	5.0	< 5.0	ug/L
Methylene Chloride (75-09-2)	1.0	< 1.0	ug/L
Acrylonitrile (107-13-1)	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene (156-59-2)	1.0	< 1.0	ug/L
Methyl-t-butyl Ether (1634-04-4)	1.0	< 1.0	ug/L
1,1,2-Trichlorotrifluoroethane (76-13-1)	5.0	< 5.0	ug/L
1,1-Dichloroethane (75-34-3)	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene (156-60-5)	1.0	< 1.0	ug/L
2-Butanone (78-93-3)	10	< 10	ug/L
Carbon Disulfide (75-15-0)	1.0	< 1.0	ug/L
Bromochloromethane (74-97-5)	1.0	< 1.0	ug/L
Chloroform (67-66-3)	1.0	< 1.0	ug/L
2,2-Dichloropropane (594-20-7)	1.0	< 1.0	ug/L
1,2-Dichloroethane (107-06-2)	1.0	< 1.0	ug/L
Vinyl Acetate (108-05-4)	5.0	< 5.0	ug/L
1,1,1-Trichloroethane (71-55-6)	1.0	< 1.0	ug/L
1,1-Dichloropropene (563-58-6)	1.0	< 1.0	ug/L
Carbon Tetrachloride (56-23-5)	1.0	< 1.0	ug/L
Benzene (71-43-2)	1.0	< 1.0	ug/L
1,2-Dichloropropane (78-87-5)	1.0	< 1.0	ug/L
Trichloroethene (79-01-6)	1.0	< 1.0	ug/L
Bromodichloromethane (75-27-4)	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether (110-75-8)	10	< 10	ug/L
cis-1,3-Dichloropropene (10061-01-5)	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene (10061-02-6)	1.0	< 1.0	ug/L
1,1,2-Trichloroethane (79-00-5)	1.0	< 1.0	ug/L
1,3-Dichloropropane (142-28-9)	1.0	< 1.0	ug/L
Dibromomethane (74-95-3)	1.0	< 1.0	ug/L
Toluene (108-88-3)	1.0	< 1.0	ug/L
1,2-Dibromoethane (106-93-4)	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone (108-10-1)	10	< 10	ug/L
2-Hexanone (591-78-6)	10	< 10	ug/L
Dibromochloromethane (124-48-1)	1.0	< 1.0	ug/L
Tetrachloroethene (127-18-4)	1.0	< 1.0	ug/L
Chlorobenzene (108-90-7)	1.0	< 1.0	ug/L

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 606114
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 06/19/06
PROJECT #	: (NONE)	INSTRUMENT ID	: GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST	: BP

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
606114-02	TRIP BLANK	AQUEOUS	04/25/2006 - T1	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane (630-20-6)	1.0	< 1.0	ug/L
m&p Xylenes (108-38-3, 106-42-3)	2.0	< 2.0	ug/L
o-Xylene (95-47-6)	1.0	< 1.0	ug/L
Styrene (100-42-5)	1.0	< 1.0	ug/L
Bromoform (75-25-2)	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane (79-34-5)	2.0	< 2.0	ug/L
1,2,3-Trichloropropane (96-18-4)	2.0	< 2.0	ug/L
Isopropyl Benzene (98-82-8)	1.0	< 1.0	ug/L
Bromobenzene (108-86-1)	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene (110-57-6)	2.0	< 2.0	ug/L
n-Propylbenzene (103-65-1)	1.0	< 1.0	ug/L
2-Chlorotoluene (95-49-8)	1.0	< 1.0	ug/L
4-Chlorotoluene (106-43-4)	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene (108-67-8)	1.0	< 1.0	ug/L
tert-Butylbenzene (98-06-6)	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene (95-63-6)	1.0	< 1.0	ug/L
sec-Butylbenzene (135-98-8)	1.0	< 1.0	ug/L
1,3-Dichlorobenzene (541-73-1)	1.0	< 1.0	ug/L
1,4-Dichlorobenzene (106-46-7)	1.0	< 1.0	ug/L
p-Isopropyltoluene (99-87-6)	1.0	< 1.0	ug/L
1,2-Dichlorobenzene (95-50-1)	1.0	< 1.0	ug/L
n-Butylbenzene (104-51-8)	1.0	< 1.0	ug/L
1,2-Dibromo-3-chloropropane (96-12-8)	5.0	< 5.0	ug/L
1,2,4-Trichlorobenzene (120-82-1)	2.0	< 2.0	ug/L
Naphthalene (91-20-3)	3.0	< 3.0	ug/L
Hexachlorobutadiene (87-68-3)	2.0	< 2.0	ug/L
1,2,3-Trichlorobenzene (87-61-6)	2.0	< 2.0	ug/L

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	88	(76 - 114)
Toluene-d8	94	(88 - 110)
Bromofluorobenzene	87	(86 - 115)

CHEMIST NOTE: T1 = Trip Blank was received past the 14 day hold time.

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D. :	606114
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT ID :	GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST :	BP

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	061906A	AQUEOUS	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	5.0	< 5.0	ug/L
Chloromethane (74-87-3)	5.0	< 5.0	ug/L
Vinyl Chloride (75-01-4)	5.0	< 5.0	ug/L
Bromomethane (74-83-9)	5.0	< 5.0	ug/L
Chloroethane (75-00-3)	5.0	< 5.0	ug/L
Trichlorofluoromethane (75-69-4)	5.0	< 5.0	ug/L
Acetone (67-64-1)	10	< 10	ug/L
Acrolein (107-02-8)	10	< 10	ug/L
1,1-Dichloroethene (75-35-4)	1.0	< 1.0	ug/L
Iodomethane (74-88-4)	5.0	< 5.0	ug/L
Methylene Chloride (75-09-2)	1.0	< 1.0	ug/L
Acrylonitrile (107-13-1)	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene (156-59-2)	1.0	< 1.0	ug/L
Methyl-t-butyl Ether (1634-04-4)	1.0	< 1.0	ug/L
1,1,2-Trichlorotrifluoroethane (76-13-1)	5.0	< 5.0	ug/L
1,1-Dichloroethane (75-34-3)	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene (156-60-5)	1.0	< 1.0	ug/L
2-Butanone (78-93-3)	10	< 10	ug/L
Carbon Disulfide (75-15-0)	1.0	< 1.0	ug/L
Bromochloromethane (74-97-5)	1.0	< 1.0	ug/L
Chloroform (67-66-3)	1.0	< 1.0	ug/L
2,2-Dichloropropane (594-20-7)	1.0	< 1.0	ug/L
1,2-Dichloroethane (107-06-2)	1.0	< 1.0	ug/L
Vinyl Acetate (108-05-4)	5.0	< 5.0	ug/L
1,1,1-Trichloroethane (71-55-6)	1.0	< 1.0	ug/L
1,1-Dichloropropene (563-58-6)	1.0	< 1.0	ug/L
Carbon Tetrachloride (56-23-5)	1.0	< 1.0	ug/L
Benzene (71-43-2)	1.0	< 1.0	ug/L
1,2-Dichloropropane (78-87-5)	1.0	< 1.0	ug/L
Trichloroethene (79-01-6)	1.0	< 1.0	ug/L
Bromodichloromethane (75-27-4)	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether (110-75-8)	10	< 10	ug/L
cis-1,3-Dichloropropene (10061-01-5)	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene (10061-02-6)	1.0	< 1.0	ug/L
1,1,2-Trichloroethane (79-00-5)	1.0	< 1.0	ug/L
1,3-Dichloropropane (142-28-9)	1.0	< 1.0	ug/L
Dibromomethane (74-95-3)	1.0	< 1.0	ug/L
Toluene (108-88-3)	1.0	< 1.0	ug/L
1,2-Dibromoethane (106-93-4)	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone (108-10-1)	10	< 10	ug/L
2-Hexanone (591-78-6)	10	< 10	ug/L
Dibromochloromethane (124-48-1)	1.0	< 1.0	ug/L
Tetrachloroethene (127-18-4)	1.0	< 1.0	ug/L
Chlorobenzene (108-90-7)	1.0	< 1.0	ug/L

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D. :	606114
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT ID :	GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST :	BP

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	061906A	AQUEOUS	N/A	06/19/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane (630-20-6)	1.0	< 1.0	ug/L
m&p Xylenes (108-38-3, 106-42-3)	2.0	< 2.0	ug/L
o-Xylene (95-47-6)	1.0	< 1.0	ug/L
Styrene (100-42-5)	1.0	< 1.0	ug/L
Bromoform (75-25-2)	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane (79-34-5)	2.0	< 2.0	ug/L
1,2,3-Trichloropropane (96-18-4)	2.0	< 2.0	ug/L
Isopropyl Benzene (98-82-8)	1.0	< 1.0	ug/L
Bromobenzene (108-86-1)	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene (110-57-6)	2.0	< 2.0	ug/L
n-Propylbenzene (103-65-1)	1.0	< 1.0	ug/L
2-Chlorotoluene (95-49-8)	1.0	< 1.0	ug/L
4-Chlorotoluene (106-43-4)	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene (108-67-8)	1.0	< 1.0	ug/L
tert-Butylbenzene (98-06-6)	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene (95-63-6)	1.0	< 1.0	ug/L
sec-Butylbenzene (135-98-8)	1.0	< 1.0	ug/L
1,3-Dichlorobenzene (541-73-1)	1.0	< 1.0	ug/L
1,4-Dichlorobenzene (106-46-7)	1.0	< 1.0	ug/L
p-Isopropyltoluene (99-87-6)	1.0	< 1.0	ug/L
1,2-Dichlorobenzene (95-50-1)	1.0	< 1.0	ug/L
n-Butylbenzene (104-51-8)	1.0	< 1.0	ug/L
1,2-Dibromo-3-chloropropane (96-12-8)	5.0	< 5.0	ug/L
1,2,4-Trichlorobenzene (120-82-1)	2.0	< 2.0	ug/L
Naphthalene (91-20-3)	3.0	< 3.0	ug/L
Hexachlorobutadiene (87-68-3)	2.0	< 2.0	ug/L
1,2,3-Trichlorobenzene (87-61-6)	2.0	< 2.0	ug/L

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	90	(76 - 114)
Toluene-d8	95	(88 - 110)
Bromofluorobenzene	89	(86 - 115)

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PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 606114
BATCH	: 061906A	DATE ANALYZED	: 06/19/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: ug/L (PPB)
PROJECT #	: (NONE)	INSTRUMENT ID	: GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST	: BP

COMPOUND	SPIKE ADDED	LCS RESULT	LCS % RECOVERY	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	50.0	49.3	99	61-145
BENZENE	50.0	50.2	100	76-127
TRICHLOROETHENE	50.0	46.0	92	71-120
TOLUENE	50.0	46.5	93	76-125
CHLOROBENZENE	50.0	51.3	103	75-130

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PINNACLE LABS
Environmental Testing

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 606114
SPIKED SAMPLE	: 606102-11	DATE ANALYZED	: 06/19/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: ug/L (PPB)
PROJECT #	: (NONE)	INSTRUMENT ID	: GC/MS2
PROJECT NAME	: BERN COMP ST.	ANALYST	: BP

COMPOUND	SAMPLE CONC.	SPIKE ADDED	MS RESULT	MSD RESULT	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<1.0	50.0	48.2	43.6	96	87	10	14	61-145
BENZENE	<1.0	50.0	48.4	44.8	97	90	8	11	76-127
TRICHLOROETHENE	<1.0	50.0	44.4	41.2	89	82	7	14	71-120
TOLUENE	<1.0	50.0	45.0	41.6	90	83	8	13	76-125
CHLOROBENZENE	<1.0	50.0	49.8	46.3	100	93	7	13	75-130

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE I.D.	: 606114
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/06
PROJECT NAME	: BERN COMP ST.	ANALYST	: AE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	BCSW	AQUEOUS	06/19/06	06/19/06

PARAMETER	BCSW
PH (150.1)	7.4
TEMPERATURE (°C)	21.4

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE I.D.	: 606114
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: BERN COMP ST.	DATE ANALYZED	: 06/19/06

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	606114-01	7.37	7.48	1
TEMPERATURE (°C)		21.4	21.0	

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Report Summary

Date Received: Jun 20, 2006

FCL Project Manager: June S. Flowers

Laboratory #	*Sample Description*	*Analysis*	*Chemist*	*Location*	*SampleMatrix*
18142GW1	BCSW/606114-01	EPA200.8	EVB	Main Lab	Ground Water
		EPA245.1	EVB	Main Lab	
		EPA8270	CLS	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Albuquerque,NM 87107

PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Analysis Report

Lab #: 18142GW1 Sampled: 06/19/06 12:54 PMDesc: BCSW/606114.01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.000200 U	mg/L	1.00	0.000200	0.000400	10064403	EPA245.1	7439-97-6	06/22/06
Antimony	0.00100 U	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-36-0	06/26/06
Arsenic	0.0594	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-38-2	06/26/06
Beryllium	0.00100 U	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-41-7	06/26/06
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-43-9	06/26/06
Chromium	0.00450	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-47-3	06/26/06
Copper	0.00590	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-50-8	06/26/06
Lead	0.00820	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7439-92-1	06/26/06
Nickel	0.00110 I	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-02-0	06/26/06
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10064650	EPA200.8	7782-49-2	06/26/06
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10064650	EPA200.8	7440-22-4	06/26/06
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10064650	EPA200.8	7440-28-0	06/26/06
Zinc	0.529	mg/L	1.00	0.0100	0.0200	10064650	EPA200.8	7440-66-6	06/26/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	090-12-0	07/05/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	91-57-6	07/05/06
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	83-32-9	07/05/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	208-96-8	07/05/06
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	120-12-7	07/05/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	56-55-3	07/05/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	50-32-8	07/05/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	205-99-2	07/05/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	191-24-2	07/05/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	207-08-9	07/05/06
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	218-01-9	07/05/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	53-70-3	07/05/06
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	206-44-0	07/05/06
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	86-73-7	07/05/06

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Albuquerque,NM 87107

PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Lab #: 18142GW1 Sampled: 06/19/06 12:54 PMDesc: BCSW/606114-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	193-39-5	07/05/06
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	91-20-3	07/05/06
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	85-01-8	07/05/06
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10064693	EPA8270	129-00-0	07/05/06
Surr:2-Fluorobiphenyl (80-120%)	54.88%		1.00	0.0100	0.0200	10064693	EPA8270	321-60-8	07/05/06
Surr:Nitrobenzene-d5 (80-120%)	78.84%		1.00	0.0100	0.400	10064693	EPA8270		07/05/06
Surr:Terphenyl-d14 (80-120%)	78.58%		1.00	0.0100	0.0200	10064693	EPA8270		07/05/06

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Albuquerque,NM 87107

PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Quality Report

Quality Control Batch: 10064403 **Analyst: EVB**

Blank	Result	Units
Mercury	0.00100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Mercury	0.00484	mg/L	0.00500	96.77	64.89-136.65

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.00484	mg/L	0.00500	96.77	50.07-153.27	0.00400U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00498	mg/L	0.00500	99.53	50.07-153.27	0.00400U	2.81	26.10

Quality Control Batch: 10064650 **Analyst: EVB**

Blank	Result	Units
Antimony	0.00100U	mg/L
Arsenic	0.000100U	mg/L
Beryllium	0.00100U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.000100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim

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PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Quality Control Batch: 10064650 **Analyst: EVB**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.188	mg/L	0.200	93.75	66.12-135.60
Arsenic	0.175	mg/L	0.200	87.30	56.57-139.73
Beryllium	0.206	mg/L	0.200	102.90	64.50-136.98
Cadmium	0.186	mg/L	0.200	92.95	66.74-135.14
Chromium	0.186	mg/L	0.200	93.05	65.66-136.16
Copper	0.200	mg/L	0.200	100.00	63.28-137.26
Lead	0.195	mg/L	0.200	97.70	60.18-137.28
Nickel	0.185	mg/L	0.200	92.35	58.15-138.43
Selenium	0.177	mg/L	0.200	88.65	64.08-136.56
Silver	0.184	mg/L	0.200	91.85	62.33-136.79
Thallium	0.224	mg/L	0.200	111.95	61.75-137.41
Zinc	0.218	mg/L	0.200	109.20	64.62-136.86

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.219	mg/L	0.200	108.25	51.44-152.18	0.00290
Arsenic	0.214	mg/L	0.200	100.00	48.75-149.85	0.0135
Beryllium	0.219	mg/L	0.200	109.50	49.65-154.29	0.00100U
Cadmium	0.203	mg/L	0.200	100.40	52.36-151.66	0.00180
Chromium	0.220	mg/L	0.200	93.40	50.72-152.72	0.0328
Copper	0.291	mg/L	0.200	82.45	49.71-151.17	0.126
Lead	0.202	mg/L	0.200	100.50	51.28-146.92	0.00110
Nickel	0.192	mg/L	0.200	85.60	49.80-147.48	0.0205
Selenium	0.200	mg/L	0.200	100.20	49.75-151.93	0.00200U
Silver	0.197	mg/L	0.200	97.35	50.27-148.85	0.00220
Thallium	0.234	mg/L	0.200	117.10	51.28-148.96	0.00100U
Zinc	0.250	mg/L	0.200	81.10	49.40-153.86	0.0873

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.215	mg/L	0.200	105.85	51.44-152.18	0.00290	2.21	26.19

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PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
Jul 6, 2006; Invoice: 18142

Quality Control Batch: 10064650 **Analyst: EVB**

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Arsenic	0.215	mg/L	0.200	100.80	48.75-149.85	0.0135	0.75	24.47
Beryllium	0.223	mg/L	0.200	111.65	49.65-154.29	0.00100U	1.94	26.51
Cadmium	0.199	mg/L	0.200	98.40	52.36-151.66	0.00180	1.99	25.87
Chromium	0.220	mg/L	0.200	93.65	50.72-152.72	0.0328	0.23	26.11
Copper	0.295	mg/L	0.200	84.75	49.71-151.17	0.126	1.57	26.96
Lead	0.197	mg/L	0.200	97.75	51.28-146.92	0.00110	2.76	26.44
Nickel	0.193	mg/L	0.200	86.00	49.80-147.48	0.0205	0.42	24.79
Selenium	0.203	mg/L	0.200	101.30	49.75-151.93	0.00200U	1.09	26.79
Silver	0.191	mg/L	0.200	94.50	50.27-148.85	0.00220	2.94	27.36
Thallium	0.227	mg/L	0.200	113.55	51.28-148.96	0.00100U	3.08	26.94
Zinc	0.258	mg/L	0.200	85.55	49.40-153.86	0.0873	3.50	26.25

Quality Control Batch: 10064693 **Analyst: CLS**

Blank	Result	Units
Surr:Nitrobenzene-d5	32.4	ug/L
Surr:Terphenyl-d14	40.5	ug/L
Surr:2-Fluorobiphenyl	26.7	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Surr:Nitrobenzene-d5	40.3	ug/L	50.0	80.50	80.00-120.00
Surr:Terphenyl-d14	43.9	ug/L	50.0	87.86	80.00-120.00
Surr:2-Fluorobiphenyl	31.5	ug/L	50.0	62.90	80.00-120.00

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PO #: 606114
Client Project #: BVM
Date Sampled: Jun 19, 2006
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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	*Results based upon colony plate count outside ideal range.*
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 6/19/06 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)		TOC	Gen Chemistry:			Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310/8270 SIMS)	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
BCSW/606114-01	6/19/06	1254	GW	18142GW1			X													X								

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:	
PROJECT #: 606114		Total Number of Containers		PENSACOLA - STL-FL	
PROJ. NAME: BNM		Chain of Custody Seals		ESL - OR	
QC LEVEL: STD. IV		Received Intact?		ATEL - AZ	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - MARION	
TAT: STANDARD RUSH!!		LAB NUMBER:		ATEL - MELMORE	
				FCL	X
DUE DATE: 7/3/06	COMMENTS:			EHL	
RUSH SURCHARGE: —				GEL	
CLIENT DISCOUNT: —				WCAS	
SPECIAL CERTIFICATION REQUIRED: YES NO	3.1°C			WOHL	

RELINQUISED BY: 1.	RELINQUISED BY: 2.
Signature: Greg M. Sexton Time: 1200	Signature: Time:
Printed Name: Greg M. Sexton Date: 6/19/06	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time:	Signature: Time: 1201
Printed Name: Date:	Printed Name: Date: 6/20/06
Company	Company FCL

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 6/19/06 PAGE: 1 OF 1

PLI Accession #: 606114

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John Ferraiuolo

COMPANY: Public Service CO. of NM

ADDRESS: Alvarado Sq. MS2104
Alb. NM 87158

PHONE: 505-241-4871

FAX: -2376

BILL TO: Same

COMPANY:

ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
BCSW	6/19/06	1254	AQ	01
~~Trip Blank~~				
Trip blank	6/14/06	0778	AQ	02

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
										X						X		X	X					4
										X														2

WEEKEND ANALYSES MAY RESULT IN AN additional SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	Bern Comp 36
P.O. NO.:	
SHIPPED VIA:	

SAMPLE RECEIPT	
NO CONTAINERS	9
CUSTODY SEALS	Y/N/NA
RECEIVED INTACT	Y
BLUE ICE/ICE	4.2°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒

*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER

METHANOL PRESERVATION ☐ METALS ☐TOTAL ☐DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1430	Signature: Time:
Printed Name: Date: 6/19/06 John Ferraiuolo	Printed Name: Date:
Company: PNM	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 1430
Printed Name: Date:	Printed Name: Date: 6/19/06
Company:	Pinnacle Laboratories Inc.

APPENDIX D

SOIL
ANNALYTICAL REPORTS

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **612059**
January 12, 2007

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-MS2104
ALBUQUERQUE, NM 87158

Project Name BCS
Project Number (NONE)

Attention: JOHN FERRAIUOLO

On 12/07/2006 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow analyses are enclosed.

Review of the Cation/Anion Balance Calculations shows strong disagreement between the Cation values (high) and the Anion values (low). Cations are based on metals analyses, which consume the entire samples. Anion samples, on the other hand, are analyzed by leaching into water and performing the analyses in the aqueous phase. The samples exhibit low concentrations for common anions (chloride and sulfate). However, for several of the samples, unusually high carbonate results were obtained.

Based on the alkalinity values, it is our belief that the anion balance is weighted low because the carbonate form of the metal is present in the sample and is insoluble. Consequently, the cation and anions do not balance.

This report is now complete. A partial report was issued on December 14, 2006.

EPA method 8260 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

Total alkalinity and fluoride analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altamonte Springs, FL.

All other analyses were performed by Severn Trent Laboratories, Inc. (STL), Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 612059
PROJECT #	: (NONE) 12-Jan-07	DATE RECEIVED	: 12/07/2006
PROJECT NAME	: BCS	REPORT DATE	: 01/12/2007

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
612059 - 01	BCS-1	NON-AQ	12/07/2006
612059 - 02	BCS-2	NON-AQ	12/07/2006
612059 - 03	BCS-3	NON-AQ	12/07/2006
612059 - 04	BCS-4	NON-AQ	12/07/2006

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-01	BCS-1	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-01	BCS-1	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	80	(70 - 121)
Toluene-d8	95	(84 - 138)
Bromofluorobenzene	89	(59 - 113)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-02	BCS-2	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-02	BCS-2	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	80 (70 - 121)
Toluene-d8	98 (84 - 138)
Bromofluorobenzene	92 (59 - 113)

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-03	BCS-3	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-03	BCS-3	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	78	(70 - 121)
Toluene-d8	87	(84 - 138)
Bromofluorobenzene	81	(59 - 113)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-04	BCS-4	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/07/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612059-04	BCS-4	SOIL	12/07/06	12/07/06	12/11/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	**0.25**	**0.65**	**MG/KG**
1-Methyl Naphthalene (90-12-0)	**0.25**	**0.45**	**MG/KG**

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	80	(70 - 121)
Toluene-d8	89	(84 - 138)
Bromofluorobenzene	85	(59 - 113)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	120806E	SOIL	12/07/06	12/08/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	120806E	SOIL	12/07/06	12/08/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	100 (70 - 121)
Toluene-d8	110 (84 - 138)
Bromofluorobenzene	102 (59 - 113)

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	121106E2	SOIL	12/08/06	12/11/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	121106E2	SOIL	12/08/06	12/11/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	93 (70 - 121)
Toluene-d8	108 (84 - 138)
Bromofluorobenzene	101 (59 - 113)

PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE / SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
BATCH	: 120806E	DATE ANALYZED	: 12/08/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	BLANK CONC.	SPIKE ADDED	LCS RESULT	LCSD RESULT	LCS %REC	LCSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.51	2.47	100	99	2	22	59-172
BENZENE	<0.05	2.50	2.47	2.46	99	98	0	21	66-142
TRICHLOROETHENE	<0.05	2.50	2.41	2.37	96	95	2	24	62-137
TOLUENE	<0.05	2.50	3.08	3.12	123	125	1	21	59-139
CHLOROBENZENE	<0.05	2.50	2.31	2.35	92	94	2	21	60-133

Chemist's Note: Prep batch 120706E.

PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE / SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
BATCH	: 121106E2	DATE ANALYZED	: 12/11/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	BLANK CONC.	SPIKE ADDED	LCS RESULT	LCSD RESULT	LCS %REC	LCSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.35	2.46	94	98	5	22	59-172
BENZENE	<0.05	2.50	2.32	2.42	93	97	4	21	66-142
TRICHLOROETHENE	<0.05	2.50	2.30	2.31	92	92	0	24	62-137
TOLUENE	<0.05	2.50	2.96	3.08	118	123	4	21	59-139
CHLOROBENZENE	<0.05	2.50	2.19	2.25	88	90	3	21	60-133

Chemist's Note: Prep batch 120806E.

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PINNACLE LABS
Environmental Testing

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612059
SPIKED SAMPLE	: 612059-04	DATE ANALYZED	: 12/12/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	SAMPLE CONC.	SPIKE ADDED	MS RESULT	MSD RESULT	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.06	1.88	82	75	9	22	59-172
BENZENE	<0.05	2.50	2.03	1.94	81	78	5	21	66-142
TRICHLOROETHENE	<0.05	2.50	1.92	1.81	77	72	6	24	62-137
TOLUENE	<0.05	2.50	2.44	2.35	98	94	4	21	59-139
CHLOROBENZENE	<0.05	2.50	1.85	1.78	74	71	4	21	60-133

Cation-Anion Balance Worksheet

Accession Number: 612059-01 RCS-1

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	3720		
Chloride	0	0.02821	0.00000
Fluoride	0.808	0.05264	0.04253
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	410	0.03333	13.66530
Bi-Carbonate	3280	0.01639	53.75920
	Total Anions =		**67.4670331**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	35000	0.04990	1746.50000
Potassium	7200	0.02558	184.17600
Magnesium	8700	0.08229	715.92300
Sodium	620	0.04350	26.97000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**2673.569**

Anion/Cation Balance (% difference) =	95.1%		
Total Anions+Cations =	53753	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	85	umh/cm	(measured)
TDS/EC ratio =	0.000		

Cation-Anion Balance Worksheet

Accession Number: 612059-02 BCS-2

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	5200		
Chloride	0	0.02821	0.00000
Fluoride	1.06	0.05264	0.05580
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	668	0.03333	22.26444
Bi-Carbonate	4520	0.01639	74.08280
	Total Anions =		**96.4030384**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	31000	0.04990	1546.90000
Potassium	5800	0.02558	148.36400
Magnesium	7200	0.08229	592.48800
Sodium	480	0.04350	20.88000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**2308.632**

Anion/Cation Balance (% difference) =	92.0%		
Total Anions+Cations =	47601	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	80	umh/cm	(measured)
TDS/EC ratio =	0.000		

Cation-Anion Balance Worksheet

Accession Number: 612059-03 BCS-3

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	340		
Chloride	0	0.02821	0.00000
Fluoride	1.33	0.05264	0.07001
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	0	0.03333	0.00000
Bi-Carbonate	338	0.01639	5.53982
	Total Anions =		**5.6098312**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	26000	0.04990	1297.40000
Potassium	4700	0.02558	120.22600
Magnesium	5600	0.08229	460.82400
Sodium	240	0.04350	10.44000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**1888.89**

Anion/Cation Balance (% difference) =	99.4%		
Total Anions+Cations =	36745	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	170	umh/cm	(measured)
TDS/EC ratio =	0.000		

Cation-Anion Balance Worksheet

Accession Number: 612059-04 BCS-4

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1040		
Chloride	0	0.02821	0.00000
Fluoride	1.41	0.05264	0.07422
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	95.2	0.03333	3.17302
Bi-Carbonate	914	0.01639	14.98046
	Total Anions =		**18.2276984**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	18000	0.04990	898.20000
Potassium	4100	0.02558	104.87800
Magnesium	4900	0.08229	403.22100
Sodium	300	0.04350	13.05000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**1419.349**

Anion/Cation Balance (% difference) =	97.5%		
Total Anions+Cations =	27925	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	110	umh/cm	(measured)
TDS/EC ratio =	0.000		

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612059
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30459

Report Summary

Date Received: Dec 15, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
30459WW1	BCS-1/612059-01	EPA310.1	LCC	Main Lab	Waste Water
		EPA340.2	PCW	Main Lab	
30459WW2	BCS-2/612059-02	EPA310.1	LCC	Main Lab	Waste Water
		EPA340.2	PCW	Main Lab	
30459WW3	BCS-3/612059-03	EPA310.1	LCC	Main Lab	Waste Water
		EPA340.2	PCW	Main Lab	
30459WW4	BCS-4/612059-04	EPA310.1	LCC	Main Lab	Waste Water
		EPA340.2	PCW	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612059
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30459

Analysis Report

Lab #: 30459WW1 **Sampled:** 12/07/06 09:25 AM **Desc:** BCS-1/612059-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	1640	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	205	mg/L	1.00	0.100	0.200	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	1860	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.404	mg/L	1.00	0.0500	0.100	10076435	EPA340.2	16984-48-8	12/22/06

Lab #: 30459WW2 **Sampled:** 12/07/06 09:25 AM **Desc:** BCS-2/612059-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	2260	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	334	mg/L	1.00	0.100	0.200	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	2600	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.530	mg/L	1.00	0.0500	0.100	10076435	EPA340.2	16984-48-8	12/22/06

Lab #: 30459WW3 **Sampled:** 12/07/06 09:25 AM **Desc:** BCS-3/612059-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	169	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	1.00 U	mg/L	10.0	1.00	2.00	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	170	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.665	mg/L	1.00	0.0500	0.100	10076435	EPA340.2	16984-48-8	12/22/06

Lab #: 30459WW4 **Sampled:** 12/07/06 09:25 AM **Desc:** BCS-4/612059-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	467	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	47.6	mg/L	1.00	0.100	0.200	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	520	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.705	mg/L	1.00	0.0500	0.100	10076435	EPA340.2	16984-48-8	12/22/06

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PO #: 612059
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30459

Quality Report

Quality Control Batch: 10076016 **Analyst:** LCC

Blank	**Result**	**Units**
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**
Total Alkalinity CaCO3	95.9	mg/L	100	95.95	67.63-131.71

Quality Control Batch: 10076435 **Analyst:** PCW

Blank	**Result**	**Units**
Fluoride	0.0500U	mg/L

Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**
Fluoride	2.09	mg/L	2.00	104.43	48.70-142.42

Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**
Fluoride	2.10	mg/L	2.00	106.48	45.97-150.73	-0.0314

Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Fluoride	2.08	mg/L	2.00	105.53	45.97-150.73	-0.0314	0.91	21.49

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PO #: 612059
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30459

Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 12/14/ae Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

Need results 12/19/ae!

RUSH!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)		TOC	Gen Chemistry:	Alkalinity + Bicarb/Carb	Fluoride	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
BCS-1/612059-01	12/7/ae	0925	WW	30459		1							X	X														
BCS-2/612059-02	↓	↓	↓	↓		2							X	X														
BCS-3/612059-03						3							X	X														
BCS-4/612059-04						4							X	X														

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:	
PROJECT #:	612059	Total Number of Containers		PENSACOLA - STL-FL	
PROJ. NAME:	PNM	Chain of Custody Seals		ESL - OR	
QC LEVEL: STD IV		Received Intact?		ATEL - AZ	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - MARION	
TAT: STANDARD RUSH!		LAB NUMBER:		ATEL - MELMORE	
				FCL	X
DUE DATE:	12/19	COMMENTS:		EHL	
RUSH SURCHARGE:	—			GEL	
CLIENT DISCOUNT:	—			WCAS	
SPECIAL CERTIFICATION REQUIRED: YES NO				WOHL	

RELINQUISED BY: 1.	RELINQUISED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date: 12/14/06	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time:	Signature: Time: 1014
Printed Name: Date:	Printed Name: Date: 12/15/06
Company	Company

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 400-17411-1

Job Description: 612059

For:
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Jacinta Tenorio

Marty Edwards
Project Manager I
medwards@stl-inc.com
12/19/2006

Project Manager: Marty Edwards

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. STL Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (#2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

Severn Trent Laboratories, Inc.
STL Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.stl-inc.com

SEVERN TRENT STL

Case Narrative for job: 400-J17411-1

Client: Pinnacle Laboratories
Date: 12/18/2006

Metals

Other Deficiency

OOCE: Sample concentration for the requested element(s) was above its calibration range. Analytical Batch ID: 39949
Prep batch 39637 soils.....need dilutions for K

Corrective Action: Sample was diluted to get the concentration for the requested element within the linear calibration range of the instrument. Analytical Batch ID: 40081

Affected Items

400-17411-A-1-E
Batch: 400-39949
Method: 400-6010B

400-17411-A-2-C
Batch: 400-39949
Method: 400-6010B

400-17411-A-3-C
Batch: 400-39949
Method: 400-6010B

400-17411-A-4-C
Batch: 400-39949
Method: 400-6010B

Semi-Volatile GC

Other Deficiency

The DCB surrogate recovery is low outside QC limits due to the matrix effect of the sample.

Affected Items

400-17411-A-3-B
Batch: 400-39628
Method: 400-8082

400-17411-A-3-B
Batch: 400-39628
Method: 400-8082

400-17411-A-4-B
Batch: 400-39628
Method: 400-8082

400-17411-A-4-B
Batch: 400-39628
Method: 400-8082

SEVERN TRENT STL

METHOD SUMMARY

Client: Pinnacle Laboratories Job Number: 400-17411-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	STL SAV	SW846 8015B	
Deionized Water Leaching Procedure (Routine)	STL SAV		ASTM NONE
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	STL PEN	SW846 8082	
Ultrasonic Extraction	STL PEN		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL PEN	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL PEN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL PEN	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL PEN		SW846 7471A
Conductivity, Specific Conductance	STL PEN	MCAWW 120.1	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Sulfate (Turbidimetric)	STL PEN	SW846 9038	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Soil and Waste pH	STL PEN	SW846 9045C	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples	STL PEN	SW846 9071B	
n-Hexane Extractable Material (HEM) for Sludge,	STL PEN		SW846 9071B
Chloride (Colormetric, Automated Ferricyanide)	STL PEN	SW846 9251	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Percent Moisture	STL PEN	EPA PercentMoisture	

LAB REFERENCES:

STL PEN = STL Pensacola
STL SAV = STL Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

METHOD / ANALYST SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method	Analyst	Analyst ID
SW846 8015B	Hall, Elizabeth	EH
SW846 8082	Ayers, Kim	KA
SW846 6010B	St. Pere, Gary	GS
SW846 7471A	Cortez, Maria	mc
MCAWW 120.1	Taber, Sharon	ST
SW846 9038	Hooe, Jennifer	JH
SW846 9045C	Hooe, Jennifer	JH
SW846 9071B	Edwards, Mandi	ae
SW846 9251	Hooe, Jennifer	JH
EPA PercentMoisture	Nelson, Darlene	DN

SEVERN TRENT STL

SAMPLE SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-17411-1	BCS-1/ 612059-01	Solid	12/07/2006 0925	12/08/2006 0940
400-17411-2	BCS-2/ 612059-02	Solid	12/07/2006 0925	12/08/2006 0940
400-17411-3	BCS-3/ 612059-03	Solid	12/07/2006 0925	12/08/2006 0940
400-17411-4	BCS-4/ 612059-04	Solid	12/07/2006 0925	12/08/2006 0940

SAMPLE RESULTS

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-1/ 612059-01**

Lab Sample ID: 400-17411-1
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1849
Date Prepared: N/A
Date Leached: 12/13/2006 1811
Analysis Batch: 680-62527
Leachate Batch: 680-62528
Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G32.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<5.8		5.8
Propylene glycol		<5.8		5.8

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: BCS-2/ 612059-02

Lab Sample ID: 400-17411-2
Client Matrix: Solid
% Moisture: 20.9
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1901
Date Prepared: N/A
Date Leached: 12/13/2006 1811
Analysis Batch: 680-62527
Leachate Batch: 680-62528
Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G33.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<5.9		5.9
Propylene glycol		<5.9		5.9

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-3/ 612059-03**

Lab Sample ID: 400-17411-3
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1911
Date Prepared: N/A
Date Leached: 12/13/2006 1811
Analysis Batch: 680-62527
Leachate Batch: 680-62528
Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G34.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<5.6		5.6
Propylene glycol		<5.6		5.6

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-4/ 612059-04**

Lab Sample ID: 400-17411-4
Client Matrix: Solid
% Moisture: 8.4
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1924
Date Prepared: N/A
Date Leached: 12/13/2006 1811
Analysis Batch: 680-62527
Leachate Batch: 680-62528
Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G35.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<5.5		5.5
Propylene glycol		<5.5		5.5

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-1/ 612059-01**

Lab Sample ID: 400-17411-1
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 12/09/2006 0207
Date Prepared: 12/08/2006 1322
Analysis Batch: 400-39628
Prep Batch: 400-39536
Instrument ID: GC/ECD/ECD
Lab File ID: 3501035.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<210		210
Arochlor 1221		<210		210
Arochlor 1232		<210		210
Arochlor 1242		<210		210
Arochlor 1248		<210		210
Arochlor 1254		<210		210
Arochlor 1260		<210		210

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	51	48 - 139
Tetrachloro-m-xylene	87	30 - 151

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-2/ 612059-02**

Lab Sample ID: 400-17411-2
Client Matrix: Solid
% Moisture: 20.9
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 12/09/2006 0224
Date Prepared: 12/08/2006 1322
Analysis Batch: 400-39628
Prep Batch: 400-39536
Instrument ID: GC/ECD/ECD
Lab File ID: 3601036.D
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<21		21
Arochlor 1221		<21		21
Arochlor 1232		<21		21
Arochlor 1242		<21		21
Arochlor 1248		<21		21
Arochlor 1254		<21		21
Arochlor 1260		<21		21

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	62	48 - 139
Tetrachloro-m-xylene	59	30 - 151

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-3/ 612059-03**

Lab Sample ID: 400-17411-3
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 12/09/2006 0242
Date Prepared: 12/08/2006 1322
Analysis Batch: 400-39628
Prep Batch: 400-39536
Instrument ID: GC/ECD/ECD
Lab File ID: 3701037.D
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<200		200
Arochlor 1221		<200		200
Arochlor 1232		<200		200
Arochlor 1242		<200		200
Arochlor 1248		<200		200
Arochlor 1254		<200		200
Arochlor 1260		<200		200

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	30	X	48 - 139
Tetrachloro-m-xylene	64		30 - 151

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: **BCS-4/ 612059-04**

Lab Sample ID: 400-17411-4
Client Matrix: Solid
% Moisture: 8.4
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 12/09/2006 0300
Date Prepared: 12/08/2006 1322
Analysis Batch: 400-39628
Prep Batch: 400-39536
Instrument ID: GC/ECD/ECD
Lab File ID: 3801038.D
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<180		180
Arochlor 1221		<180		180
Arochlor 1232		<180		180
Arochlor 1242		<180		180
Arochlor 1248		<180		180
Arochlor 1254		<180		180
Arochlor 1260		<180		180

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	12	X	48 - 139
Tetrachloro-m-xylene	68		30 - 151

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: BCS-1/ 612059-01

Lab Sample ID: 400-17411-1
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0117
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-39949
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.33 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		6.7		0.47
Barium		300		0.94
Cadmium		0.54		0.47
Calcium		35000		47
Chromium		16		0.47
Lead		13		0.47
Magnesium		8700		47
Selenium		<0.94		0.94
Silver		<0.47		0.47
Sodium		620		94

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 12/16/2006 1737
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-40081
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.33 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		7200		940

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/12/2006 1426
Date Prepared: 12/11/2006 1502
Analysis Batch: 400-39742
Prep Batch: 400-39670
Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6229 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.010		0.010

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: BCS-2/ 612059-02

Lab Sample ID: 400-17411-2
Client Matrix: Solid

% Moisture: 20.9

Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0122
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-39949
Prep Batch: 400-39637

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.62 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		5.0		0.39
Barium		240		0.78
Cadmium		0.49		0.39
Calcium		31000		39
Chromium		14		0.39
Lead		11		0.39
Magnesium		7200		39
Selenium		<0.78		0.78
Silver		<0.39		0.39
Sodium		480		78

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 12/16/2006 1742
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-40081
Prep Batch: 400-39637

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.62 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		5800		780

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/12/2006 1436
Date Prepared: 12/11/2006 1502

Analysis Batch: 400-39742
Prep Batch: 400-39670

Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6061 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.010		0.010

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: BCS-3/ 612059-03

Lab Sample ID: 400-17411-3
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0127
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-39949
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.29 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		6.9		0.46
Barium		210		0.91
Cadmium		<0.46		0.46
Calcium		26000		46
Chromium		13		0.46
Lead		11		0.46
Magnesium		5600		46
Selenium		<0.91		0.91
Silver		<0.46		0.46
Sodium		240		91

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2006 1746
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-40081
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.29 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		4700		460

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/12/2006 1438
Date Prepared: 12/11/2006 1502
Analysis Batch: 400-39742
Prep Batch: 400-39670
Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6090 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.013		0.0096

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Client Sample ID: BCS-4/ 612059-04

Lab Sample ID: 400-17411-4
Client Matrix: Solid
% Moisture: 8.4
Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0132
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-39949
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.52 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		7.4		0.36
Barium		200		0.72
Cadmium		0.44		0.36
Calcium		18000		36
Chromium		13		0.36
Lead		8.6		0.36
Magnesium		4900		36
Selenium		<0.72		0.72
Silver		<0.36		0.36
Sodium		300		72

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2006 1751
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-40081
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.52 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		4100		360

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/12/2006 1439
Date Prepared: 12/11/2006 1502
Analysis Batch: 400-39742
Prep Batch: 400-39670
Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6201 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.0088		0.0088

General Chemistry

Client Sample ID: BCS-1/ 612059-01

Lab Sample ID: 400-17411-1 Date Sampled: 12/07/2006 0925
Client Matrix: Solid Date Received: 12/08/2006 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	<100		mg/Kg	100	1.0	9038
	Anly Batch: 400-40041	Date Analyzed	12/14/2006 1506		DryWt Corrected: N	
SGT-HEM (Oil & Grease)	360		mg/Kg	80	1.0	9071B
	Anly Batch: 400-39574	Date Analyzed	12/08/2006 1757		DryWt Corrected: N	
	Prep Batch: 400-39526	Date Prepared:	12/08/2006 1048			
Chloride	<40		mg/Kg	40	1.0	9251
	Anly Batch: 400-40035	Date Analyzed	12/14/2006 1525		DryWt Corrected: N	
Percent Solids	80		Percent	0.10	1.0	PercentMoisture
	Anly Batch: 400-39711	Date Analyzed	12/08/2006 0000			

Analyte	Result	Qual	Units	Dil	Method
pH-S	8.56		SU	1.0	9045C
	Anly Batch: 400-40146	Date Analyzed	12/14/2006 1825	DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	85		umhos/cm	1.0	1.0	120.1
	Anly Batch: 400-40141	Date Analyzed	12/18/2006 1440		DryWt Corrected: N	

General Chemistry

Client Sample ID: BCS-2/ 612059-02

Lab Sample ID: 400-17411-2
Client Matrix: Solid

Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	<100		mg/Kg	100	1.0	9038
	Anly Batch: 400-40041	Date Analyzed	12/14/2006 1506		DryWt Corrected: N	
SGT-HEM (Oil & Grease)	610		mg/Kg	79	1.0	9071B
	Anly Batch: 400-39574	Date Analyzed	12/08/2006 1757		DryWt Corrected: N	
	Prep Batch: 400-39526	Date Prepared:	12/08/2006 1048			
Chloride	<40		mg/Kg	40	1.0	9251
	Anly Batch: 400-40035	Date Analyzed	12/14/2006 1525		DryWt Corrected: N	
Percent Solids	79		Percent	0.10	1.0	PercentMoisture
	Anly Batch: 400-39711	Date Analyzed	12/08/2006 0000			

Analyte	Result	Qual	Units	Dil	Method
pH-S	8.98		SU	1.0	9045C
	Anly Batch: 400-40146	Date Analyzed	12/14/2006 1825	DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	80		umhos/cm	1.0	1.0	120.1
	Anly Batch: 400-40141	Date Analyzed	12/18/2006 1440		DryWt Corrected: N	

General Chemistry

Client Sample ID: BCS-3/ 612059-03

Lab Sample ID: 400-17411-3
Client Matrix: Solid

Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	<100		mg/Kg	100	1.0	9038
	Anly Batch: 400-40041	Date Analyzed	12/14/2006 1506		DryWt Corrected: N	
SGT-HEM (Oil & Grease)	32000		mg/Kg	79	1.0	9071B
	Anly Batch: 400-39574	Date Analyzed	12/08/2006 1757		DryWt Corrected: N	
	Prep Batch: 400-39526	Date Prepared:	12/08/2006 1048			
Chloride	<40		mg/Kg	40	1.0	9251
	Anly Batch: 400-40035	Date Analyzed	12/14/2006 1525		DryWt Corrected: N	
Percent Solids	85		Percent	0.10	1.0	PercentMoisture
	Anly Batch: 400-39711	Date Analyzed	12/08/2006 0000			

Analyte	Result	Qual	Units	Dil	Method
pH-S	7.83		SU	1.0	9045C
	Anly Batch: 400-40146	Date Analyzed	12/14/2006 1825	DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	170		umhos/cm	1.0	1.0	120.1
	Anly Batch: 400-40141	Date Analyzed	12/18/2006 1440		DryWt Corrected: N	

General Chemistry

Client Sample ID: BCS-4/ 612059-04

Lab Sample ID: 400-17411-4
Client Matrix: Solid

Date Sampled: 12/07/2006 0925
Date Received: 12/08/2006 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	<100		mg/Kg	100	1.0	9038
Anly Batch: 400-40041	Date Analyzed 12/14/2006 1506				DryWt Corrected: N	
SGT-HEM (Oil & Grease)	79000		mg/Kg	76	1.0	9071B
Anly Batch: 400-39574	Date Analyzed 12/08/2006 1757				DryWt Corrected: N	
Prep Batch: 400-39526	Date Prepared: 12/08/2006 1048					
Chloride	<40		mg/Kg	40	1.0	9251
Anly Batch: 400-40035	Date Analyzed 12/14/2006 1525				DryWt Corrected: N	
Percent Solids	92		Percent	0.10	1.0	PercentMoisture
Anly Batch: 400-39711	Date Analyzed 12/08/2006 0000					

Analyte	Result	Qual	Units	Dil	Method
pH-S	8.70		SU	1.0	9045C
Anly Batch: 400-40146	Date Analyzed 12/14/2006 1825			DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	110		umhos/cm	1.0	1.0	120.1
Anly Batch: 400-40141	Date Analyzed 12/18/2006 1440				DryWt Corrected: N	

QUALITY CONTROL RESULTS

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:680-62527					
LCS 680-62527/7	Lab Control Spike	S	Solid	8015B	
MB 680-62527/8	Method Blank	S	Solid	8015B	
400-17411-1	BCS-1/ 612059-01	S	Solid	8015B	
400-17411-2	BCS-2/ 612059-02	S	Solid	8015B	
400-17411-3	BCS-3/ 612059-03	S	Solid	8015B	
400-17411-4	BCS-4/ 612059-04	S	Solid	8015B	
Prep Batch: 680-62528					
400-17411-1	BCS-1/ 612059-01	S	Solid	NONE	
400-17411-2	BCS-2/ 612059-02	S	Solid	NONE	
400-17411-3	BCS-3/ 612059-03	S	Solid	NONE	
400-17411-4	BCS-4/ 612059-04	S	Solid	NONE	

Report Basis
S = Soluble

GC Semi VOA					
Prep Batch: 400-39536					
LCS 400-39536/2-AA	Lab Control Spike	T	Solid	3550B	
MB 400-39536/1-AA	Method Blank	T	Solid	3550B	
400-17411-1	BCS-1/ 612059-01	T	Solid	3550B	
400-17411-1MS	Matrix Spike	T	Solid	3550B	
400-17411-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
400-17411-2	BCS-2/ 612059-02	T	Solid	3550B	
400-17411-3	BCS-3/ 612059-03	T	Solid	3550B	
400-17411-4	BCS-4/ 612059-04	T	Solid	3550B	
Analysis Batch:400-39628					
LCS 400-39536/2-AA	Lab Control Spike	T	Solid	8082	400-39536
MB 400-39536/1-AA	Method Blank	T	Solid	8082	400-39536
400-17411-1	BCS-1/ 612059-01	T	Solid	8082	400-39536
400-17411-1MS	Matrix Spike	T	Solid	8082	400-39536
400-17411-1MSD	Matrix Spike Duplicate	T	Solid	8082	400-39536
400-17411-2	BCS-2/ 612059-02	T	Solid	8082	400-39536
400-17411-3	BCS-3/ 612059-03	T	Solid	8082	400-39536
400-17411-4	BCS-4/ 612059-04	T	Solid	8082	400-39536

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-39637					
LCS 400-39637/21-AA	Lab Control Spike	T	Solid	3050B	
MB 400-39637/20-AA	Method Blank	T	Solid	3050B	
400-17411-1	BCS-1/ 612059-01	T	Solid	3050B	
400-17411-2	BCS-2/ 612059-02	T	Solid	3050B	
400-17411-3	BCS-3/ 612059-03	T	Solid	3050B	
400-17411-4	BCS-4/ 612059-04	T	Solid	3050B	
400-17413-A-1-B MS	Matrix Spike	T	Solid	3050B	
400-17413-A-1-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 400-39670					
LCS 400-39670/23-AA	Lab Control Spike	T	Solid	7471A	
LCSD 400-39670/24-AA	Lab Control Spike Duplicate	T	Solid	7471A	
MB 400-39670/25-AA	Method Blank	T	Solid	7471A	
400-17411-1	BCS-1/ 612059-01	T	Solid	7471A	
400-17411-1MS	Matrix Spike	T	Solid	7471A	
400-17411-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
400-17411-2	BCS-2/ 612059-02	T	Solid	7471A	
400-17411-3	BCS-3/ 612059-03	T	Solid	7471A	
400-17411-4	BCS-4/ 612059-04	T	Solid	7471A	
Analysis Batch:400-39742					
LCS 400-39670/23-AA	Lab Control Spike	T	Solid	7471A	400-39670
LCSD 400-39670/24-AA	Lab Control Spike Duplicate	T	Solid	7471A	400-39670
MB 400-39670/25-AA	Method Blank	T	Solid	7471A	400-39670
400-17411-1	BCS-1/ 612059-01	T	Solid	7471A	400-39670
400-17411-1MS	Matrix Spike	T	Solid	7471A	400-39670
400-17411-1MSD	Matrix Spike Duplicate	T	Solid	7471A	400-39670
400-17411-2	BCS-2/ 612059-02	T	Solid	7471A	400-39670
400-17411-3	BCS-3/ 612059-03	T	Solid	7471A	400-39670
400-17411-4	BCS-4/ 612059-04	T	Solid	7471A	400-39670
Analysis Batch:400-39949					
LCS 400-39637/21-AA	Lab Control Spike	T	Solid	6010B	400-39637
MB 400-39637/20-AA	Method Blank	T	Solid	6010B	400-39637
400-17411-1	BCS-1/ 612059-01	T	Solid	6010B	400-39637
400-17411-2	BCS-2/ 612059-02	T	Solid	6010B	400-39637
400-17411-3	BCS-3/ 612059-03	T	Solid	6010B	400-39637
400-17411-4	BCS-4/ 612059-04	T	Solid	6010B	400-39637
400-17413-A-1-B MS	Matrix Spike	T	Solid	6010B	400-39637
400-17413-A-1-C MSD	Matrix Spike Duplicate	T	Solid	6010B	400-39637

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:400-40081					
400-17411-1	BCS-1/ 612059-01	T	Solid	6010B	400-39637
400-17411-2	BCS-2/ 612059-02	T	Solid	6010B	400-39637
400-17411-3	BCS-3/ 612059-03	T	Solid	6010B	400-39637
400-17411-4	BCS-4/ 612059-04	T	Solid	6010B	400-39637

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 400-39526					
LCS 400-39526/2-AA	Lab Control Spike	T	Solid	9071B	
MB 400-39526/1-AA	Method Blank	T	Solid	9071B	
660-12799-A-1-A MS	Matrix Spike	T	Solid	9071B	
660-12799-A-1-B MSD	Matrix Spike Duplicate	T	Solid	9071B	
400-17411-1	BCS-1/ 612059-01	T	Solid	9071B	
400-17411-2	BCS-2/ 612059-02	T	Solid	9071B	
400-17411-3	BCS-3/ 612059-03	T	Solid	9071B	
400-17411-4	BCS-4/ 612059-04	T	Solid	9071B	
Analysis Batch:400-39574					
LCS 400-39526/2-AA	Lab Control Spike	T	Solid	9071B	400-39526
MB 400-39526/1-AA	Method Blank	T	Solid	9071B	400-39526
660-12799-A-1-A MS	Matrix Spike	T	Solid	9071B	400-39526
660-12799-A-1-B MSD	Matrix Spike Duplicate	T	Solid	9071B	400-39526
400-17411-1	BCS-1/ 612059-01	T	Solid	9071B	400-39526
400-17411-2	BCS-2/ 612059-02	T	Solid	9071B	400-39526
400-17411-3	BCS-3/ 612059-03	T	Solid	9071B	400-39526
400-17411-4	BCS-4/ 612059-04	T	Solid	9071B	400-39526
Analysis Batch:400-39711					
400-17411-1	BCS-1/ 612059-01	T	Solid	PercentMoisture	
400-17411-2	BCS-2/ 612059-02	T	Solid	PercentMoisture	
400-17411-3	BCS-3/ 612059-03	T	Solid	PercentMoisture	
400-17411-4	BCS-4/ 612059-04	T	Solid	PercentMoisture	
Prep Batch: 400-40033					
MB 400-40033/1-AA	Method Blank	T	Solid	NONE	
400-17411-1	BCS-1/ 612059-01	T	Solid	NONE	
400-17411-2	BCS-2/ 612059-02	T	Solid	NONE	
400-17411-3	BCS-3/ 612059-03	T	Solid	NONE	
400-17411-4	BCS-4/ 612059-04	T	Solid	NONE	
400-17411-4MS	Matrix Spike	T	Solid	NONE	
400-17411-4MSD	Matrix Spike Duplicate	T	Solid	NONE	
Analysis Batch:400-40035					
LCS 400-40035/2	Lab Control Spike	T	Solid	9251	
MB 400-40033/1-AA	Method Blank	T	Solid	9251	
400-17411-1	BCS-1/ 612059-01	T	Solid	9251	
400-17411-2	BCS-2/ 612059-02	T	Solid	9251	
400-17411-3	BCS-3/ 612059-03	T	Solid	9251	
400-17411-4	BCS-4/ 612059-04	T	Solid	9251	
400-17411-4MS	Matrix Spike	T	Solid	9251	
400-17411-4MSD	Matrix Spike Duplicate	T	Solid	9251	

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 400-40040					
MB 400-40040/1-AA	Method Blank	T	Solid	NONE	
400-17411-1	BCS-1/ 612059-01	T	Solid	NONE	
400-17411-2	BCS-2/ 612059-02	T	Solid	NONE	
400-17411-3	BCS-3/ 612059-03	T	Solid	NONE	
400-17411-4	BCS-4/ 612059-04	T	Solid	NONE	
400-17411-4MS	Matrix Spike	T	Solid	NONE	
400-17411-4MSD	Matrix Spike Duplicate	T	Solid	NONE	
Analysis Batch:400-40041					
LCS 400-40041/2	Lab Control Spike	T	Solid	9038	
MB 400-40040/1-AA	Method Blank	T	Solid	9038	
400-17411-1	BCS-1/ 612059-01	T	Solid	9038	
400-17411-2	BCS-2/ 612059-02	T	Solid	9038	
400-17411-3	BCS-3/ 612059-03	T	Solid	9038	
400-17411-4	BCS-4/ 612059-04	T	Solid	9038	
400-17411-4MS	Matrix Spike	T	Solid	9038	
400-17411-4MSD	Matrix Spike Duplicate	T	Solid	9038	
Prep Batch: 400-40140					
400-17411-1	BCS-1/ 612059-01	S	Solid	NONE	
400-17411-2	BCS-2/ 612059-02	S	Solid	NONE	
400-17411-3	BCS-3/ 612059-03	S	Solid	NONE	
400-17411-4	BCS-4/ 612059-04	S	Solid	NONE	
Analysis Batch:400-40141					
LCS 400-40141/2	Lab Control Spike	S	Solid	120.1	
MB 400-40141/1	Method Blank	S	Solid	120.1	
400-17411-1	BCS-1/ 612059-01	S	Solid	120.1	
400-17411-2	BCS-2/ 612059-02	S	Solid	120.1	
400-17411-3	BCS-3/ 612059-03	S	Solid	120.1	
400-17411-4	BCS-4/ 612059-04	S	Solid	120.1	
400-17661-B-1 DU	Duplicate	S	Solid	120.1	
Prep Batch: 400-40145					
400-17411-1	BCS-1/ 612059-01	S	Solid	NONE	
400-17411-2	BCS-2/ 612059-02	S	Solid	NONE	
400-17411-3	BCS-3/ 612059-03	S	Solid	NONE	
400-17411-4	BCS-4/ 612059-04	S	Solid	NONE	
400-17468-A-1-I DU	Duplicate	S	Solid	NONE	

Client: Pinnacle Laboratories

Job Number: 400-17411-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-40146					
400-17411-1	BCS-1/ 612059-01	S	Solid	9045C	
400-17411-2	BCS-2/ 612059-02	S	Solid	9045C	
400-17411-3	BCS-3/ 612059-03	S	Solid	9045C	
400-17411-4	BCS-4/ 612059-04	S	Solid	9045C	
400-17468-A-1-I DU	Duplicate	S	Solid	9045C	

Report Basis
S = Soluble
T = Total

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 680-62527

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 680-62527/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 1145
Date Prepared: N/A

Analysis Batch: 680-62527
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G7.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Ethylene glycol	<5.0		5.0
Propylene glycol	<5.0		5.0

Lab Control Spike - Batch: 680-62527

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-62527/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 1057
Date Prepared: N/A

Analysis Batch: 680-62527
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G4.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene glycol	20.0	21.1	106	50 - 150	
Propylene glycol	20.0	22.0	110	50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-39536

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 400-39536/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2006 0038
Date Prepared: 12/08/2006 1322

Analysis Batch: 400-39628
Prep Batch: 400-39536
Units: ug/Kg

Instrument ID: GC/ECD/ECD
Lab File ID: 3001030.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Arochlor 1016	<17		17
Arochlor 1221	<17		17
Arochlor 1232	<17		17
Arochlor 1242	<17		17
Arochlor 1248	<17		17
Arochlor 1254	<17		17
Arochlor 1260	<17		17

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	48 - 139
Tetrachloro-m-xylene	91	30 - 151

Lab Control Spike - Batch: 400-39536

Method: 8082
Preparation: 3550B

Lab Sample ID: LCS 400-39536/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2006 0056
Date Prepared: 12/08/2006 1322

Analysis Batch: 400-39628
Prep Batch: 400-39536
Units: ug/Kg

Instrument ID: GC/ECD/ECD
Lab File ID: 3101031.D
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arochlor 1016	332	377	114	17 - 178	
Arochlor 1260	332	375	113	32 - 175	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	48 - 139
Tetrachloro-m-xylene	93	30 - 151

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39536

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	400-17411-1	Analysis Batch: 400-39628	Instrument ID: GC/ECD/ECD
Client Matrix:	Solid	Prep Batch: 400-39536	Lab File ID: 3201032.D
Dilution:	10		Initial Weight/Volume: 30.49 g
Date Analyzed:	12/09/2006 0113		Final Weight/Volume: 10 mL
Date Prepared:	12/08/2006 1322		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	400-17411-1	Analysis Batch: 400-39628	Instrument ID: GC/ECD/ECD
Client Matrix:	Solid	Prep Batch: 400-39536	Lab File ID: 3301033.D
Dilution:	10		Initial Weight/Volume: 30.02 g
Date Analyzed:	12/09/2006 0131		Final Weight/Volume: 10 mL
Date Prepared:	12/08/2006 1322		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arochlor 1016	97	76	15 - 147	23	42		
Arochlor 1260	102	137	27 - 147	30	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	63	49	48 - 139
Tetrachloro-m-xylene	93	89	30 - 151

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-39637

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 400-39637/20-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0017
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-39949
Prep Batch: 400-39637
Units: mg/Kg

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Arsenic	<0.50		0.50
Barium	<1.0		1.0
Cadmium	<0.50		0.50
Calcium	<50		50
Chromium	<0.50		0.50
Lead	<0.50		0.50
Magnesium	<50		50
Potassium	<100		100
Selenium	<1.0		1.0
Silver	<0.50		0.50
Sodium	<100		100

Lab Control Spike - Batch: 400-39637

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 400-39637/21-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0022
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-39949
Prep Batch: 400-39637
Units: mg/Kg

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	252	225	89	80 - 120	
Barium	463	438	95	82 - 118	
Cadmium	115	105	92	82 - 119	
Calcium	3570	3380	95	79 - 121	
Chromium	71.4	68.3	96	79 - 121	
Lead	163	151	93	81 - 119	
Magnesium	2940	2730	93	77 - 123	
Potassium	2360	2220	94	71 - 129	
Selenium	170	135	80	76 - 124	
Silver	121	119	99	61 - 139	
Sodium	563	538	96	56 - 144	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39637

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	400-17413-A-1-B MS	Analysis Batch: 400-39949	Instrument ID: ICP-AES
Client Matrix:	Solid	Prep Batch: 400-39637	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.41 g
Date Analyzed:	12/15/2006 0037		Final Weight/Volume: 100 mL
Date Prepared:	12/11/2006 1025		

MSD Lab Sample ID:	400-17413-A-1-C MSD	Analysis Batch: 400-39949	Instrument ID: ICP-AES
Client Matrix:	Solid	Prep Batch: 400-39637	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.47 g
Date Analyzed:	12/15/2006 0041		Final Weight/Volume: 100 mL
Date Prepared:	12/11/2006 1025		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	99	98	75 - 125	5	20		
Barium	107	105	75 - 125	5	20		
Cadmium	107	105	75 - 125	6	20		
Calcium	107	105	75 - 125	6	20		
Chromium	108	106	75 - 125	6	20		
Lead	106	104	75 - 125	6	20		
Magnesium	105	103	75 - 125	5	20		
Potassium	100	100	75 - 125	4	20		
Selenium	86	84	75 - 125	6	20		
Silver	107	105	75 - 125	6	20		
Sodium	98	97	75 - 125	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-39670

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 400-39670/25-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/12/2006 1349
Date Prepared: 12/11/2006 1502

Analysis Batch: 400-39742
Prep Batch: 400-39670
Units: mg/Kg

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .6000 g
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Mercury	<0.0083		0.0083

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 400-39670

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 400-39670/23-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 12/12/2006 1351
Date Prepared: 12/11/2006 1502

Analysis Batch: 400-39742
Prep Batch: 400-39670
Units: mg/Kg

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .2061 g
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 400-39670/24-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 12/12/2006 1353
Date Prepared: 12/11/2006 1502

Analysis Batch: 400-39742
Prep Batch: 400-39670
Units: mg/Kg

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .2041 g
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	88	68 - 132	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39670

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	400-17411-1	Analysis Batch: 400-39742	Instrument ID: PE FLOW INJECTION
Client Matrix:	Solid	Prep Batch: 400-39670	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: .6262 g
Date Analyzed:	12/12/2006 1432		Final Weight/Volume: 25 mL
Date Prepared:	12/11/2006 1502		

MSD Lab Sample ID:	400-17411-1	Analysis Batch: 400-39742	Instrument ID: PE FLOW INJECTION
Client Matrix:	Solid	Prep Batch: 400-39670	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: .6046 g
Date Analyzed:	12/12/2006 1434		Final Weight/Volume: 25 mL
Date Prepared:	12/11/2006 1502		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	92	92	75 - 125	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-40141/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Specific Conductance-S	<1.0		1.0

Lab Control Spike - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-40141/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance-S	147	146	100	98 - 102	

Duplicate - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-17661-B-1 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance-S	737	740	0	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-40041

Method: 9038
Preparation: N/A

Lab Sample ID: MB 400-40040/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Sulfate	<100		100

Lab Control Spike - Batch: 400-40041

Method: 9038
Preparation: N/A

Lab Sample ID: LCS 400-40041/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A

Analysis Batch: 400-40041
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.7	103	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 400-40041

Method: 9038
Preparation: N/A

MS Lab Sample ID: 400-17411-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-17411-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	120	117	59 - 146	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Duplicate - Batch: 400-40146

Method: 9045C
Preparation: N/A

Lab Sample ID: 400-17468-A-1-I DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1825
Date Prepared: N/A
Date Leached: 12/14/2006 1800

Analysis Batch: 400-40146
Prep Batch: N/A
Units: SU

Leachate Batch: 400-40145

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-S	8.85	8.86			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-39526

Method: 9071B
Preparation: 9071B

Lab Sample ID: MB 400-39526/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2006 1757
Date Prepared: 12/08/2006 1048

Analysis Batch: 400-39574
Prep Batch: 400-39526
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.12 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
SGT-HEM (Oil & Grease)	<79		79

Lab Control Spike - Batch: 400-39526

Method: 9071B
Preparation: 9071B

Lab Sample ID: LCS 400-39526/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2006 1757
Date Prepared: 12/08/2006 1048

Analysis Batch: 400-39574
Prep Batch: 400-39526
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SGT-HEM (Oil & Grease)	1700	2390	141	69 - 142	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39526

Method: 9071B
Preparation: 9071B

MS Lab Sample ID: 660-12799-A-1-A MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2006 1757
Date Prepared: 12/08/2006 1048

Analysis Batch: 400-39574
Prep Batch: 400-39526

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.49 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-12799-A-1-B MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2006 1757
Date Prepared: 12/08/2006 1048

Analysis Batch: 400-39574
Prep Batch: 400-39526

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.55 g
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
SGT-HEM (Oil & Grease)	139	121	19 - 165	15	59		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Method Blank - Batch: 400-40035

Method: 9251
Preparation: N/A

Lab Sample ID: MB 400-40033/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1321
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Chloride	<40		40

Lab Control Spike - Batch: 400-40035

Method: 9251
Preparation: N/A

Lab Sample ID: LCS 400-40035/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1321
Date Prepared: N/A

Analysis Batch: 400-40035
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	53.1	106	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-40035

Method: 9251
Preparation: N/A

MS Lab Sample ID: 400-17411-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1525
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-17411-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1525
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	105	105	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

DATA REPORTING QUALIFIERS

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate exceeds the control limits

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 12/7/06 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

405-17411

Need results 12/15/06!

RUSH!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Ethylene Glycol 8015M/D	TOC	Gen Chemistry:		Methanol Ethanol TPH	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides PCB (8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
BCS-1/6120S9-01	12/7/06	0925	NAQ		X					X				X				X									
BCS-2/6120S9-02	↓	↓	↓		X					X				X				X									
BCS-3/6120S9-03					X					X				X				X									
BCS-4/6120S9-04					X					X				X				X									

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT #:	6120S9	Total Number of Containers	
PROJ. NAME:	PNM	Chain of Custody Seals	
QC LEVEL:	STD. IV	Received Intact?	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold	
DATA:	~~STANDARD~~ RUSH!!	LAB NUMBER:	
DUE DATE:	12/15		
RUSH SURCHARGE:	25%	COMMENTS:	
CLIENT DISCOUNT:	—		
SPECIAL CERTIFICATION REQUIRED:	YES NO		

SAMPLES SENT TO:	
PENSACOLA - STL-FL	X
ESL - OR	
ATEL - AZ	
ATEL - MARION	
ATEL - MELMORE	
FCL	
EHL	
GEL	
WCAS	
WOHL	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Suncine Tenorio Date: 12/7/06	Printed Name: Date:
Company: Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time: 0940	Signature: Time:
Printed Name: Raven Hedarios Date: 12-08-06	Printed Name: Date:
Company STL	Company

SEVERN TRENT STL

SEVERN TRENT STL

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pinnacle Laboratories

Job Number: 400-17411-1

Login Number: 17411

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.1°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Split for subout.

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 12/7/06 PAGE: 1 OF 1

PLI Accession #: 612059

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John Ferraiuolo

COMPANY: Public Service CO-FNM

ADDRESS: Alvarado Sq. MS2104
Alb. NM 87158

PHONE: 505 241 4871

FAX: 2376

BILL TO: Same

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	MOD 8015 Ethylene Glycol Propylene Glycol	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8082 PCBs 5x12	8260 (TCL) Volatile Organics BTEX	8260 (Full) Volatile Organics + PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	1664	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
BCS-1	12/7/06	925	Soil	01			X									X	X	X								X				X		2
BCS-2				02			X									X	X	X														2
BCS-3				03			X									X	X	X														2
BCS-4				04			X									X	X	X														2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	BCS
P.O. NO.:	
SHIPPED VIA:	

SAMPLE RECEIPT	
NO CONTAINERS	8
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Y
BLUE ICE/ICE	1.1°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☒1 WEEK (NORMAL) ☐
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

RUSH!
12/8 per John Ferraiuolo change 8260TCL to 8260 Full + PBMS JL

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1012	Signature: Time:
Printed Name: Date: 12/7/06	Printed Name: Date:
Company: PNM	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 1016
Printed Name: Date:	Printed Name: Date: 12/7/06
Company:	Pinnacle Laboratories Inc.

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **612082**
January 12, 2007

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-MS2104
ALBUQUERQUE, NM 87158

Project Name BCS
Project Number (NONE)

Attention: JOHN FERRAIUOLO

On 12/08/2006 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

This report is now complete. A partial report was issued on December 14, 2006.

Review of the Cation/Anion Balance Calculations shows strong disagreement between the Cation values (high) and the Anion values (low). Cations are based on metals analyses, which consume the entire samples. Anion samples, on the other hand, are analyzed by leaching into water and performing the analyses in the aqueous phase. The samples exhibit low concentrations for common anions (chloride and sulfate). However, for several of the samples, unusually high carbonate results were obtained.

Based on the alkalinity values, it is our belief that the anion balance is weighted low because the carbonate form of the metal is present in the sample and is insoluble. Consequently, the cation and anions do not balance.

Fluoride, alkalinity, bicarbonate and bicarbonate values do not reflect a two-fold dillution necessary to perform the analyses. The Cation/Anion Balance has been adjusted.

EPA method 8260 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

Total alkalinity and fluoride analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altamonte Springs, FL.

All other analyses were performed by Severn Trent Laboratories, Inc. (STL), Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

PINNACLE LABS
Environmental Testing

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 612082
PROJECT #	: (NONE)	DATE RECEIVED	: 12/08/2006
PROJECT NAME	: BCS	REPORT DATE	: 01/12/2007

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
612082 - 01	BCS-5	NON-AQ	12/07/2006
612082 - 02	BCS-6	NON-AQ	12/07/2006

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/08/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612082-01	BCS-5	SOIL	12/07/06	12/08/06	12/12/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/08/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612082-01	BCS-5	SOIL	12/07/06	12/08/06	12/12/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	84	(70 - 121)
Toluene-d8	94	(84 - 138)
Bromofluorobenzene	87	(59 - 113)

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/08/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612082-02	BCS-6	SOIL	12/07/06	12/08/06	12/12/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY	DATE RECEIVED	: 12/08/06
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
612082-02	BCS-6	SOIL	12/07/06	12/08/06	12/12/06	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	79	(70 - 121)
Toluene-d8	97	(84 - 138)
Bromofluorobenzene	91	(59 - 113)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	120806E	SOIL	12/07/06	12/08/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	120806E	SOIL	12/07/06	12/08/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	100 (70 - 121)
Toluene-d8	110 (84 - 138)
Bromofluorobenzene	102 (59 - 113)

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PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	121106E2	SOIL	12/08/06	12/11/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	0.25	< 0.25	MG/KG
Chloromethane (74-87-3)	0.25	< 0.25	MG/KG
Vinyl Chloride (75-01-4)	0.25	< 0.25	MG/KG
Bromomethane (74-83-9)	0.25	< 0.25	MG/KG
Chloroethane (75-00-3)	0.25	< 0.25	MG/KG
Trichlorofluoromethane (75-69-4)	0.25	< 0.25	MG/KG
Acetone (67-64-1)	0.50	< 0.50	MG/KG
Acrolein (107-02-8)	0.50	< 0.50	MG/KG
1,1-Dichloroethene (75-35-4)	0.05	< 0.05	MG/KG
Iodomethane (74-88-4)	0.25	< 0.25	MG/KG
Methylene Chloride (75-09-2)	0.05	< 0.05	MG/KG
Acrylonitrile (107-13-1)	0.25	< 0.25	MG/KG
cis-1,2-Dichloroethene (156-59-2)	0.05	< 0.05	MG/KG
Methyl-t-butyl Ether (1634-04-4)	0.05	< 0.05	MG/KG
1,1,2-Trichlorotrifluoroethane (76-13-1)	0.25	< 0.25	MG/KG
1,1-Dichloroethane (75-34-3)	0.05	< 0.05	MG/KG
trans-1,2-Dichloroethene (156-60-5)	0.05	< 0.05	MG/KG
2-Butanone (78-93-3)	0.50	< 0.50	MG/KG
Carbon Disulfide (75-15-0)	0.05	< 0.05	MG/KG
Bromochloromethane (74-97-5)	0.05	< 0.05	MG/KG
Chloroform (67-66-3)	0.05	< 0.05	MG/KG
2,2-Dichloropropane (594-20-7)	0.05	< 0.05	MG/KG
1,2-Dichloroethane (107-06-2)	0.05	< 0.05	MG/KG
Vinyl Acetate (108-05-4)	0.25	< 0.25	MG/KG
1,1,1-Trichloroethane (71-55-6)	0.05	< 0.05	MG/KG
1,1-Dichloropropene (563-58-6)	0.05	< 0.05	MG/KG
Carbon Tetrachloride (56-23-5)	0.05	< 0.05	MG/KG
Benzene (71-43-2)	0.05	< 0.05	MG/KG
1,2-Dichloropropane (78-87-5)	0.05	< 0.05	MG/KG
Trichloroethene (79-01-6)	0.05	< 0.05	MG/KG
Bromodichloromethane (75-27-4)	0.05	< 0.05	MG/KG
2-Chloroethyl Vinyl Ether (110-75-8)	0.50	< 0.50	MG/KG
cis-1,3-Dichloropropene (10061-01-5)	0.05	< 0.05	MG/KG
trans-1,3-Dichloropropene (10061-02-6	0.05	< 0.05	MG/KG
1,1,2-Trichloroethane (79-00-5)	0.05	< 0.05	MG/KG
1,3-Dichloropropane (142-28-9)	0.05	< 0.05	MG/KG
Dibromomethane (74-95-3)	0.05	< 0.05	MG/KG
Toluene (108-88-3)	0.05	< 0.05	MG/KG
1,2-Dibromoethane (106-93-4)	0.05	< 0.05	MG/KG
4-Methyl-2-Pentanone (108-10-1)	0.50	< 0.50	MG/KG
2-Hexanone (591-78-6)	0.50	< 0.50	MG/KG
Dibromochloromethane (124-48-1)	0.05	< 0.05	MG/KG
Tetrachloroethene (127-18-4)	0.05	< 0.05	MG/KG
Chlorobenzene (108-90-7)	0.05	< 0.05	MG/KG

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
CLIENT	: PUBLIC SERVICE COMPANY		
PROJECT #	: (NONE)	INSTRUMENT	: GCMS#1
PROJECT NAME	: BCS	ANALYST	: DRK

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
EXTRACTION BLANK	121106E2	SOIL	12/08/06	12/11/06	1

PARAMETER	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	0.05	< 0.05	MG/KG
1,1,1,2-Tetrachloroethane (630-20-6)	0.05	< 0.05	MG/KG
m&p Xylenes (108-38-3, 106-42-3)	0.10	< 0.10	MG/KG
o-Xylene (95-47-6)	0.05	< 0.05	MG/KG
Styrene (100-42-5)	0.05	< 0.05	MG/KG
Bromoform (75-25-2)	0.05	< 0.05	MG/KG
1,1,2,2-Tetrachloroethane (79-34-5)	0.10	< 0.10	MG/KG
1,2,3-Trichloropropane (96-18-4)	0.10	< 0.10	MG/KG
Isopropyl Benzene (98-82-8)	0.05	< 0.05	MG/KG
Bromobenzene (108-86-1)	0.05	< 0.05	MG/KG
trans-1,4-Dichloro-2-Butene (110-57-6)	0.10	< 0.10	MG/KG
n-Propylbenzene (103-65-1)	0.05	< 0.05	MG/KG
2-Chlorotoluene (95-49-8)	0.05	< 0.05	MG/KG
4-Chlorotoluene (106-43-4)	0.05	< 0.05	MG/KG
1,3,5-Trimethylbenzene (108-67-8)	0.05	< 0.05	MG/KG
tert-Butylbenzene (98-06-6)	0.05	< 0.05	MG/KG
1,2,4-Trimethylbenzene (95-63-6)	0.05	< 0.05	MG/KG
sec-Butylbenzene (135-98-8)	0.05	< 0.05	MG/KG
1,3-Dichlorobenzene (541-73-1)	0.05	< 0.05	MG/KG
1,4-Dichlorobenzene (106-46-7)	0.05	< 0.05	MG/KG
p-Isopropyltoluene (99-87-6)	0.05	< 0.05	MG/KG
1,2-Dichlorobenzene (95-50-1)	0.05	< 0.05	MG/KG
n-Butylbenzene (104-51-8)	0.05	< 0.05	MG/KG
1,2-Dibromo-3-chloropropane (96-12-8)	0.25	< 0.25	MG/KG
1,2,4-Trichlorobenzene (120-82-1)	0.10	< 0.10	MG/KG
Naphthalene (91-20-3)	0.15	< 0.15	MG/KG
Hexachlorobutadiene (87-68-3)	0.10	< 0.10	MG/KG
1,2,3-Trichlorobenzene (87-61-6)	0.10	< 0.10	MG/KG
2-Methyl Naphthalene (91-57-6)	0.25	< 0.25	MG/KG
1-Methyl Naphthalene (90-12-0)	0.25	< 0.25	MG/KG

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	93 (70 - 121)
Toluene-d8	108 (84 - 138)
Bromofluorobenzene	101 (59 - 113)

PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE / SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
BATCH	: 120806E	DATE ANALYZED	: 12/08/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	BLANK CONC.	SPIKE ADDED	LCS RESULT	LCSD RESULT	LCS %REC	LCSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.51	2.47	100	99	2	22	59-172
BENZENE	<0.05	2.50	2.47	2.46	99	98	0	21	66-142
TRICHLOROETHENE	<0.05	2.50	2.41	2.37	96	95	2	24	62-137
TOLUENE	<0.05	2.50	3.08	3.12	123	125	1	21	59-139
CHLOROBENZENE	<0.05	2.50	2.31	2.35	92	94	2	21	60-133

Chemist's Note: Prep batch 120706E.

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PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE / SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
BATCH	: 121106E2	DATE ANALYZED	: 12/11/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	BLANK CONC.	SPIKE ADDED	LCS RESULT	LCSD RESULT	LCS %REC	LCSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.35	2.46	94	98	5	22	59-172
BENZENE	<0.05	2.50	2.32	2.42	93	97	4	21	66-142
TRICHLOROETHENE	<0.05	2.50	2.30	2.31	92	92	0	24	62-137
TOLUENE	<0.05	2.50	2.96	3.08	118	123	4	21	59-139
CHLOROBENZENE	<0.05	2.50	2.19	2.25	88	90	3	21	60-133

Chemist's Note: Prep batch 120806E.

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PINNACLE LABS
Environmental Testing

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 612082
SPIKED SAMPLE	: 612059-04	DATE ANALYZED	: 12/12/06
CLIENT	: PUBLIC SERVICE COMPANY	UNITS	: mg/kg (PPM)
PROJECT #	: (NONE)	MATRIX	: SOIL
PROJECT NAME	: BCS	INSTRUMENT	: GCMS#1
		ANALYST	: DRK

COMPOUND	SAMPLE CONC.	SPIKE ADDED	MS RESULT	MSD RESULT	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<0.05	2.50	2.06	1.88	82	75	9	22	59-172
BENZENE	<0.05	2.50	2.03	1.94	81	78	5	21	66-142
TRICHLOROETHENE	<0.05	2.50	1.92	1.81	77	72	6	24	62-137
TOLUENE	<0.05	2.50	2.44	2.35	98	94	4	21	59-139
CHLOROBENZENE	<0.05	2.50	1.85	1.78	74	71	4	21	60-133

Cation-Anion Balance Worksheet

Accession Number: 612082-01 BES-5

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	4960		
Chloride	0	0.02821	0.00000
Fluoride	1.732	0.05264	0.09117
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	568	0.03333	18.93144
Bi-Carbonate	4340	0.01639	71.13260
	Total Anions =		**90.1552125**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	43000	0.04990	2145.70000
Potassium	7700	0.02558	196.96600
Magnesium	9000	0.08229	740.61000
Sodium	380	0.04350	16.53000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**3099.806**

Anion/Cation Balance (% difference) =	94.3%		
Total Anions+Cations =	63058	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	70	umh/cm	(measured)
TDS/EC ratio =	0.000		

Cation-Anion Balance Worksheet

Accession Number: 612082-02 RCS-6

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	5900		
Chloride	0	0.02821	0.00000
Fluoride	0.858	0.05264	0.04517
Nitrate as N		0.01613	0.00000
Sulfate	140	0.02082	2.91480
Carbonate	588	0.03333	19.59804
Bi-Carbonate	4880	0.01639	79.98320
	Total Anions =		**102.541205**

*Fluoride , alkalinity, carbonate and bicarbonate multiplied by two (2) to reflect a dilution

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	24000	0.04990	1197.60000
Potassium	4100	0.02558	104.87800
Magnesium	5300	0.08229	436.13700
Sodium	320	0.04350	13.92000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**1752.535**

Anion/Cation Balance (% difference) =	88.9%		
Total Anions+Cations =	37401	mg/l	(calculated)
Total Dissolved Solids =		mg/l	(measured)
TDS/ion sum ratio =	0.00		
Electrical Cond =	140	umh/cm	(measured)
TDS/EC ratio =	0.000		

FLOWERS CHEMICAL LABORATORIES INC.

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612082
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30480

Report Summary

Date Received: Dec 15, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
30480WW1	BCS-5/612082-01	EPA310.1	LCC	Main Lab	Waste Water
		F_ise	PCW	Main Lab	
30480WW2	BCS-6/612082-02	EPA310.1	LCC	Main Lab	Waste Water
		F_ise	PCW	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. *Uncertainties for these data are available on request. This report may not be reproduced in part;* results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612082
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30480

Analysis Report

Lab #: 30480WW1 **Sampled:** 12/07/06 03:40 PM **Desc:** BCS-5/612082-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	2170	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	294	mg/L	1.00	0.100	0.200	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	2480	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.866	mg/L	1.00	0.0500	0.100	10076435	F_ise	16984-48-8	12/22/06

Lab #: 30480WW2 **Sampled:** 12/07/06 03:45 PM **Desc:** BCS-6/612082-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	2440	mg/L	10.0	1.00	2.00	10076016	EPA310.1	E1640226	12/18/06
Carbonate Alkalinity	495	mg/L	1.00	0.100	0.200	10076016	EPA310.1	3812-32-6	12/18/06
Total Alkalinity CaCO3	2950	mg/L	10.0	1.00	2.00	10076016	EPA310.1	T-005	12/18/06
Fluoride	0.429	mg/L	1.00	0.0500	0.100	10076435	F_ise	16984-48-8	12/22/06

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612082
Client Project #: PNM
Date Sampled: Dec 7, 2006
Dec 26, 2006; Invoice: 30480

Quality Report

Quality Control Batch: 10076016 **Analyst:** LCC

Blank	**Result**	**Units**
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**
Total Alkalinity CaCO3	95.9	mg/L	100	95.95	67.63-131.71

Quality Control Batch: 10076435 **Analyst:** PCW

Blank	**Result**	**Units**
Fluoride	0.0500U	mg/L

Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**
Fluoride	2.09	mg/L	2.00	104.43	48.70-142.42

Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**
Fluoride	2.10	mg/L	2.00	106.48	45.97-150.73	-0.0314

Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Fluoride	2.08	mg/L	2.00	105.53	45.97-150.73	-0.0314	0.91	21.49

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 612082
Client Project #: PNM
Date Sampled: Dec 7, 2006
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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Additional Comments
Fluoride method 340.2 was performed due to interference on the IC by EPA Method 300.0.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 12/14/06 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

Need results 12/19/06!

RUSH!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)		TOC	Gen Chemistry:	Alkalinity Bicarb | Carb	Fluoride	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
BCS-5/612082-01	12/7/06	1540	WW	30480									X	X														
BCS-6/612082-02	"	1545	"	30480									X	X														

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #:	612082	Total Number of Containers		PENSACOLA - STL-FL		Signature: Time: Francine Tenno 1700	Signature: Time:
PROJ. NAME:	PNM	Chain of Custody Seals		ESL - OR		Printed Name: Date: Francine Tenno 12/14/06	Printed Name: Date:
QC LEVEL:	STD. IV	Received Intact?		ATEL - AZ		Pinnacle Laboratories, Inc.	Company
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		ATEL - MARION		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT:	STANDARD RUSH!!	LAB NUMBER:		ATEL - MELMORE		Signature: Time:	Signature: Time: 10:47
				FCL	X	Printed Name: Date:	Printed Name: Date: 12/15/06
DUE DATE:	12/19	COMMENTS:		EHL		Company	Company
RUSH SURCHARGE:	—			GEL			
CLIENT DISCOUNT:	—			WCAS			
SPECIAL CERTIFICATION REQUIRED:	YES NO	1.8°C		WOHL			

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 400-17468-1

Job Description: 612082

For:
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Jacinta Tenorio

Marty Edwards
Project Manager I
medwards@stl-inc.com
12/19/2006

Project Manager: Marty Edwards

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. STL Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (#2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

Severn Trent Laboratories, Inc.
STL Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.stl-inc.com

ACCREDITED IN ACCORDANCE WITH nelac

SEVERN TRENT STL

Case Narrative for job: 400-J17468-1

Client: Pinnacle Laboratories
Date: 12/19/2006

Metals

Other Deficiency

OOCE: Sample concentration for the requested element(s) was above its calibration range. Analytical Batch ID: 39949
Prep batch 39637 soils.....need dilutions for K

Corrective Action: Sample was diluted to get the concentration for the requested element within the linear calibration range of the instrument. Analytical Batch ID: 40081

Affected Items

400-17468-A-1-A
Batch: 400-39949
Method: 400-6010B

400-17468-A-2-A
Batch: 400-39949
Method: 400-6010B

Semi-Volatile GC

Other Deficiency

In the sample sequence, the first and and closing CCV analyte recoveries were high outside QC limits and the sample results are non-detect.

Affected Items

400-17468-A-1-B
Batch: 400-39886
Method: 400-8082

400-17468-A-1-B
Batch: 400-39886
Method: 400-8082

400-17468-A-2-B
Batch: 400-39886
Method: 400-8082

400-17468-A-2-B
Batch: 400-39886
Method: 400-8082

SEVERN TRENT STL

METHOD SUMMARY

Client: Pinnacle Laboratories Job Number: 400-17468-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	STL SAV	SW846 8015B	
Deionized Water Leaching Procedure (Routine)	STL SAV		ASTM NONE
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	STL PEN	SW846 8082	
Ultrasonic Extraction	STL PEN		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL PEN	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL PEN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL PEN	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL PEN		SW846 7471A
Conductivity, Specific Conductance	STL PEN	MCAWW 120.1	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Sulfate (Turbidimetric)	STL PEN	SW846 9038	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Soil and Waste pH	STL PEN	SW846 9045C	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples	STL PEN	SW846 9071B	
n-Hexane Extractable Material (HEM) for Sludge,	STL PEN		SW846 9071B
Chloride (Colormetric, Automated Ferricyanide)	STL PEN	SW846 9251	
Deionized Water Leaching Procedure (Routine)	STL PEN		ASTM NONE
Percent Moisture	STL PEN	EPA PercentMoisture	

LAB REFERENCES:

STL PEN = STL Pensacola
STL SAV = STL Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

METHOD / ANALYST SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method	Analyst	Analyst ID
SW846 8015B	Hall, Elizabeth	EH
SW846 8082	Ayers, Kim	KA
SW846 6010B	St. Pere, Gary	GS
SW846 7471A	Cortez, Maria	mc
MCAWW 120.1	Taber, Sharon	ST
SW846 9038	Hooe, Jennifer	JH
SW846 9045C	Hooe, Jennifer	JH
SW846 9071B	Edwards, Mandi	ae
SW846 9251	Hooe, Jennifer	JH
EPA PercentMoisture	Nelson, Darlene	DN

SEVERN TRENT STL

SAMPLE SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-17468-1	BCS-5/ 612082-01	Solid	12/07/2006 1540	12/09/2006 1027
400-17468-2	BCS-6/ 612082-02	Solid	12/07/2006 1545	12/09/2006 1027

SEVERN TRENT STL

SAMPLE RESULTS

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: **BCS-5/ 612082-01**

Lab Sample ID: 400-17468-1
Client Matrix: Solid
% Moisture: 21.4
Date Sampled: 12/07/2006 1540
Date Received: 12/09/2006 1027

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1936
Date Prepared: N/A
Date Leached: 12/13/2006 1811

Analysis Batch: 680-62527
Leachate Batch: 680-62528

Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G36.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<6.4		6.4
Propylene glycol		<6.4		6.4

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: **BCS-6/ 612082-02**

Lab Sample ID: 400-17468-2
Client Matrix: Solid
% Moisture: 14.9
Date Sampled: 12/07/2006 1545
Date Received: 12/09/2006 1027

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) -Soluble

Method: 8015B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 12/13/2006 1947
Date Prepared: N/A
Date Leached: 12/13/2006 1811
Analysis Batch: 680-62527
Leachate Batch: 680-62528
Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G37.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Ethylene glycol		<5.4		5.4
Propylene glycol		<5.4		5.4

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: **BCS-5/ 612082-01**

Lab Sample ID: 400-17468-1
Client Matrix: Solid
% Moisture: 21.4
Date Sampled: 12/07/2006 1540
Date Received: 12/09/2006 1027

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 12/13/2006 2129
Date Prepared: 12/12/2006 0918
Analysis Batch: 400-39886
Prep Batch: 400-39694
Instrument ID: GC/ECD/ECD
Lab File ID: 1801018.D
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<21		21
Arochlor 1221		<21		21
Arochlor 1232		<21		21
Arochlor 1242		<21		21
Arochlor 1248		<21		21
Arochlor 1254		<21		21
Arochlor 1260		<21		21

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	65	48 - 139
Tetrachloro-m-xylene	82	30 - 151

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: **BCS-6/ 612082-02**

Lab Sample ID: 400-17468-2
Client Matrix: Solid
% Moisture: 14.9
Date Sampled: 12/07/2006 1545
Date Received: 12/09/2006 1027

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 12/13/2006 2146
Date Prepared: 12/12/2006 0918
Analysis Batch: 400-39886
Prep Batch: 400-39694
Instrument ID: GC/ECD/ECD
Lab File ID: 1901019.D
Initial Weight/Volume: 30.24 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Arochlor 1016		<20		20
Arochlor 1221		<20		20
Arochlor 1232		<20		20
Arochlor 1242		<20		20
Arochlor 1248		<20		20
Arochlor 1254		<20		20
Arochlor 1260		<20		20

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	48 - 139
Tetrachloro-m-xylene	50	30 - 151

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: BCS-5/ 612082-01

Lab Sample ID: 400-17468-1
Client Matrix: Solid
% Moisture: 21.4
Date Sampled: 12/07/2006 1540
Date Received: 12/09/2006 1027

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0136
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-39949
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.36 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		6.7		0.47
Barium		310		0.94
Cadmium		0.60		0.47
Calcium		43000		47
Chromium		17		0.47
Lead		13		0.47
Magnesium		9000		47
Selenium		<0.94		0.94
Silver		<0.47		0.47
Sodium		380		94

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 12/16/2006 1756
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-40081
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.36 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		7700		940

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/15/2006 1431
Date Prepared: 12/14/2006 1010
Analysis Batch: 400-40020
Prep Batch: 400-39903
Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6482 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.0098		0.0098

SEVERN TRENT STL

Analytical Data

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Client Sample ID: BCS-6/ 612082-02

Lab Sample ID: 400-17468-2
Client Matrix: Solid
% Moisture: 14.9
Date Sampled: 12/07/2006 1545
Date Received: 12/09/2006 1027

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/15/2006 0141
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-39949
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.54 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		5.7		0.38
Barium		220		0.76
Cadmium		0.38		0.38
Calcium		24000		38
Chromium		13		0.38
Lead		9.6		0.38
Magnesium		5300		38
Selenium		<0.76		0.76
Silver		<0.38		0.38
Sodium		320		76

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2006 1801
Date Prepared: 12/11/2006 1025
Analysis Batch: 400-40081
Prep Batch: 400-39637
Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.54 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Potassium		4100		380

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/15/2006 1433
Date Prepared: 12/14/2006 1010
Analysis Batch: 400-40020
Prep Batch: 400-39903
Instrument ID: PE FLOW
Lab File ID: N/A
Initial Weight/Volume: .6114 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.012		0.0096

General Chemistry

Client Sample ID: BCS-5/ 612082-01

Lab Sample ID: 400-17468-1
Client Matrix: Solid

Date Sampled: 12/07/2006 1540
Date Received: 12/09/2006 1027

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	<100		mg/Kg	100	1.0	9038
	Anly Batch: 400-40041	Date Analyzed	12/14/2006 1506		DryWt Corrected: N	
SGT-HEM (Oil & Grease)	<100		mg/Kg	100	1.0	9071B
	Anly Batch: 400-39999	Date Analyzed	12/15/2006 0930		DryWt Corrected: Y	
	Prep Batch: 400-39778	Date Prepared:	12/13/2006 0920			
Chloride	<40		mg/Kg	40	1.0	9251
	Anly Batch: 400-40035	Date Analyzed	12/14/2006 1525		DryWt Corrected: N	
Percent Solids	79		Percent	0.10	1.0	PercentMoisture
	Anly Batch: 400-39632	Date Analyzed	12/09/2006 0000			

Analyte	Result	Qual	Units	Dil	Method
pH-S	8.85		SU	1.0	9045C
	Anly Batch: 400-40146	Date Analyzed	12/14/2006 1825	DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	70		umhos/cm	1.0	1.0	120.1
	Anly Batch: 400-40141	Date Analyzed	12/18/2006 1440		DryWt Corrected: N	

General Chemistry

Client Sample ID: **BCS-6/ 612082-02**

Lab Sample ID: 400-17468-2 Date Sampled: 12/07/2006 1545
Client Matrix: *Solid* *Date Received:* *12/09/2006 1027*

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	140		mg/Kg	100	1.0	9038
	Anly Batch: 400-40041	Date Analyzed	12/14/2006 1506		DryWt Corrected: N	
SGT-HEM (Oil & Grease)	<93		mg/Kg	93	1.0	9071B
	Anly Batch: 400-39999	Date Analyzed	12/15/2006 0930		DryWt Corrected: Y	
	Prep Batch: 400-39778	Date Prepared:	12/13/2006 0920			
Chloride	<40		mg/Kg	40	1.0	9251
	Anly Batch: 400-40035	Date Analyzed	12/14/2006 1525		DryWt Corrected: N	
Percent Solids	85		Percent	0.10	1.0	PercentMoisture
	Anly Batch: 400-39632	Date Analyzed	12/09/2006 0000			

Analyte	Result	Qual	Units	Dil	Method
pH-S	9.59		SU	1.0	9045C
	Anly Batch: 400-40146	Date Analyzed	12/14/2006 1825	DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance-S	140		umhos/cm	1.0	1.0	120.1
	Anly Batch: 400-40141	Date Analyzed	12/18/2006 1440		DryWt Corrected: N	

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Client: Pinnacle Laboratories

Job Number: 400-17468-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:680-62527					
LCS 680-62527/7	Lab Control Spike	S	Solid	8015B	
MB 680-62527/8	Method Blank	S	Solid	8015B	
400-17468-1	BCS-5/ 612082-01	S	Solid	8015B	
400-17468-2	BCS-6/ 612082-02	S	Solid	8015B	
Prep Batch: 680-62528					
400-17468-1	BCS-5/ 612082-01	S	Solid	NONE	
400-17468-2	BCS-6/ 612082-02	S	Solid	NONE	

Report Basis
S = Soluble

GC Semi VOA					
Prep Batch: 400-39694					
LCS 400-39694/6-AA	Lab Control Spike	T	Solid	3550B	
MB 400-39694/7-AA	Method Blank	T	Solid	3550B	
400-17468-1	BCS-5/ 612082-01	T	Solid	3550B	
400-17468-2	BCS-6/ 612082-02	T	Solid	3550B	
400-17468-2MS	Matrix Spike	T	Solid	3550B	
400-17468-2MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:400-39886					
LCS 400-39694/6-AA	Lab Control Spike	T	Solid	8082	400-39694
MB 400-39694/7-AA	Method Blank	T	Solid	8082	400-39694
400-17468-1	BCS-5/ 612082-01	T	Solid	8082	400-39694
400-17468-2	BCS-6/ 612082-02	T	Solid	8082	400-39694
400-17468-2MS	Matrix Spike	T	Solid	8082	400-39694
400-17468-2MSD	Matrix Spike Duplicate	T	Solid	8082	400-39694

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-17468-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-39637					
LCS 400-39637/21-AA	Lab Control Spike	T	Solid	3050B	
MB 400-39637/20-AA	Method Blank	T	Solid	3050B	
400-17413-A-1-B MS	Matrix Spike	T	Solid	3050B	
400-17413-A-1-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
400-17468-1	BCS-5/ 612082-01	T	Solid	3050B	
400-17468-2	BCS-6/ 612082-02	T	Solid	3050B	
Prep Batch: 400-39903					
LCS 400-39903/24-AA	Lab Control Spike	T	Solid	7471A	
MB 400-39903/23-AA	Method Blank	T	Solid	7471A	
400-17431-A-24-C MS	Matrix Spike	T	Solid	7471A	
400-17431-A-24-D MSD	Matrix Spike Duplicate	T	Solid	7471A	
400-17468-1	BCS-5/ 612082-01	T	Solid	7471A	
400-17468-2	BCS-6/ 612082-02	T	Solid	7471A	
Analysis Batch:400-39949					
LCS 400-39637/21-AA	Lab Control Spike	T	Solid	6010B	400-39637
MB 400-39637/20-AA	Method Blank	T	Solid	6010B	400-39637
400-17413-A-1-B MS	Matrix Spike	T	Solid	6010B	400-39637
400-17413-A-1-C MSD	Matrix Spike Duplicate	T	Solid	6010B	400-39637
400-17468-1	BCS-5/ 612082-01	T	Solid	6010B	400-39637
400-17468-2	BCS-6/ 612082-02	T	Solid	6010B	400-39637
Analysis Batch:400-40020					
LCS 400-39903/24-AA	Lab Control Spike	T	Solid	7471A	400-39903
MB 400-39903/23-AA	Method Blank	T	Solid	7471A	400-39903
400-17431-A-24-C MS	Matrix Spike	T	Solid	7471A	400-39903
400-17431-A-24-D MSD	Matrix Spike Duplicate	T	Solid	7471A	400-39903
400-17468-1	BCS-5/ 612082-01	T	Solid	7471A	400-39903
400-17468-2	BCS-6/ 612082-02	T	Solid	7471A	400-39903
Analysis Batch:400-40081					
400-17468-1	BCS-5/ 612082-01	T	Solid	6010B	400-39637
400-17468-2	BCS-6/ 612082-02	T	Solid	6010B	400-39637

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-17468-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-39632					
400-17468-1	BCS-5/ 612082-01	T	Solid	PercentMoisture	
400-17468-2	BCS-6/ 612082-02	T	Solid	PercentMoisture	
Prep Batch: 400-39778					
LCS 400-39778/17-AA	Lab Control Spike	T	Solid	9071B	
MB 400-39778/18-AA	Method Blank	T	Solid	9071B	
400-17431-A-1-B MS	Matrix Spike	T	Solid	9071B	
400-17431-A-1-C MSD	Matrix Spike Duplicate	T	Solid	9071B	
400-17468-1	BCS-5/ 612082-01	T	Solid	9071B	
400-17468-2	BCS-6/ 612082-02	T	Solid	9071B	
Analysis Batch:400-39999					
LCS 400-39778/17-AA	Lab Control Spike	T	Solid	9071B	400-39778
MB 400-39778/18-AA	Method Blank	T	Solid	9071B	400-39778
400-17431-A-1-B MS	Matrix Spike	T	Solid	9071B	400-39778
400-17431-A-1-C MSD	Matrix Spike Duplicate	T	Solid	9071B	400-39778
400-17468-1	BCS-5/ 612082-01	T	Solid	9071B	400-39778
400-17468-2	BCS-6/ 612082-02	T	Solid	9071B	400-39778
Prep Batch: 400-40033					
MB 400-40033/1-AA	Method Blank	T	Solid	NONE	
400-17411-A-4-E MS	Matrix Spike	T	Solid	NONE	
400-17411-A-4-E MSD	Matrix Spike Duplicate	T	Solid	NONE	
400-17468-1	BCS-5/ 612082-01	T	Solid	NONE	
400-17468-2	BCS-6/ 612082-02	T	Solid	NONE	
Analysis Batch:400-40035					
LCS 400-40035/2	Lab Control Spike	T	Solid	9251	
MB 400-40033/1-AA	Method Blank	T	Solid	9251	
400-17411-A-4-E MS	Matrix Spike	T	Solid	9251	
400-17411-A-4-E MSD	Matrix Spike Duplicate	T	Solid	9251	
400-17468-1	BCS-5/ 612082-01	T	Solid	9251	
400-17468-2	BCS-6/ 612082-02	T	Solid	9251	
Prep Batch: 400-40040					
MB 400-40040/1-AA	Method Blank	T	Solid	NONE	
400-17411-A-4-F MS	Matrix Spike	T	Solid	NONE	
400-17411-A-4-F MSD	Matrix Spike Duplicate	T	Solid	NONE	
400-17468-1	BCS-5/ 612082-01	T	Solid	NONE	
400-17468-2	BCS-6/ 612082-02	T	Solid	NONE	

Client: Pinnacle Laboratories

Job Number: 400-17468-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-40041					
LCS 400-40041/2	Lab Control Spike	T	Solid	9038	
MB 400-40040/1-AA	Method Blank	T	Solid	9038	
400-17411-A-4-F MS	Matrix Spike	T	Solid	9038	
400-17411-A-4-F MSD	Matrix Spike Duplicate	T	Solid	9038	
400-17468-1	BCS-5/ 612082-01	T	Solid	9038	
400-17468-2	BCS-6/ 612082-02	T	Solid	9038	
Prep Batch: 400-40140					
400-17468-1	BCS-5/ 612082-01	S	Solid	NONE	
400-17468-2	BCS-6/ 612082-02	S	Solid	NONE	
Analysis Batch:400-40141					
LCS 400-40141/2	Lab Control Spike	S	Solid	120.1	
MB 400-40141/1	Method Blank	S	Solid	120.1	
400-17468-1	BCS-5/ 612082-01	S	Solid	120.1	
400-17468-2	BCS-6/ 612082-02	S	Solid	120.1	
400-17661-B-1 DU	Duplicate	S	Solid	120.1	
Prep Batch: 400-40145					
400-17468-1	BCS-5/ 612082-01	S	Solid	NONE	
400-17468-1DU	Duplicate	S	Solid	NONE	
400-17468-2	BCS-6/ 612082-02	S	Solid	NONE	
Analysis Batch:400-40146					
400-17468-1	BCS-5/ 612082-01	S	Solid	9045C	
400-17468-1DU	Duplicate	S	Solid	9045C	
400-17468-2	BCS-6/ 612082-02	S	Solid	9045C	

Report Basis
S = Soluble
T = Total

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 680-62527

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 680-62527/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 1145
Date Prepared: N/A

Analysis Batch: 680-62527
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G7.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Ethylene glycol	<5.0		5.0
Propylene glycol	<5.0		5.0

Lab Control Spike - Batch: 680-62527

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-62527/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 1057
Date Prepared: N/A

Analysis Batch: 680-62527
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID2
Lab File ID: DE13G4.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene glycol	20.0	21.1	106	50 - 150	
Propylene glycol	20.0	22.0	110	50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-39694

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 400-39694/7-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 2018
Date Prepared: 12/12/2006 0918

Analysis Batch: 400-39886
Prep Batch: 400-39694
Units: ug/Kg

Instrument ID: GC/ECD/ECD
Lab File ID: 1401014.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Arochlor 1016	<17		17
Arochlor 1221	<17		17
Arochlor 1232	<17		17
Arochlor 1242	<17		17
Arochlor 1248	<17		17
Arochlor 1254	<17		17
Arochlor 1260	<17		17

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	48 - 139
Tetrachloro-m-xylene	102	30 - 151

Lab Control Spike - Batch: 400-39694

Method: 8082
Preparation: 3550B

Lab Sample ID: LCS 400-39694/6-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2006 2035
Date Prepared: 12/12/2006 0918

Analysis Batch: 400-39886
Prep Batch: 400-39694
Units: ug/Kg

Instrument ID: GC/ECD/ECD
Lab File ID: 1501015.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arochlor 1016	333	447	134	17 - 178	
Arochlor 1260	333	450	135	32 - 175	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	48 - 139
Tetrachloro-m-xylene	101	30 - 151

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39694

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	400-17468-2	Analysis Batch: 400-39886	Instrument ID: GC/ECD/ECD
Client Matrix:	Solid	Prep Batch: 400-39694	Lab File ID: 1601016.D
Dilution:	1.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	12/13/2006 2053		Final Weight/Volume: 10 mL
Date Prepared:	12/12/2006 0918		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	400-17468-2	Analysis Batch: 400-39886	Instrument ID: GC/ECD/ECD
Client Matrix:	Solid	Prep Batch: 400-39694	Lab File ID: 1701017.D
Dilution:	1.0		Initial Weight/Volume: 30.19 g
Date Analyzed:	12/13/2006 2111		Final Weight/Volume: 10 mL
Date Prepared:	12/12/2006 0918		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arochlor 1016	120	111	15 - 147	10	42		
Arochlor 1260	112	115	27 - 147	2	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	81	83	48 - 139
Tetrachloro-m-xylene	92	90	30 - 151

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-39637

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 400-39637/20-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0017
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-39949
Prep Batch: 400-39637
Units: mg/Kg

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Arsenic	<0.50		0.50
Barium	<1.0		1.0
Cadmium	<0.50		0.50
Calcium	<50		50
Chromium	<0.50		0.50
Lead	<0.50		0.50
Magnesium	<50		50
Potassium	<100		100
Selenium	<1.0		1.0
Silver	<0.50		0.50
Sodium	<100		100

Lab Control Spike - Batch: 400-39637

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 400-39637/21-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0022
Date Prepared: 12/11/2006 1025

Analysis Batch: 400-39949
Prep Batch: 400-39637
Units: mg/Kg

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	252	225	89	80 - 120	
Barium	463	438	95	82 - 118	
Cadmium	115	105	92	82 - 119	
Calcium	3570	3380	95	79 - 121	
Chromium	71.4	68.3	96	79 - 121	
Lead	163	151	93	81 - 119	
Magnesium	2940	2730	93	77 - 123	
Potassium	2360	2220	94	71 - 129	
Selenium	170	135	80	76 - 124	
Silver	121	119	99	61 - 139	
Sodium	563	538	96	56 - 144	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39637

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	400-17413-A-1-B MS	Analysis Batch: 400-39949	Instrument ID: ICP-AES
Client Matrix:	Solid	Prep Batch: 400-39637	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.41 g
Date Analyzed:	12/15/2006 0037		Final Weight/Volume: 100 mL
Date Prepared:	12/11/2006 1025		

MSD Lab Sample ID:	400-17413-A-1-C MSD	Analysis Batch: 400-39949	Instrument ID: ICP-AES
Client Matrix:	Solid	Prep Batch: 400-39637	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.47 g
Date Analyzed:	12/15/2006 0041		Final Weight/Volume: 100 mL
Date Prepared:	12/11/2006 1025		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	99	98	75 - 125	5	20		
Barium	107	105	75 - 125	5	20		
Cadmium	107	105	75 - 125	6	20		
Calcium	107	105	75 - 125	6	20		
Chromium	108	106	75 - 125	6	20		
Lead	106	104	75 - 125	6	20		
Magnesium	105	103	75 - 125	5	20		
Potassium	100	100	75 - 125	4	20		
Selenium	86	84	75 - 125	6	20		
Silver	107	105	75 - 125	6	20		
Sodium	98	97	75 - 125	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-39903

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 400-39903/23-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 1345
Date Prepared: 12/14/2006 1010

Analysis Batch: 400-40020
Prep Batch: 400-39903
Units: mg/Kg

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .6000 g
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Mercury	<0.0083		0.0083

Lab Control Spike - Batch: 400-39903

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 400-39903/24-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 12/15/2006 1346
Date Prepared: 12/14/2006 1010

Analysis Batch: 400-40020
Prep Batch: 400-39903
Units: mg/Kg

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .2032 g
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.74	1.55	89	68 - 132	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39903

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 400-17431-A-24-C MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 1407
Date Prepared: 12/14/2006 1010

Analysis Batch: 400-40020
Prep Batch: 400-39903

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .6198 g
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 400-17431-A-24-D MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 1409
Date Prepared: 12/14/2006 1010

Analysis Batch: 400-40020
Prep Batch: 400-39903

Instrument ID: PE FLOW INJECTION
Lab File ID: N/A
Initial Weight/Volume: .6244 g
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	106	106	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-40141/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Specific Conductance-S	<1.0		1.0

Lab Control Spike - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-40141/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance-S	147	146	100	98 - 102	

Duplicate - Batch: 400-40141

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-17661-B-1 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/18/2006 1440
Date Prepared: N/A

Analysis Batch: 400-40141
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance-S	737	740	0	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-40041

Method: 9038
Preparation: N/A

Lab Sample ID: MB 400-40040/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Sulfate	<100		100

Lab Control Spike - Batch: 400-40041

Method: 9038
Preparation: N/A

Lab Sample ID: LCS 400-40041/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A

Analysis Batch: 400-40041
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.7	103	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-40041

Method: 9038
Preparation: N/A

MS Lab Sample ID: 400-17411-A-4-F MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-17411-A-4-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1506
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40041
Prep Batch: N/A

Leachate Batch: 400-40040

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	120	117	59 - 146	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Duplicate - Batch: 400-40146

Method: 9045C
Preparation: N/A

Lab Sample ID: 400-17468-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1825
Date Prepared: N/A
Date Leached: 12/14/2006 1800

Analysis Batch: 400-40146
Prep Batch: N/A
Units: SU

Leachate Batch: 400-40145

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-S	8.85	8.86			

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-39778

Method: 9071B
Preparation: 9071B

Lab Sample ID: MB 400-39778/18-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0930
Date Prepared: 12/13/2006 0920

Analysis Batch: 400-39999
Prep Batch: 400-39778
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
SGT-HEM (Oil & Grease)	<80		80

Lab Control Spike - Batch: 400-39778

Method: 9071B
Preparation: 9071B

Lab Sample ID: LCS 400-39778/17-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0930
Date Prepared: 12/13/2006 0920

Analysis Batch: 400-39999
Prep Batch: 400-39778
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SGT-HEM (Oil & Grease)	1700	1170	69	69 - 142	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-39778

Method: 9071B
Preparation: 9071B

MS Lab Sample ID: 400-17431-A-1-B MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0930
Date Prepared: 12/13/2006 0920

Analysis Batch: 400-39999
Prep Batch: 400-39778

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.18 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-17431-A-1-C MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/15/2006 0930
Date Prepared: 12/13/2006 0920

Analysis Batch: 400-39999
Prep Batch: 400-39778

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.09 g
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
SGT-HEM (Oil & Grease)	54	66	19 - 165	22	59		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Method Blank - Batch: 400-40035

Method: 9251
Preparation: N/A

Lab Sample ID: MB 400-40033/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1321
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Chloride	<40		40

Lab Control Spike - Batch: 400-40035

Method: 9251
Preparation: N/A

Lab Sample ID: LCS 400-40035/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1321
Date Prepared: N/A

Analysis Batch: 400-40035
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	53.1	106	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-40035

Method: 9251
Preparation: N/A

MS Lab Sample ID: 400-17411-A-4-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1525
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-17411-A-4-E MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2006 1525
Date Prepared: N/A
Date Leached: 12/13/2006 1500

Analysis Batch: 400-40035
Prep Batch: N/A

Leachate Batch: 400-40033

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	105	105	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Pinnacle Laboratories, Inc. 400-17464 **Interlab Chain of Custody** Date: 12/8/06 Page: 1 of 1

SEVERN TRENT STL

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

NEED Results 12/15/06!

RUSH!

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Method 1664 TRPH	TOC	Gen Chemistry:		NOS 8015 Ethylene Propylene Glycol	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides PCB 608/8081/8082	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
BCS-5/612082-01	12/7/06	1540	NAQ		X					X				X				X										
BCS-6/612082-02	"	1545	"		X					X				X				X										

Page 32 of 33

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
PROJECT #: 612082		Total Number of Containers		PENSACOLA - STL-FL	X	Signature: Time: 17:00	Signature: Time:
PROJ. NAME: PNM		Chain of Custody Seals		ESL - OR		Printed Name: Date: 12/8/06	Printed Name: Date:
QC LEVEL: STD IV		Received Intact?		ATEL - AZ		Pinnacle Laboratories, Inc.	Company
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold		ATEL - MARION		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: STANDARD RUSH!!		LAB NUMBER:		ATEL - MELMORE		Signature: Time: 18:27	Signature: Time:
DUE DATE: 12/15	COMMENTS: 3.2°C			FCL		Printed Name: Date: 12/09/06	Printed Name: Date:
RUSH SURCHARGE: 25%				EHL		Company	Company
CLIENT DISCOUNT: —				GEL			
SPECIAL CERTIFICATION REQUIRED: YES NO				WCAS			
				WOHL			

SEVERN TRENT STL

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pinnacle Laboratories

Job Number: 400-17468-1

Login Number: 17468

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.2°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Split for subout.

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 12/8/06 PAGE: 1 OF 1

PLI Accession #: 612082

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John Ferraiuolo

COMPANY: Public Service CO. NM
ADDRESS: Alvarado Sq MS 2104
Alb, NM 87158
PHONE: 505 241 4871
FAX: 2376

BILL TO: Same
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
BCS-5	12/7/06	340	Soil	01			X							X							X			X			1/2
BCS-6	"	345	"	02			X							X							X			X			

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	BCS
P.O. NO.:	
SHIPPED VIA:	

SAMPLE RECEIPT	
NO CONTAINERS	4
CUSTODY SEALS	Y/N/NA
RECEIVED INTACT	Y
BLUE ICE/ICE	4.4°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☒ WEEK (NORMAL) ☐
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:
12/8/06 per John Ferraiuolo Change 8260 TCL to 8260 Full + PBMS. *

RUSH!

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 801	Signature: Time:
Printed Name: John Ferraiuolo Date: 12/8/06	Printed Name: Date:
Company: PNM	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 0801
Printed Name: Date:	Printed Name: Greg M. Sertao Date: 12/8/06
Company:	Pinnacle Laboratories Inc.

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **612059A**
February 16, 2007

PUBLIC SERVICE COMPANY
ALVARADO SQUARE-MS2104
ALBUQUERQUE, NM 87158

Project Name BCS
Project Number (NONE)

Attention: JOHN FERRAIUOLO

On 12/07/2006 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Pinnacle Sample ID 612059-04 was relogged as Sample ID 702045. The results were reanalyzed by Method 8015B to determine hydrocarbon ranges.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE ID	: 612059A
PROJECT #	: (NONE)	DATE RECEIVED	: 12/07/2006
PROJECT NAME	: BCS	REPORT DATE	: 02/16/2007

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
612059A 04	BCS-4	NON-AQ	12/07/2007

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE I.D.	: 612059A
PROJECT #	: (NONE)	ANALYST	: DRK
PROJECT NAME	: BCS		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	BCS-4	NON-AQ	12/07/2007	02/13/2007	02/14/2007	5

PARAMETER	DET. LIMIT	UNITS	BCS-4
FUEL HYDROCARBONS, C10-C22	**10**	**MG/KG**	**2100**
FUEL HYDROCARBONS, C22-C36	**10**	**MG/KG**	**33000**
CALCULATED SUM:			
SURROGATE:			
O-TERPHENYL (%)			97
SURROGATE LIMITS	(70-130)		

CHEMIST NOTES:

FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 50

612059A relogged as 702045.

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 612059A
BLANK I.D.	: 021307F	DATE EXTRACTED	: 02/13/2007
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 02/14/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BCS	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10
SURROGATE:		
O-TERPHENYL (%)		118
SURROGATE LIMITS (70-130)		

CHEMIST NOTES:

FUEL HYDROCARBONS, C6-C10	MG/KG	< 10

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 612059A
BLANK I.D.	: 021307F	DATE EXTRACTED	: 02/13/2007
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 02/15/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BCS	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10
SURROGATE:		
O-TERPHENYL (%)		110
SURROGATE LIMITS (70-130)		

CHEMIST NOTES:

FUEL HYDROCARBONS, C6-C10	MG/KG	< 10

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 612059A
BATCH ID	: 021307F	DATE EXTRACTED	: 02/13/2007
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 02/15/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BCS	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	219	110	228	114	4	(75-125)	20
HYDROCARBON RANGE		C10-C32							

HYDROCARBONS QUANTITATED USING DIESEL FUEL

CHEMIST NOTES:
N/A

$$\%\ \text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 612059A
SAMPLE ID	: 702111-04	DATE EXTRACTED	: 02/13/2007
CLIENT	: PUBLIC SERVICE COMPANY	DATE ANALYZED	: 02/15/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BCS	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	214	107	220	110	3	(70-130)	20
HYDROCARBON RANGE		C10-C32							
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

702045 [initials] 1/07

DATE: 12/7/06 PAGE: 1 OF 1

SHADED AREAS ARE FOR LAB USE ONLY

PROJECT MANAGER: John Ferrainolo
COMPANY: Public Service Co. of NM
ADDRESS: Alvarado Sq. MS2104
Alb. NM 87158
PHONE: 505 241 4871
FAX: 2376
BILL TO: Same
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	MOD 8015 Ethylene Glycol / Propylene Glycol	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8082 PCBs	~~8260 (TCL) Volatile Organics~~ BTEX	8260 (Full) Volatile Organics ☒PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: 1664	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:			NUMBER OF CONTAINERS
BCS-1	12/7/06	925	Soil	01			X									X	X	X							X			X					2
BCS-2	↓	↓	↓	02			X									↓	↓	X							↓			↓					2
BCS-3	↓	↓	↓	03			X									↓	↓	X							↓			↓					2
BCS-4	↓	↓	↓	04			(X)									↓	↓	X							↓			↓					2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: BCS
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS: 8
CUSTODY SEALS: Y/N/(NA)
RECEIVED INTACT: Y
BLUE ICE/ICE: 1°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☒1 WEEK (NORMAL) ☐
*NOT AVAILABLE ON ALL ANALYSES
CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER
METHANOL PRESERVATION ☐ METALS ☐TOTAL ☐DISSOLVED

COMMENTS:
RUSH!
CHARACTERIZATION ONLY
12/8 per John Ferrainolo change 8260TCL to 8260 Full + PBMS [initials]

RELINQUISHED BY: 1
Signature: [signature] Time: 1012
Printed Name: John Ferrainolo Date: 12/7/06
Company: PNM
See Reverse side (Force Majeure)

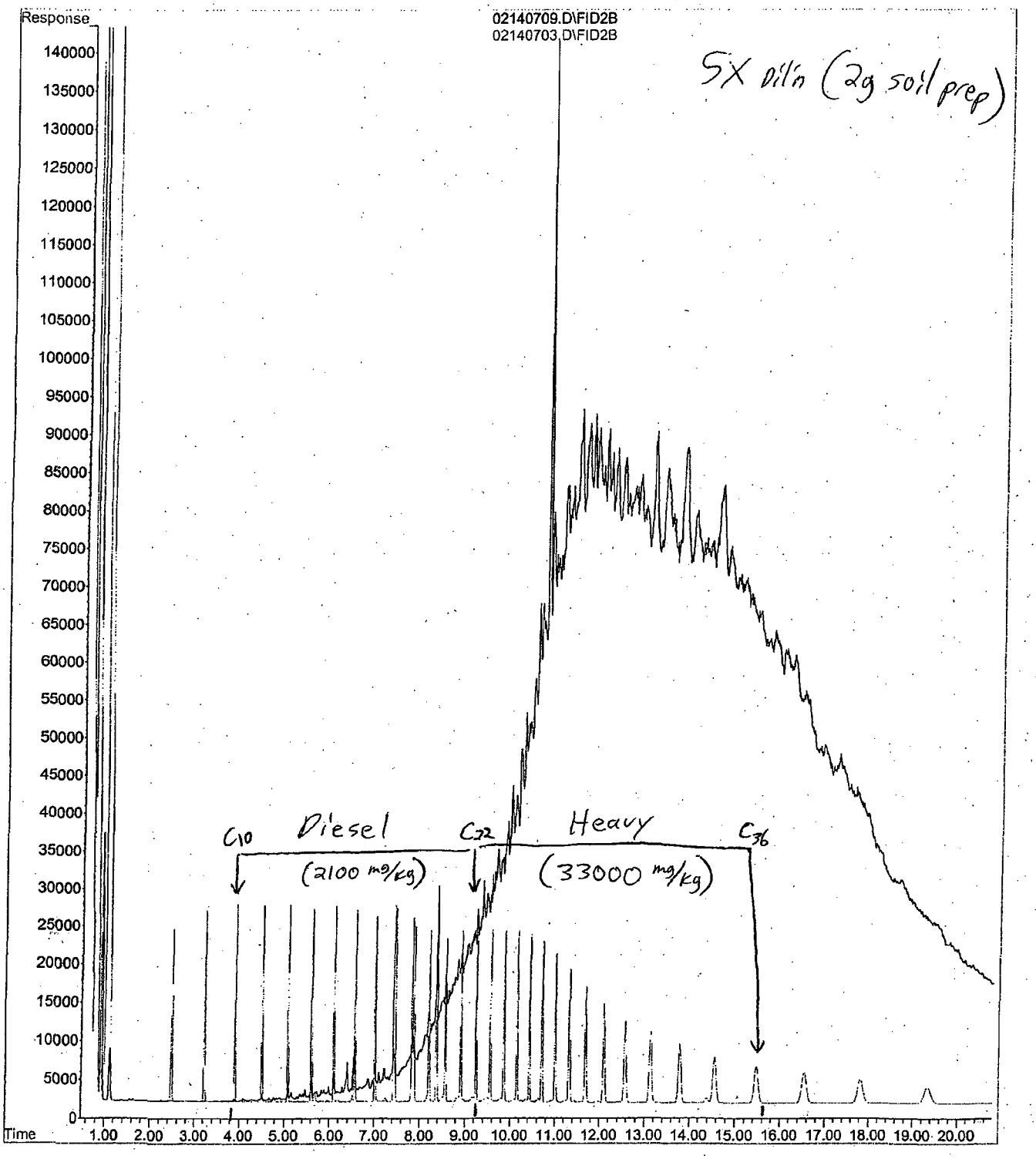
RECEIVED BY: 1
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2
Signature: Time:
Printed Name: Date:
Company:

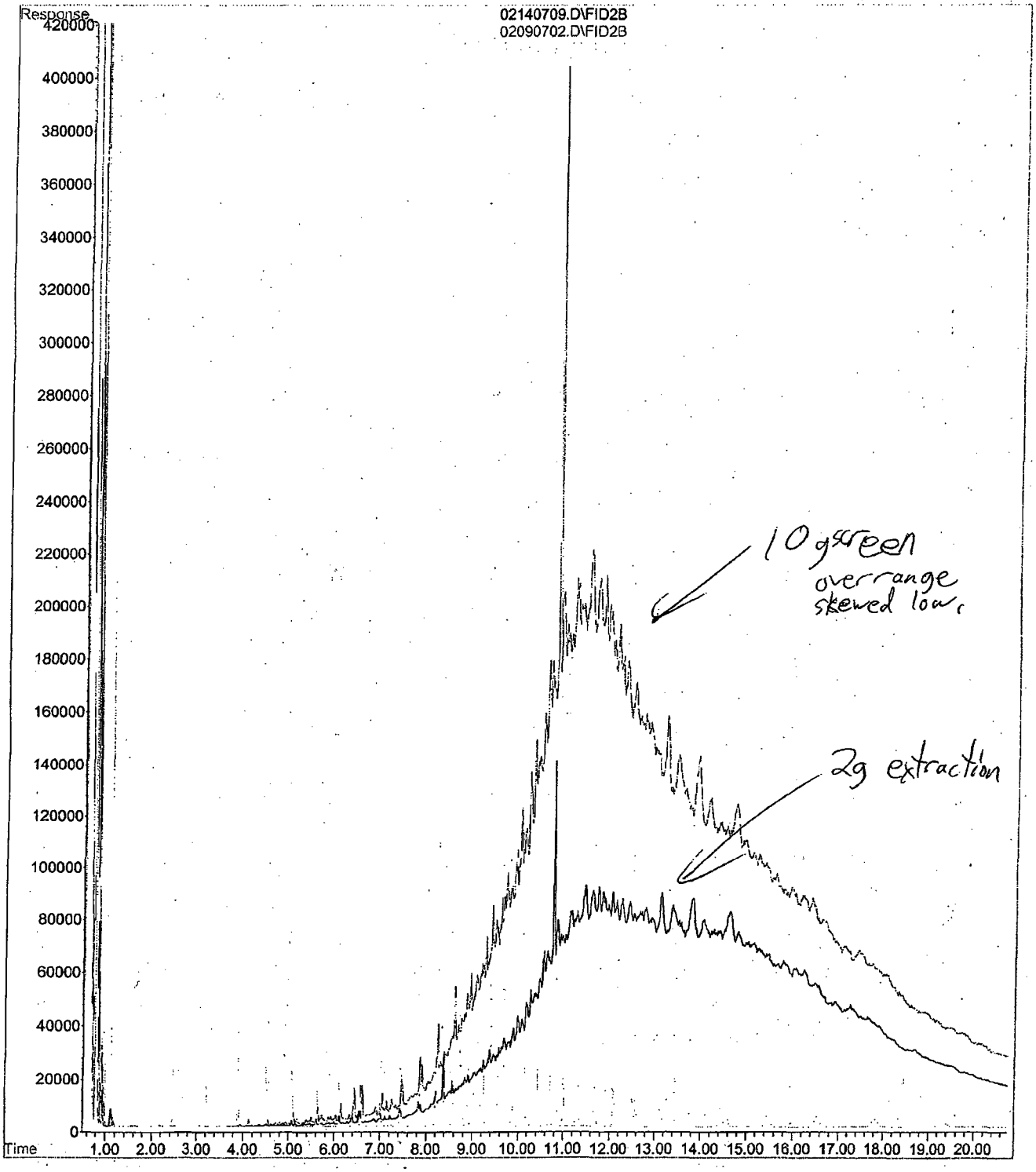
RECEIVED BY: (LAB) 2
Signature: [signature] Time: 1016
Printed Name: [signature] Date: 12/7/06
Pinnacle Laboratories Inc.

PLEASE FILL THIS FORM IN COMPLETELY.

File : C:\HPCHEM\2\DATA\021407F\02140709.D
Operator : DRK
Acquired : 14 Feb 2007 12:40 pm using AcqMethod NM122806.M
Instrument : FID-1
Sample Name: 702045-04 [5X] ≡ 612059-04
Misc Info : 2.0G/10ML
Vial Number: 94



File : C:\HPCHEM\2\DATA\021407F\02140709.D
Operator : DRK
Acquired : 14 Feb 2007 12:40 pm using AcqMethod NM122806.M
Instrument : FID-1
Sample Name: 702045-04 [5X]
Misc Info : 2.0G/10ML
Vial Number: 94



APPENDIX E

MATERIAL SAFETY DATA SHEETS

El Mar 2000 Natural Gas Engine Oil
Turbine Oils (32,46, 68, 100, 32D, 32S)

conoco MATERIAL SAFETY DATA SHEET

I. MATERIAL IDENTIFICATION

Name: El Mar® 2000 Engine Oils
Conoco Product Code: 7501/7508/7509/7510
Synonyms: Natural Gas Engine Oil
Manufacturer: Conoco Inc.
Address: P.O. Box 1267, Ponca City, OK 74603

CAS Registry No.: Mixture
Transportation Emergency No.:
(800) 424-9300 (Chemtrec)
Product Information No.:
(405) 767-6000

II. OSHA HAZARD DETERMINATION

Hazardous Ingredients: None.

Physical Effect Properties:
Product/Mixture: None.

III. PHYSICAL DATA

Appearance and Odor: Brown liquid; mild petroleum hydrocarbon odor.

Boiling Range (°F)	700-1100	Specific Gravity (H_2O=1)	0.88
Vapor Pressure (mmHg)	Nil	% Volatile (by volume)	Nil
Vapor Density (Air=1)	Not Applicable	Evaporation Rate (Ether=1)	Nil
Solubility in Water	Insoluble		

IV. REACTIVITY DATA

Stable: X Unstable:

Hazardous Decomposition Products: Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Conditions To Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 370° F (PMCC) Autoignition Temperature: 680° F

Handle and store in accordance with NFPA procedure for Class III B Combustible Liquids.

Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide.

Special Fire Fighting Procedures: Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

V. FIRE AND EXPLOSION HAZARD DATA (continued)

Unusual Fire and Explosion Hazards: Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

National Fire Protection Association (NFPA) Classification	HAZARD RATING
Health 0 Fire 1 Reactivity 0	Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

VI. TRANSPORTATION AND STORAGE

DOT HAZARD CLASS: Not Applicable

Precautions To Be Taken In Handling And Storing: Product is Class III B Combustible Liquid per NFPA Code No. 30-1984. Store and handle accordingly.

Shipping Paper Description: Not D.O.T. Regulated.

Placard: Not D.O.T. Regulated.

D.O.T. Label: Not Regulated.

OSHA Label: Not Regulated.

VII. HEALTH HAZARD INFORMATION

PEL Not Established TLV Not Established

Ceiling Value Not Established Du Pont AEL Not Established

Primary Route of Entry: Skin.

Signs and Symptoms of Exposure/Medical Conditions Aggravated By Exposure: Mouse skin painting studies have shown that highly solvent-refined petroleum distillates having a distillation end-point below 700° F, and which are similar to ingredients in this product, have not caused skin tumors. The product contains petroleum hydrocarbons which may cause irritation to eyes, skin, and lungs after prolonged or repeated exposure.

Is Product Listed as Carcinogen or Potential Carcinogen by: NTP? No IARC? No OSHA? No

CONOCO MATERIAL SAFETY DATA SHEET

I. MATERIAL IDENTIFICATION

Name: Turbine Oils (32, 46, 68, 100, 32D, 32S)
Conoco Product Code: 7319/7320/7321/7322/ 7324-38/7325
Synonyms: Petroleum Lubricating Oil
Chemical Family: Petroleum Hydrocarbon
Manufacturer: Conoco Inc.
Address: P.O. Box 1267, Ponca City, OK 74603

CAS Registry No.: Mixture
Transportation Emergency No.: (800) 424-9300 (Chemtrec)
Product Information No.: (405) 767-6000

II. OSHA HAZARD DETERMINATION

Hazardous Ingredients:
Health Effect Properties: None. Not applicable.

Physical Effect Properties:
Product/Mixture: None. Not applicable.

III. PHYSICAL DATA

Appearance and Odor: Light brown liquid; mild petroleum hydrocarbon odor.

Boiling Range (°F)	650-1060	Specific Gravity (H_2O=1)	0.86-0.87
Vapor Pressure (mmHg)	Nil	% Volatile (by volume)	Nil
Vapor Density (Air=1)	Not Applicable	Evaporation Rate (Ether=1)	Nil
Solubility in Water	Insoluble		

IV. REACTIVITY DATA Stable: X Unstable:

Hazardous Decomposition Products: Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Conditions To Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 285-380° F (PM) Autoignition Temperature: 650-680° F

Handle and store in accordance with NFPA procedure for Class III B Combustible Liquid.

Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide.

Special Fire Fighting Procedures: Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

Unusual Fire and Explosion Hazards: Products of combustion may contain carbon monoxide; carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

VIII. EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention.

Skin: Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation develops, consult a physician.

If exposed to hot material, immediately cool with cold water. Do not attempt to remove material but continue to cool exposed areas and seek medical assistance immediately.

Inhalation: Remove individual to fresh air. If breathing stops, administer artificial resuscitation.

Ingestion: If this material is swallowed, do not induce vomiting. If vomiting begins, lower victim's head in an effort to prevent vomitus from entering lungs. Seek medical attention. Never give anything by mouth to an unconscious person.

Note to Physician: Gastric lavage by qualified medical personnel may be considered, depending on quantity of material ingested.

IX. SPILL, LEAK AND DISPOSAL PROCEDURES

RCRA HAZARDOUS WASTE: Yes _____ No X

In Case Of Spill Or Leak: Contain spill immediately in smallest area possible. Recover as much of the product as possible by such methods as vacuuming, followed by soaking up residual fluids by use of absorbent materials. Remove contaminated items including solids and place in proper container for disposal. Avoid washing, draining or directing material to storm or sanitary sewers.

Waste Disposal Method: Recycle as much of the recoverable product as possible. Dispose of nonrecyclable material by such methods as controlled incineration, complying with federal, state and local regulations.

X. PRECAUTIONARY MEASURES

Respiratory Protection: None required except under unusual circumstances such as described in Section V.

Ventilation: Normal shop ventilation.

Protective Gloves: None required.

Eye Protection: None required.

Other Protective Equipment: Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.